



GOVERNMENT COLLEGE OF ENGINEERING AND CERAMIC TECHNOLOGY

Established 1941

Accredited by NAAC with Grade A
(2015)

73, Abinash Chandra Banerjee Lane

Kolkata-700010

West Bengal, India

E-mail: gcectwb@gmail.com

**3.7.1: Number of functional MoUs/linkages with institutions/
industries in India and abroad for internship, on-the-job
training, project work, student/ faculty exchange and
collaborative research during the last five years**

MoUs/Linkages with institutions/Collaborations



MEMORANDUM OF UNDERSTANDING

BETWEEN

DIGITAL RESONANCE PRIVATE LIMITED, KOLKATA

AND

GOVERNMENT COLLEGE OF ENGINEERING AND
CERAMIC TECHNOLOGY, KOLKATA


Digital Resonance Pvt. Ltd.
Director


Principal
Govt. College of Engineering
& Ceramic Technology
Salt Lake, West Bengal

MEMORANDUM OF UNDERSTANDING
BETWEEN
DIGITAL RESONANCE PRIVATE LIMITED, KOLKATA
AND
GOVERNMENT COLLEGE OF ENGINEERING AND CERAMIC
TECHNOLOGY

This Memorandum of Understanding (hereinafter referred to as 'MOU') is made on 10th MAY, 2022.

Between

Digital Resonance Private Limited, Kolkata is a Software company located at Mangaldeep, 3rd Floor, 114/1, Tarunsen Gupta Sarani Rd, Arabinda Sarani, Rajbari, Dum Dum, Kolkata, West Bengal, 700028, IN. (business is listed under software company category) of the **One Part**.

And

Government College of Engineering and Ceramic Technology, Kolkata, an educational and research institution of national importance is a Government Autonomous Engineering College under Govt. of West Bengal established in 1941 and having its office at 73 A.C Banerjee Lane, Kolkata, West Bengal-700010, India, hereinafter referred to as "GCECT", (which terms of expression shall, unless excluded by or repugnant to the context or the meaning thereof be deemed to include its successors and permitted assigns) as the **Other Part**.

(hereafter together referred to as 'Parties' and individually referred to as 'Party')

Digital Resonance Private Limited, Kolkata is one of product based company as well as provides software services.

WHEREAS GCECT is one of the premier institutes to provide meaningful technical education, to conduct original research of the highest standard and to provide leadership in technological innovation for the industrial growth of the country. GCECT imparts and undertakes cutting-edge research in various areas of science, engineering, design, management and humanities.

WHEREAS, this MoU is of a generic nature for Academic collaboration, Specific R&D projects, Training Programmes, Ph.D. guidance, Internship program, Faculty Development, Joint conference etc.

WHEREAS, it is considered desirable to promote co-operation between Digital Resonance Private Limited, Kolkata and GCECT in areas of mutual interest, both parties have reached an understanding with regard to the following:


 Digital Resonance Pvt. Ltd.
 Director


 President
 Govt. College of Engineering
 & Ceramic Technology
 Govt. of West Bengal

A. OBJECTIVES

- a) To foster collaboration, provide opportunity for global experience, and to facilitate advancement of knowledge on the basis of reciprocity, best effort, mutual benefit, and frequent interactions.
- b) To identify and pursue joint research & development projects, including those related to innovation and creativity, between Digital Resonance Private Limited, Kolkata and GCECT leading to publications, patents, copyrights etc.
- c) To Mentor Graduate/Post-Graduate/Research Scholars of GCECT for successful completion of their internship/project/thesis work at Digital Resonance Private Limited, Kolkata.
- d) To exchange information on teaching, learning material and other literature relevant to their educational and research programmes.
- e) To jointly propose and engage in research or training programmes sponsored by funding agencies, and to invite each other's faculty to participate therein.
- f) To utilize facilities & expertise as per the requirements of respective parties on mutually agreed terms and conditions on case-to-case basis.
- g) To jointly organize seminars, conferences, or workshops, short term courses on topics of mutual interest and to invite each other's faculty/employee/experts to participate therein.

B. FINANCIAL ARRANGEMENT:

Digital Resonance Private Limited, Kolkata and GCECT agree that detailed terms and conditions that guide each activity identified above will be separately determined and agreed upon by the two parties in writing. These terms shall include a technical description of proposed activity, financial arrangements, and person(s) responsible for its implementation, etc. As such this MoU has no financial implication on each other.

C. CONFIDENTIALITY AND INTELLECTUAL PROPERTY:


Digital Resonance Private Limited, Kolkata and GCECT to respect each other's rights to intellectual property. Further, the Intellectual Property Rights (IPR) that arises as a result of any collaborative research or activity under this MoU will be worked out on a case-to-case basis, and will be consistent with officially laid down IPR policies of the two parties.

D. TENURE AND TERMINATION

This MoU will take effect from the Effective Date upon signatures by representatives of the two parties. It will remain valid for five (5) years, and may be extended further by the parties in writing. The MoU may be terminated by either party with notification to the other of its intention to terminate MoU.

Either party may terminate the MoU by giving written notice to the other party six months in advance. Once terminated, neither Digital Resonance Private Limited, Kolkata nor GCECT will be responsible for any losses, financial or otherwise, which the other party may suffer. However, Digital Resonance Private Limited, Kolkata and GCECT will ensure that all activities in progress are allowed to complete successfully.


Digital Resonance Pvt. Ltd.
Director


Principal
GCECT
College of Engineering
& Computer Technology
Road of West, Barisal

E. COORDINATION AND IMPLEMENTATION

A coordinating committee comprising heads of the parties or their nominees and two other members from each party would be responsible for effective implementation of MoU.

Members from Digital Resonance Private Limited, Kolkata:

1.
2.

Members from GCECT

1. Kingshuk Chakraborty
2. Pankaj Ghosh

F. ARBITRATION CLAUSE:

Should there be a dispute relating to any aspect of research and cooperation, the Director of Digital Resonance Private Limited, Kolkata and the Principal, GCECT will jointly resolve the dispute in a spirit of independence, mutual respect, and shared responsibility.

This MoU is prepared in two identical copies. Each party holds one original copy duly signed by the Director of Digital Resonance Private Limited, Kolkata and the Principal of GCECT.

For and on behalf of Digital Resonance Private Limited, Kolkata 	For and on behalf of Government College of Engineering and Ceramic Technology, Kolkata 
MR. DEBASHIS PAL Director of Digital Resonance Private Limited, Kolkata Address: Digital Resonance Pvt. Ltd. Director	PROF. (DR.) KRISHNENDU CHAKRABARTY Principal, Government College of Engineering and Ceramic Technology Address: 
Witness: 	Witness: 
Date: 10/05/2022	Date: 10/05/2022

G**MEMORANDUM OF UNDERSTANDING**

BETWEEN

GOLDENLION CONSULTING SERVICES PVT. LTD.

AND

GOVERNMENT COLLEGE OF ENGINEERING AND
CERAMIC TECHNOLOGY, KOLKATA*K. Chakrabarty*Principal
Govt. College of Engineering
& Ceramic Technology
Dist. of West Bengal

MEMORANDUM OF UNDERSTANDING
BETWEEN
GOLDENLION CONSULTING SERVICES PVT. LTD.
AND
GOVERNMENT COLLEGE OF ENGINEERING AND CERAMIC
TECHNOLOGY

This Memorandum of Understanding (hereinafter referred to as 'MOU') is made on 12th APRIL, 2022.

Between

GoldenLion Consulting Services Pvt. Ltd. (referred to as GoldenLion henceforth), is a Software company providing some of the most creative and innovative industry solutions over the years and having its office on the 5th Floor, RDB Boulevard, Regus, Sector V, Bidhannagar, Kolkata, West Bengal 700093 of the **One Part**.

And

Government College of Engineering and Ceramic Technology, Kolkata, an educational and research institution of national importance is a Government Autonomous Engineering College under Govt. of West Bengal established in 1941 and having its office at 73 A.C Banerjee Lane, Kolkata, West Bengal-700010, India, hereinafter referred to as "GCECT", (which terms of expressions shall, unless excluded by or repugnant to the context or the meaning thereof be deemed to include its successors and permitted assigns) on the **Other Part**.

(hereafter together referred to as 'Parties' and individually referred to as 'Party')

GoldenLion is a Zoho Consulting company specializing in building industry-specific CRM (Customer Relationship Management) solutions on the Zoho suite of products with 700+ customers in 70+ countries.

WHEREAS GCECT is one of the premier institutes to provide meaningful technical education, conduct original research of the highest standard, and provide leadership in technological innovation for the industrial growth of the country. GCECT imports and undertakes cutting-edge research in various areas of science, engineering, design, management, and humanities.

WHEREAS this MoU is of a generic nature for Academic collaboration, Specific R&D projects, Training Programs, Ph.D. guidance, Internship program, Faculty Development, Joint conference, etc.

WHEREAS it is considered desirable to promote cooperation between GoldenLion and GCECT in areas of mutual interest, both parties have reached an understanding with regard to the following:





Page 2 of 4

Principal
 Govt. College of Engineering
 & Ceramic Technology
 Govt. of West Bengal

A. OBJECTIVES

- a) To foster collaboration, provide an opportunity for global experience, and facilitate the advancement of knowledge on the basis of reciprocity, best effort, mutual benefit, and frequent interactions.
- b) To identify and pursue joint research & development projects, including those related to innovation and creativity, between GoldenLion and GCECT leading to publications, patents, copyrights, etc.
- c) To exchange, on a reciprocal basis, students at Undergraduate, Graduate, and Doctoral levels for limited periods of time for purpose of education and/or research.
- d) To Mentor Graduate/Post-Graduate/Research Scholars of GCECT for successful completion of their internship/project/thesis work at GoldenLion.
- e) To exchange information on teaching, learning material, and other literature relevant to their educational and research programs.
- f) To jointly propose and engage in research or training programs sponsored by funding agencies, and to invite each other's faculty to participate therein.
- g) To utilize facilities & expertise as per the requirements of respective parties on mutually agreed terms and conditions on a case-to-case basis.
- h) To jointly organize seminars, conferences, workshops, and short-term courses on topics of mutual interest and to invite each other's faculty/employee/experts to participate therein.

B. FINANCIAL ARRANGEMENT:

GoldenLion and GCECT agree that detailed terms and conditions that guide each activity identified above will be separately determined and agreed upon by the two parties in writing. These terms shall include a technical description of the proposed activity, financial arrangements, person(s) responsible for its implementation, etc. As such this MoU has no financial implications on each other.

C. CONFIDENTIALITY AND INTELLECTUAL PROPERTY:

GoldenLion and GCECT respect each other's rights to intellectual property. Further, the Intellectual Property Rights (IPR) that arise as a result of any collaborative research or activity under this MoU will be worked out on a case-to-case basis and will be consistent with the officially laid down IPR policies of the two parties.

D. TENURE AND TERMINATION

This MoU will take effect from the Effective Date upon signatures by representatives of the two parties. It will remain valid for five (5) years and may be extended further by the parties in writing. The MoU may be terminated by either party with notification to the other of its intention to terminate the MoU.

Either party may terminate the MoU by giving written notice to the other party six months in advance. Once terminated, neither GoldenLion nor GCECT will be responsible for any losses, financial or otherwise, that the other party may suffer. However, GoldenLion and GCECT will ensure that all activities in progress are allowed to complete successfully.




Page 3 of 4

Principal
Sree College of Engineering
& Ceramic Technology
Govt. of West Bengal

E. COORDINATION AND IMPLEMENTATION

A coordinating committee comprising heads of the parties or their nominees and two other members from each party would be responsible for the effective implementation of the MoU.

Members from GoldenLion Consulting Services Pvt. Ltd.:

1. Sanjukt Baserjee, Director
2. Sandip Baserjee Head of Operations

Members from GCECT:

1. Pranay Adak
2. Atan K. Paul

F. ARBITRATION CLAUSE:

Should there be a dispute relating to any aspect of research and cooperation, the Director of GoldenLion and the Principal, GCECT will jointly resolve the dispute in a spirit of independence, mutual respect, and shared responsibility.

This MoU is prepared in two identical copies. Each party holds one original copy duly signed by the Director of GoldenLion and the Principal of GCECT.

For and on behalf of GoldenLion Consulting Services Pvt. Ltd. 	For and on behalf of Government College of Engineering and Ceramic Technology, Kolkata 
MR. ARNAB BANDYOPADHYAY Director, GoldenLion Consulting Services Pvt. Ltd. Address: 5th Floor, RDB Boulevard, Regus, Sector V, Bidhannagar, Kolkata, West Bengal 700091 Witness: <u>M. Ghosh</u> Date:	PROF. (DR.) KRISHNENDU CHAKRABARTY Principal, Government College of Engineering and Ceramic Technology. Address: Principal Govt. College of Engineering & Ceramic Technology Govt. of West Bengal Witness: <u>K. Saha</u> Date:



MEMORANDUM OF UNDERSTANDING

BETWEEN

REFRAC CONSULTANCY & SERVICES PVT LTD

AND

GOVERNMENT COLLEGE OF ENGINEERING AND
CERAMIC TECHNOLOGY, KOLKATA



K. CHOKIOL

Principal
Govt. College of Engineering
& Ceramic Technology
Govt. of West Ben

MEMORANDUM OF UNDERSTANDING
BETWEEN
REFRAC CONSULTANCY & SERVICES PVT LTD
AND
GOVERNMENT COLLEGE OF ENGINEERING AND CERAMIC
TECHNOLOGY

This Memorandum of Understanding (hereinafter referred to as 'MOU') is made on 2nd March, 2022.

Between

REFRAC CONSULTANCY & SERVICES PVT LTD (referred as REFRAC CONSULTANCY & SERVICES henceforth), is amongst the leading contractors in INDIA in the line of Refractories, Thermal Insulation, Guniting, Fire Proofing, Painting Works, Heating up Works and is a growing company which takes up diversification as part of the growth. It provides cost effective solutions in the field of heat management using innovative technology, proven design, procedures and quality standards since 2009 and having its office at Surat, Gujarat of the **One Part**,

And

Government College of Engineering and Ceramic Technology, Kolkata, an educational and research institution of national importance is a Government Autonomous Engineering College under Govt. of West Bengal established in 1941 and having its office at 73 A.C Banerjee Lane, Kolkata, West Bengal-700010, India, hereinafter referred to as "GCECT", (which terms of expression shall, unless excluded by or repugnant to the context or the meaning thereof be deemed to include its successors and permitted assigns) on the **Other Part**,

(hereafter together referred to as 'Parties' and individually referred to as 'Party')

REFRAC CONSULTANCY & SERVICES is adequately experienced & equipped and had the opportunity to carry out several such works all over India under different capacities with highly reputed public and private sector organisations including Power Plants, Fertilizers, Refineries, Chemical Plants, and Petrochemical Plants etc. M/s. REFRAC CONSULTANCY & SERVICES have number of highly experienced Engineers, Supervisors, Staff, and Technicians in the field and can assure the completion of large magnitude work within reasonably framed completion schedule. REFRAC CONSULTANCY & SERVICES has been meeting its clients' challenging requirements covering a wide range of services including turnkey / shut down jobs of revamp and installation. REFRAC CONSULTANCY & SERVICES is committed to providing our clients with the highest level of customer service and quality of installation.



K. Chakraborty

Principal
 Govt. College of Engineering
 & Ceramic Technology
 Govt. of West Br.

WHEREAS GCECT is one of the premier institutes to provide meaningful technical education, to conduct original research of the highest standard and to provide leadership in technological innovation for the industrial growth of the country. GCECT imparts and undertakes cutting-edge research in various areas of science, engineering, design, management and humanities.

WHEREAS, this MoU is of a generic nature for Academic collaboration, Specific R&D projects, Training Programmes, Ph.D. guidance, Internship program, Faculty Development, Joint conference etc.

WHEREAS, it is considered desirable to promote co-operation between REFRAC CONSULTANCY & SERVICES and GCECT in areas of mutual interest, both parties have reached an understanding with regard to the following:

A. OBJECTIVES

- a) To foster collaboration, provide opportunity for global experience, and to facilitate advancement of knowledge on the basis of reciprocity, best effort, mutual benefit, and frequent interactions.
- b) To identify and pursue joint research & development projects, including those related to innovation and creativity, between REFRAC CONSULTANCY & SERVICES and GCECT leading to publications, patents, copyrights etc.
- c) To nominate / select students at Undergraduate and Post-graduate levels for limited periods of time for purpose of training / internship.
- d) To Mentor Graduate / Post-Graduate students of GCECT for successful completion of their internship / project at REFRAC CONSULTANCY & SERVICES.
- e) To jointly propose and engage in research or training programmes sponsored by funding agencies, and to invite each other's faculty/technocrat to participate therein.
- f) To utilize facilities & expertise as per the requirements of respective parties on mutually agreed terms and conditions on case-to-case basis.
- g) To jointly organize seminars, conferences, or workshops, short term courses on topics of mutual interest and to invite each other's faculty / employee / experts to participate therein.
- h) To jointly organize academic and extra-curricular activities for the students.

1.0 ROLE OF REFRAC CONSULTANCY & SERVICES :

- 1.1 To provide industrial training facilities to the students of GCECT as and when requested as per curriculum or on a mutually agreed time frame.



K. Chandra
Principal
Govt. College of Engineering
& Ceramic Technology
Govt. of West Bengal

1.2 To send experts in the field of refractories serving REFRAC CONSULTANCY & SERVICES to GCECT for delivering technical lectures for the benefit of the students of GCECT.

1.3 To propose / suggest live projects on topics of industrial importance and also on issues related to any problems faced by REFRAC CONSULTANCY & SERVICES to the students of GCECT.

1.4 To impart testing facilities available with REFRAC CONSULTANCY & SERVICES to GCECT as and when required for

project-based research work of students and faculties.

1.5 To provide raw materials, if needed, to GCECT for execution of the projects proposed by REFRAC CONSULTANCY & SERVICES to be undertaken by GCECT.

1.6 To recruit students of GCECT as per requirement of REFRAC CONSULTANCY & SERVICES.

2.0 ROLE OF GCECT:

2.1 To impart testing facilities available with the institute to REFRAC CONSULTANCY & SERVICES as and when needed.

2.2 To host the experts in the field of refractories coming from REFRAC CONSULTANCY & SERVICES to deliver technical lectures and arrange his local hospitality, if needed.

2.3 To undertake the live industrial projects proposed by REFRAC CONSULTANCY & SERVICES and get those assigned to students under guidance of faculty of GCECT.

2.4 To send students for taking industrial training in REFRAC CONSULTANCY & SERVICES as per requirement of REFRAC CONSULTANCY & SERVICES on the basis of their selection as per stipulated ~~number~~ and as per curriculum and academic calendar of GCECT.



K. Chakrabarti
Principal
Govt. College of Engineering
& Ceramic Technology
Govt. of West Bengal

2.5 To accept projects, if offered by REFRAC CONSULTANCY & SERVICES on mutually agreed terms and conditions and devote

sincerest efforts for the execution and implementation of such projects.

2.6 To offer technical consultancy for any technical issues arising from REFRAC CONSULTANCY & SERVICES

3.0 MUTUALLY INCLUSIVE PROGRAMMES

3.1 REFRAC CONSULTANCY & SERVICES may send students for M.Tech programme run by GCECT in Ceramic Technology as sponsored candidates. Online class facilities would be made available for the candidates while working, as also offline mode could be availed, if desired.

3.2 GCECT may arrange few training programmes on theory and practice of Refractories and allied ceramic processes for staff of REFRAC CONSULTANCY & SERVICES, if the management of REFRAC CONSULTANCY & SERVICES desires so.

3.3 Under the new UGC guidelines, there is provision to have a Professor of Practice at GCECT, who could be inducted from REFRAC CONSULTANCY & SERVICES, based on his educational background, experience and expertise and specific recommendation from the management of REFRAC CONSULTANCY & SERVICES for taking classes of UG and PG students on specific subjects of the curriculum of GCECT.

B. FINANCIAL ARRANGEMENT:

REFRAC CONSULTANCY & SERVICES and GCECT agree that detailed terms and conditions that guide each activity identified above will be separately determined and agreed upon by the two parties in writing. These terms shall include a technical description of proposed activity, financial arrangements, and person(s) responsible for its implementation, etc. As such this MoU has no financial implication on each other.

C. CONFIDENTIALITY AND INTELLECTUAL PROPERTY:

REFRAC CONSULTANCY & SERVICES and GCECT to respect each other's rights to intellectual property. Further, the Intellectual Property Rights (IPR) that arises as a result of any collaborative research or activity under this MoU will be worked out on a case-to-case basis, and will be consistent with officially laid down IPR policies of the two parties.

D. TENURE AND TERMINATION

This MoU will take effect from the Effective Date upon signatures by representatives of the two parties. It will remain valid for five (5) years, and may be extended further by the parties in writing. The MoU may be terminated by either party with notification to the other of its



K. Chakrabarti

Principal
Govt. College of Engineering
& Ceramic Technology
Govt. of West Bengal

Either party may terminate the MoU by giving written notice to the other party six months in advance. Once terminated, neither REFRAC CONSULTANCY & SERVICES nor GCECT will be responsible for any losses, financial or otherwise, which the other party may suffer. However, REFRAC CONSULTANCY & SERVICES and GCECT will ensure that all activities in progress are allowed to complete successfully.

E. COORDINATION AND IMPLEMENTATION

A coordinating committee comprising heads of the parties or their nominees and two other members from each party would be responsible for effective implementation of MoU.

Members from REFRAC CONSULTANCY & SERVICES PVT. LTD.:

1. Manojit Barman
2. A.K. Choudhary

Members from GCECT:

1. Partha Halder
2. Atul Anandhujar

F. ARBITRATION CLAUSE:

Should there be a dispute relating to any aspect of research and cooperation, the Director of REFRAC CONSULTANCY & SERVICES and the Principal, GCECT will jointly resolve the dispute in a spirit of independence, mutual respect, and shared responsibility.

This MoU is prepared in two identical copies. Each party holds one original copy duly signed by the Director of REFRAC CONSULTANCY & SERVICES and the Principal of GCECT.

For and on behalf of REFRAC CONSULTANCY & SERVICES PVT. LTD.	For and on behalf of Government College of Engineering and Ceramic Technology, Kolkata
	<u>K. Chakrabarti</u>
MR. MANOJIT BARMAN Co-Founder of REFRAC CONSULTANCY & SERVICES PVT, LTD.	PROF. (DR.) KRISHNENDU CHAKRABARTY Principal, Government College of Engineering and Ceramic Technology.
Address: Plot No: 272 RJD Textile Park Ichhapore, Surat 394510	Address: <u>73 A-C Banerjee Lane</u> <u>Kolkata - 700010</u>
Witness: <u>Manojit</u>	Witness: <u>Chakrabarty</u>
Date:	Date:

CERAMAT

Ceramat Private Limited

TO WHOMSOEVER IT MAY CONCERN

This is for information for all concerned that Ceramat Private Limited, having its factory at Unit no 14, Sethia Industrial Park, Near Vasai phata, Vasai 401208, Maharashtra, Head office at Unit no 14, Sethia Industrial Park, Near Vasai phata, Vasai 401208, Maharashtra has an established collaboration and strong industry-institute linkage with the Govt. College of Engg. & Ceramic Technology, 73, A. C. Banerjee Lane, Beliaghata, Kolkata 700010, West Bengal in respect of:

- a) Industrial internships and
- b) Placement of students of Ceramic Technology

This practice is continuing since academic year 2022-2023.

Sabyasachi Ray

For Ceramat Private Limited



Authorized Signatory

Unit No. 14, Sethia Industrial Park, S No. 39/1, Bilalpada, Vasai East-401208, Maharashtra.

CIN:L26990MH2021PTC70007

Email: info@is-ceramat.com Contact: +91-966588104

<https://isceramat.com/>

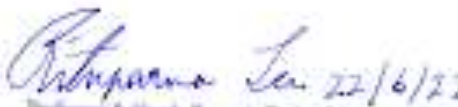
Ver 0 Date 09-05-2023

Research Advisory Committee of Ph. D Student of MAKAUT, WB

I, Prof. Dr. Rituparna Sen agree to supervise the Ph. D thesis of Mr. Pulak Barua. The title of the proposed thesis is ***DEVELOPMENT AND CHARACTERISATION OF INORGANIC-ORGANIC NANO-BIODECOMPOSITES FOR CRANIOFACIAL APPLICATIONS***.

I propose the following scientists as members of his/her RAC (Note: the members must be knowledgeable in the proposed area of research; choose any member as Chairman of RAC other than the supervisor/co-supervisor).

1. Dr. Rituparna Sen.....(Supervisor, Convener)
Designation: Professor of Ceramic Technology.....
Area of Specialization: Ceramics, Materials Science, Refractories, Cement & Concrete, Bio Ceramics, Waste utilization, Al-Mg Alloys, Positron Annihilation Spectroscopy
Office Address: Govt. College of Engg. & Ceramic Technology, 73, A. C. Banerjee Lane, Kolkata - 700010
Tel: 9831509654 / 9674535055
Email ID: rscnb3@gmail.com, rituparno_sen@gcetec.ac.in
2. Dr. Biswanath Kundu.....(Co-supervisor)
Designation:..Principal Scientist, Bioceramics Division, CSIR-CGCRl, Kolkata
Area of Specialization: Ceramics, Bioceramics, Composites
Office Address:..CSIR-Central Glass & Ceramic Research Institute, 196, Raja. S. C. Mallick Rd, Jadrapur, Kolkata 32
Tel...Mob No - [9831772081](tel:9831772081),
Email ID: bkundu@cgeri.res.in, biswa.kundu@gmail.com
3. Dr. Arup Ghosh.....(External Expert from outside the College) - **CHAIRMAN**
Designation: Retired Head, Refractories Division, CGCRl, Kolkata -700032
Area of Specialization: Ceramics, Refractories, Development of new process & Technology transfer
Office Address: Retired Chief Scientist Head, Refractories Division, Central Glass & Ceramic Research Institute, Raja S. C. Mallick Road, Jadrapur, Kolkata - 700032
Tel: 9831349967 / 8910665403
Email ID: arupgcril@gmail.com
4. Dr. (Mrs.) Kaberi Das, Associate Professor, Ceramic Technology(Expert from the college)
Designation: Associate Professor of Ceramic Technology
Area of Specialization: Ceramics, Refractories, Glass, Bio Ceramics, Process Ceramics
Office Address: Govt. College of Engg. & Ceramic Technology, 73, A. C. Banerjee Lane, Kolkata - 700010
Tel: 9830132634 / 7003340245
Email ID: drkaberidas@gmail.com
5. Dr. Tapas Kumar Bhattacharyya.....(Expert from the college)
Designation: Assistant Professor of Ceramic Technology
Area of Specialization: Ceramics, Whitewares, Nanoceramics, Traditional Ceramics, Metallurgy, Chem. Thermodynamics
Office Address: Govt. College of Engg. & Ceramic Technology, 73, A. C. Banerjee Lane, Kolkata - 700010
Tel: 9831758067
Email ID: tkb_ceramics@yahoo.co.in


Rituparna Sen 22/6/22
Professor & Head, Ceramic Technology
Govt. College of Engineering & Ceramic Technology
Govt. of West Bengal
Kolkata-700010

Signature of Supervisor with date and seal



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 :

Dr: 01/04/2022

Enrollment Certificate for the PhD Program

This is to certify that Mr./Ms. Pulak Barua has been enrolled as a provisional Ph.D scholar in Ceramic Technology discipline.

Enrollment number : PhD/TECH/CRT002/2022

Date of enrollment : 16.03.2022.

Validity : Two years from date of enrollment.

Name of Supervisor : Prof. Dr. Rituparna Sen

Name of Co Supervisor : Dr. Biswanath Kundu

Partha Pratim Lahiri 1/4/22

(Dr. Partha Pratim Lahiri)
Registrar

যাদবপুর বিশ্ববিদ্যালয়

SECRETARY
FACULTY OF ENGINEERING & TECHNOLOGY



*JADAVPUR UNIVERSITY
KOLKATA-700 032, INDIA

Ref. No. D-3/E/589/22

Date: June 21, 2022

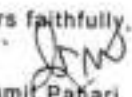
23

To,
Dr. Alok Mukherjee,
Government College of Engineering and Ceramic Technology,
Res. Add. Rahara, Kahardaha,
Kolkata - 700 118

Dear Sir/Madam,

I am hereby informing you that the Doctorate Committee (Engg./Pharm.) in its meeting held on 24.03.2022 resolved (vide Res. No. '6-B') , to appoint you as a Co-Supervisor of **Arunava Kabiraj Thakur** along with **Prof. Palash Kumar Kundu**, Department of Electrical Engineering, JU & **Prof. Arabinda Das**, Department of Electrical Engineering, JU.

Thanking you,

Yours faithfully,

Samit Pahari
Secretary, (O) F.E.T.

Copy: Records - 2.

Secretary, FET (File No. 44/16/E)
(Vide D.C. Res. No. 6 (B) dt. 24.03.2022)

Supervisor/s: **Prof. Palash Kumar Kundu**
Department of Electrical Engineering, JU
Kolkata - 700 032

Prof. Arabinda Das,
Department of Electrical Engineering, JU
Kolkata - 700 032

Arunava Kabiraj Thakur,
161-J, Dr. G.S. Bose Road, Kolkata,
Kolkata - 700 039

Research Advisory Committee of Ph. D Student of MAKAUT, WB

I, Prof. Dr. Rituparna Sen agree to supervise the Ph. D thesis of Mr. Sudipto Saha. The title of the proposed thesis is "EFFECT OF SOLID WASTE ON SINTERING AND PROPERTIES OF TRI-AXIAL PORCELAIN BODY".

I propose the following scientists as members of his/her RAC (Note: the members must be knowledgeable in the proposed area of research; choose any member as Chairman of RAC (other than the supervisor/co-supervisor).

1. Dr. Rituparna Sen.....(Supervisor, Convener)
Designation: Professor of Ceramic Technology.....
Area of Specialization: Ceramics, Materials Science, Refractories, Cement & Concrete, Bio Ceramics, Waste utilization, Al-Mg Alloys, Positron Annihilation Spectroscopy
Office Address: Govt. College of Engg. & Ceramic Technology, 73, A. C. Banerjee Lane, Kolkata - 700010
Tel: 9831500654 / 9674535055
Email ID: rscm63@gmail.com, rituparna_sen@gcetec.ac.in
2. Dr. H. S. Tripathi.....(Co-supervisor)
Designation: Senior Principal Scientist & Head, Refractories & Traditional Ceramics Division, CSIR-CGCRI, Kolkata
Area of Specialization: Refractories and Traditional Ceramics
Office Address: CSIR-Central Glass & Ceramic Research Institute, 196, Raja. S. C. Mallick Rd, Jadavpur, Kolkata 32
Tel., Mob No - 9433457546
Email ID: hstripathi@cgcri.res.in, hstripathi@hotmail.com
3. Dr. Arup Ghosh.....(External Expert from outside the College) - **CHAIRMAN**
Designation: Retired Head, Refractories Division, CGCRI, Kolkata - 700032
Area of Specialization: Ceramics, Refractories, Development of new process & Technology transfer
Office Address: Retired Chief Scientist Head, Refractories Division, Central Glass & Ceramic Research Institute, Raja S. C. Mallick Road, Jadavpur, Kolkata - 700032
Tel: 9831349967 / 8910665403
Email ID: arupcgcri1@gmail.com
4. Dr. (Mrs.) Kaberi Das, Associate Professor, Ceramic Technology(Expert from the college)
Designation: Associate Professor of Ceramic Technology
Area of Specialization: Ceramics, Refractories, Glass, Bio Ceramics, Process Ceramics
Office Address: Govt. College of Engg. & Ceramic Technology, 73, A. C. Banerjee Lane, Kolkata - 700010
Tel: 9830132634 / 7003340245
Email ID: dkaberidas@gmail.com
5. Dr. Tapas Kumar Bhattacharyya.....(Expert from the college)
Designation: Assistant Professor of Ceramic Technology
Area of Specialization: Ceramics, Whitewares, Nanoceramics, Traditional Ceramics, Metallurgy, Chem. Thermodynamics
Office Address: Govt. College of Engg. & Ceramic Technology, 73, A. C. Banerjee Lane, Kolkata - 700010
Tel: 9831758067
Email ID: tkb_ceramics@yahoo.co.in


Professor & Head, Ceramic Technology
Govt. College of Engineering & Ceramic Technology
Govt. of West Bengal
Kolkata-700010

Signature of Supervisor with date and seal



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: 03/06/2022

Enrollment Certificate for the PhD Program

This is to certify that Mr./Ms. Sudipta Saha has been enrolled as a provisional Ph.D scholar in Ceramic Technology discipline.

Enrollment number : PhD/TECH/CRT003/2022

Date of enrollment : 31.03.2022 .

Validity : Two years from date of enrollment.

Name of Supervisor : Prof. Dr. Rituparna Sen

Name of Co Supervisor : Dr. H. S. Tripathi

(Dr. Partha Pratim Lahiri)
Registrar



To Whomever May Concern

This information is for all concerned that Asmaka Ventures LLP, with its registered office at Unit-G8, Prachit, 78/1 RK Chatterjee Road, Kolkata 700042, has an established collaboration and strong Academic-Industry relationship with the Govt. College of Engineering & Ceramic Technology, situated at 73, A. C. Benerjee Lane, Beliaghata, Kolkata 700010, in respect of Internships and Campus placement of students.

This practice has been continuing since the academic year 2021-22.

ARNAB
CHAKRABORTY
Y

Digitally signed by
ARNAB
CHAKRABORTY
Date: 2023.07.27
16:08:45 +05'30'

Arnab Chakraborty
(Partner)



MEMORANDUM OF UNDERSTANDING

BETWEEN

SKYLINE WEB & APPLICATIONS, KOLKATA

AND

GOVERNMENT COLLEGE OF ENGINEERING AND
CERAMIC TECHNOLOGY, KOLKATA

SKYLINE WEB & APPLICATIONS

A handwritten signature in blue ink, appearing to be "S. M. Chakraborty", written over the text "Proprietor".

Proprietor

K. Chakraborty

Principal
Govt. College of Engineering
& Ceramic Technology
Govt. of West Bengal

MEMORANDUM OF UNDERSTANDING
BETWEEN
SKYLINE WEB & APPLICATIONS
AND
GOVERNMENT COLLEGE OF ENGINEERING AND CERAMIC
TECHNOLOGY

This Memorandum of Understanding (hereinafter referred to as 'MOU') is made on 15th JANUARY, 2020.

Between

SKYLINE WEB & APPLICATIONS is a Software development company building website, web application and mobile application related to Ecommerce (Online Shopping Portal), Government College/Organization, NGO, Real-estate, Health, School or any kind of Business etc. over the years and having its office at 4, Debinibas Road, Dum Dum, Kolkata – 700074 of the **One Part**.

And

Government College of Engineering and Ceramic Technology, Kolkata, an educational and research institution of national importance is a Government Autonomous Engineering College under Govt. of West Bengal established in 1941 and having its office at 73 A.C Banerjee Lane, Kolkata, West Bengal-700010, India, hereinafter referred to as "GCECT", (which terms of expression shall, unless excluded by or repugnant to the context or the meaning thereof be deemed to include its successors and permitted assigns) on the **Other Part**.

(hereafter together referred to as 'Parties' and individually referred to as 'Party')

SKYLINE WEB & APPLICATIONS offers Professional Website Design, UI/UX Design, Bespoke Website Design, Web Application Development, Ecommerce / Portal Development, Custom Content Management System, Open Source Customization, Library Management System, Online Journal System, API Integration, Admission Portal, Office Automation, Inventory Management/Billing System, Website Maintenance & Support, Mobile App Design/Development.

WHEREAS GCECT is one of the premier institutes to provide meaningful technical education, to conduct original research of the highest standard and to provide leadership in technological innovation for the industrial growth of the country. GCECT imparts and undertakes cutting-edge research in various areas of science, engineering, design, management and humanities.

SKYLINE WEB & APPLICATIONS



K. Chakrabarti
 Principal
 Govt. College of Engineering
 & Ceramic Technol.
 Govt. of West Ben

WHEREAS, this MoU is of a generic nature for Academic collaboration, Specific R&D projects, Training Programmes, Ph.D. guidance, Internship program, Faculty Development, Joint conference etc.

WHEREAS, it is considered desirable to promote co-operation between SKYLINE WEB & APPLICATIONS and GCECT in areas of mutual interest, both parties have reached an understanding with regard to the following:

A. OBJECTIVES

- a) To foster collaboration, provide opportunity for global experience, and to facilitate advancement of knowledge on the basis of reciprocity, best effort, mutual benefit, and frequent interactions.
- b) To identify and pursue joint research & development projects, including those related to innovation and creativity, between SKYLINE WEB & APPLICATIONS and GCECT leading to publications, patents, copyrights etc.
- c) To exchange, on a reciprocal basis, students at Undergraduate, Graduate and Doctoral levels for limited periods of time for purpose of education and /or research.
- d) To Mentor Graduate/Post-Graduate/Research Scholars of GCECT for successful completion of their internship/project/thesis work at SKYLINE WEB & APPLICATIONS.
- e) To exchange information on teaching, learning material and other literature relevant to their educational and research programmes.
- f) To jointly propose and engage in research or training programmes sponsored by funding agencies, and to invite each other's faculty to participate therein.
- g) To utilize facilities & expertise as per the requirements of respective parties on mutually agreed terms and conditions on case-to-case basis.
- h) To jointly organize seminars, conferences, or workshops, short term courses on topics of mutual interest and to invite each other's faculty/employee/experts to participate therein.

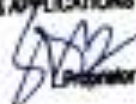
B. FINANCIAL ARRANGEMENT:

SKYLINE WEB & APPLICATIONS and GCECT agree that detailed terms and conditions that guide each activity identified above will be separately determined and agreed upon by the two parties in writing. These terms shall include a technical description of proposed activity, financial arrangements, and person(s) responsible for its implementation, etc. As such this MoU has no financial implication on each other.

C. CONFIDENTIALITY AND INTELLECTUAL PROPERTY:

SKYLINE WEB & APPLICATIONS and GCECT to respect each other's rights to intellectual property. Further, the Intellectual Property Rights (IPR) that arises as a result of any collaborative research or activity under this MoU will be worked out on a case-to-case basis, and will be consistent with officially laid down IPR policies of the two parties.

SKYLINE WEB & APPLICATIONS


Proprietor


Principal
Govt. College of Engineering
& Ceramic Technol.
Govt. of West Ben

D. TENURE AND TERMINATION

This MoU will take effect from the Effective Date upon signatures by representatives of the two parties. It will remain valid for five (5) years, and may be extended further by the parties in writing. The MoU may be terminated by either party with notification to the other of its intention to terminate MoU.

Either party may terminate the MoU by giving written notice to the other party six months in advance. Once terminated, neither SKYLINE WEB & APPLICATIONS nor GCECT will be responsible for any losses, financial or otherwise, which the other party may suffer. However, SKYLINE WEB & APPLICATIONS and GCECT will ensure that all activities in progress are allowed to complete successfully.

E. COORDINATION AND IMPLEMENTATION

A coordinating committee comprising heads of the parties or their nominees and two other members from each party would be responsible for effective implementation of MoU.

Members from SKYLINE WEB & APPLICATIONS:

1. Supriyo Das
2. _____

Members from GCECT:

1. Krsihendra Chatterjee
2. Pradyumn Kumar

F. ARBITRATION CLAUSE:

Should there be a dispute relating to any aspect of research and cooperation, the Proprietor of SKYLINE WEB & APPLICATIONS and the Principal, GCECT will jointly resolve the dispute in a spirit of independence, mutual respect, and shared responsibility.


This MoU is prepared in two identical copies. Each party holds one original copy duly signed by the Proprietor of SKYLINE WEB & APPLICATIONS and the Principal of GCECT.

For and on behalf of SKYLINE WEB & APPLICATIONS <small>SKYLINE WEB & APPLICATIONS</small> 	For and on behalf of <u>K. Chatterjee</u> Government College of Engineering and Ceramic Technology, Kolkata Principal Govt. College of Engineering & Ceramic Technology
MR. SUPRIYO DAS Proprietor of SKYLINE WEB & APPLICATIONS Address: 4, Debinibas Road, Dum Dum, Kolkata - 700074 Witness:  Date: <u>15.01.2020</u>	PROF. (DR.) KRISHNENDU CHATTERJEE Principal, Government College of Engineering and Ceramic Technology. Address: 73, A.C. Banerjee Lane, Kolkata- 700010 Witness: <u>Artha Haldar</u> Date: <u>15.01.2020</u>


JADAVPUR UNIVERSITY
FACULTY OF ENGINEERING AND TECHNOLOGY

CERTIFICATE

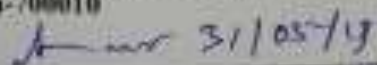
This is to certify that the thesis entitled "SYNTHESIS AND CHARACTERIZATION OF BARIUM TITANATE-CNT COMPOSITE BY SOL-GEL TECHNIQUE" submitted by Aritra Majumder (Exam Roll No- M4MAT19022, Class Roll No- 001711303021, Registration no - 140911 of 2017-2018) in partial fulfilment for the degree of Master of Technology in Material Engineering from the Metallurgical and Material Engineering Department, Jadavpur University, Kolkata-700032, is an authentic work carried out by him/under our supervision and guidance. To the best of my knowledge, the matter embodied in this thesis has not been submitted to any other organization.


Prof. Pravash Chandra Chakrabarti
Thesis Advisor
Dept. of Metallurgical and Material Engineering
Jadavpur University
Kolkata-700032


Professor
Metallurgical & Material Engg. Dept.
Jadavpur University
Kolkata 700 032


Dr. Barun Kumar Sanfui
Thesis Advisor
Dept. of Ceramic Technology
Government College of Engineering & Ceramic Technology
Kolkata-700010

Dr. B. K. Sanfui
Assistant Professor of Ceramic Technology
Govt. College of Engg. & Ceramic Technology
73, A. C. Bose Road, Kolkata-70
Government of West Bengal


Prof. Akshay Kumar Pramanik
Head of Department
Dept. of Metallurgical and Material Engineering
Jadavpur University
Kolkata-700032

Head of the Department
Metallurgical & Material Engg. Dept.
Jadavpur University
Kolkata 700 032


Dean
F.E.T., Jadavpur University
Kolkata-700032

Webinar on
Future generation Computing and applications: Smart Devices
 19th September (Saturday), 2020 @ 2.45 PM (IST)



*School of Mobile Computing
 Jadavpur University*



*Government College
 of Engineering &
 Ceramic Technology*



Prof Chiranjib Bhattachariya
 Honourable Pro Vice Chancellor
 Jadavpur University
 Chief Guest



Prof Krishnendu Chakrabarty
 Principal, GCECT
 Chief Patron

JOIN OUR EMINENT SPEAKERS



Dr. Chandreyee Chowdhury
 Jadavpur University



Dr. John Jose
 III Guwahati

[Click here for online Registration \(Free\)](#)

For details or any query mail into webinar@gcect.ac.in

Coordinators



Arpita Sarkar
 Assistant Professor, JU



Kingshuk Chatterjee
 Assistant Professor, GCECT



Paramita Dey
 Assistant Professor, GCECT

Program Highlights

- 2.45 pm - 3.00 pm : Inauguration
- 3:00 pm - 4:30 pm : Autonomous Vehicles, Challenges and Opportunities
- 4:30 pm - 6:00 pm : An Overview of Smartphone Sensing Applications

**Webinar on
Future generation Computing and applications: Cloud Computing**
18th September (Saturday), 2020 @ 2:45 PM (IST)



School of Mobile Computing
& Communication
Jadavpur University



Prof. Chiranjit Bhattacharya
Honorable Pro Vice-Chancellor
Jadavpur University
Chief Guest



Government College
of Engineering &
Ceramic Technology



Prof. Kishore Chakrabarti
Principal, GCET
Chief Patron

JOIN OUR EMINENT SPEAKERS



Prof. Sarbani Bar
Jadavpur University



Prof. Soumen Kanti Ghosh
III, Khosropur

[Click here for online Registration \(Free\)](#)

For details or any query mail to: webinar@jpu.ac.in
Co-organizers



Anjan Sarkar
Assistant Professor, JPU



Dr. Anagha Chatterjee
Assistant Professor, GCET



Ananda Das
Assistant Professor, GCCT

Program Schedule

2:45 pm - 3:30 pm - Registration

3:30 pm - 4:20 pm - Significant Techniques in Cloud - Overview and Research Challenge

4:20 pm - 4:55 pm - Special Cloud Computing

7/27/23, 2:27 PM

9. Certificate 2019-20.JPG



**FACULTY OF INTERDISCIPLINARY STUDIES,
LAW & MANAGEMENT**

CERTIFICATE

We hereby recommend that the thesis prepared under our supervision by Ishita Paul (Reg. No. 190011 of 2019-20, Chem. Roll No. 00200000014, Exam Roll No. M4200C2004) entitled "Efficiencies of Lockdown on COVID-19 Infected States of India During Pandemic" be accepted for the degree of Master of Technology in Distributed & Mobile Computing of Jodhpur University.

Angana Sarkar

Asst Prof. Angana Sarkar

Supervisor

School of Mobile Computing and
Communication

Jodhpur University

Parvinder Dey

Asst Prof. Parvinder Dey

Joint Supervisor

Department of Information
Technology

Governor's College of
Engineering and IT
Technology

Poojika Chatterjee

Dr. Poojika Chatterjee

Dean

School of Mobile Computing and
Communication

Jodhpur University

Prof. Poojika Chatterjee

Prof. Poojika Chatterjee

Dean

Faculty of Interdisciplinary Studies,
Law & Management

Jodhpur University

7/27/23, 2:28 PM

19. CertificateJ 2019-08.JPG



**FACULTY OF INTERDISCIPLINARY STUDIES,
LAW & MANAGEMENT**

CERTIFICATE

We hereby recommend that the thesis proposed under our supervision by Deepangika Datta (Registration No.: 16007 of 1819-20, Class Roll No.: 00100001819, Exam Roll No. M40MC1819) entitled "Classification of Fake Images on Social Media" be accepted in the degree of Master of Technology in Distributed & Mobile Computing of Jodhpur University.

Deepangika Datta

Asst Prof. Arpita Sarkar

Supervisor

School of Mobile Computing and
Communication

Jodhpur University

Parvanta Desai

Asst Prof. Parvanta Desai

Joint Supervisor

Department of Information
Technology

Government College of
Engineering and Ceramic
Technology

Parvanta Desai

Dr. Parvanta Desai

Director

School of Mobile Computing and
Communication

Jodhpur University

Prakash Kumar Roy

Prof. Prakash Kumar Roy

Dean

Faculty of Interdisciplinary Studies,
Law & Management

Jodhpur University

JADAVPUR UNIVERSITY
FACULTY OF ENGINEERING AND TECHNOLOGY

CERTIFICATE

This is to certify that the thesis entitled "FABRICATION AND CHARACTERISATION OF MWNT-REINFORCED ALUMINA BASED NANOCOMPOSITE" submitted by Mr. Apurba Naskar (Exam Roll No.- MIMAT21016, Class Roll No.- 051941305016, Registration No.- 150005 of 2019-20) for the degree of Master of Technology in Material Engineering from the Metallurgical and Material Engineering Department, Jadavpur University, Kolkata-700032 is a record of bonafide research work carried out by him under our supervision and guidance. His thesis, in our opinion, is worthy of consideration for the award of degree of Master of Technology in accordance with the regulations of the institute. The results embodied in this thesis have not been submitted to any other university or institute for the award of a degree.


23/08/2021

Prof. Pravash Chandra Chakrabarti
 Thesis Supervisor
 Department of Metallurgical and Material Engineering
 Jadavpur University
 Kolkata-700032



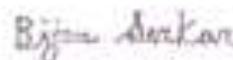
Dr. Barun Kumar Sanfai
 Assistant Professor
 Govt. College of Engg. & Ceramic Technology
 Kolkata-700010

Date: 03/08/2021

Dr. Barun Kumar Sanfai
 Co-Supervisor
 Assistant Professor
 Department of Ceramic Engineering
 Government College of Engineering & Ceramic Technology
 Kolkata-700010


4/8/2021

Dr. Amrita Kunder
 Head of Department FET, Jadavpur University
 Department of Metallurgical and Material Engineering
 Jadavpur University
 Kolkata- 700032



Dean

Kolkata- 700032



DEAN
 Faculty of Engineering & Technology
 JADAVPUR UNIVERSITY
 KOLKATA-700032



University of Calcutta
Senate House, Kolkata - 700073

Date of Enrolment : 2nd January 2019

Registration Number : 09218/Ph.D.(Tech.)Proceed/2019

Date of Registration : 18th December 2019

Date of Letter : 24th December 2019

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

From:

Deputy Registrar (Acting)
 University of Calcutta



To:

Smt Pamei Pal
 2/24, Gabtala Lane,
 Behala, Kolkata-700060.

Madam,

I am desirous to inform you that you have been granted registration for the Ph.D. programme under this University in **Chemical Technology (Ceramic Engineering)** 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

"Some Studies On The Synthesis And Characterizations Of Lithium Disilicate Glass-Ceramics."

Name of the Supervisor : Dr. Prabir Kumar Maiti

Name of the Joint Supervisor : Dr. Kaberi Das

Name of the Associate Supervisor : X

Yours faithfully,

Deputy Registrar (Acting)

N.B. Please see the instructions overleaf.



पश्चिम बंगाल WEST BENGAL

AC 683189

MEMORANDUM OF UNDERSTANDING

BETWEEN

WEST BENGAL UNIVERSITY OF ANIMAL AND FISHERY SCIENCES
 68, K.R. Sengul, P.O.-BELGACHIA, KOLKATA-700017
 AND

GOVERNMENT COLLEGE OF ENGINEERING & CERAMIC TECHNOLOGY
 73, A.C. Banerjee Lane, Kolkata-700016
 FOR

CO-OPERATION IN THE FIELD OF RESEARCH PROGRAMS

This Memorandum of Understanding (MOU) is made on the Twelfth day of December Two Thousand and Nineteen BY AND BETWEEN

West Bengal University of Animal and Fishery Sciences, Belgachia, Kolkata. (hereinafter referred to as WBUAFS, a state Agricultural University established by WBUAFS Act 1985 passed by the West Bengal Legislative Assembly to impart education in Veterinary and Animal Husbandry, Fishery Sciences and Dairy Technology or allied sciences and also to undertake research & extension activities in the aforesaid fields having its office at Belgachia, Kolkata.

W. S. Chatterjee


[Signature]

BY SIGNING HERETO, THE PARTIES HERETO HAVE ACCEPTED THE AUTHORITY AND
THEir mutual obligations and mutual representations as the same specified below.

Location: Kolkata
Date: 17th March, 2018

For and on behalf of

TACTIONAL ESR & SERVICES LTD.



CHAITALY BOSE,
REGIONAL HEAD, BIDDHA ESR,
TCS,
KOLKATA

Witnessed By:
On behalf of

DATA CONSULTANCY SERVICES LTD.



SAGAR DATTA,
REGIONAL ESR LEAD,
TCS, KOLKATA

Location: Kolkata
Date: 17th March, 2018

For and on behalf of

GOVERNMENT COLLEGE OF
ENGINEERING AND CERAMIC
TECHNOLOGY (GCET)



DR. KRISHNENDU CHAKRAVARTY,
PRINCIPAL,
GCET,
KOLKATA
*Principal
Govt. College of Engineering
& Ceramic Technology
Baru, 1st Ward, Baru*

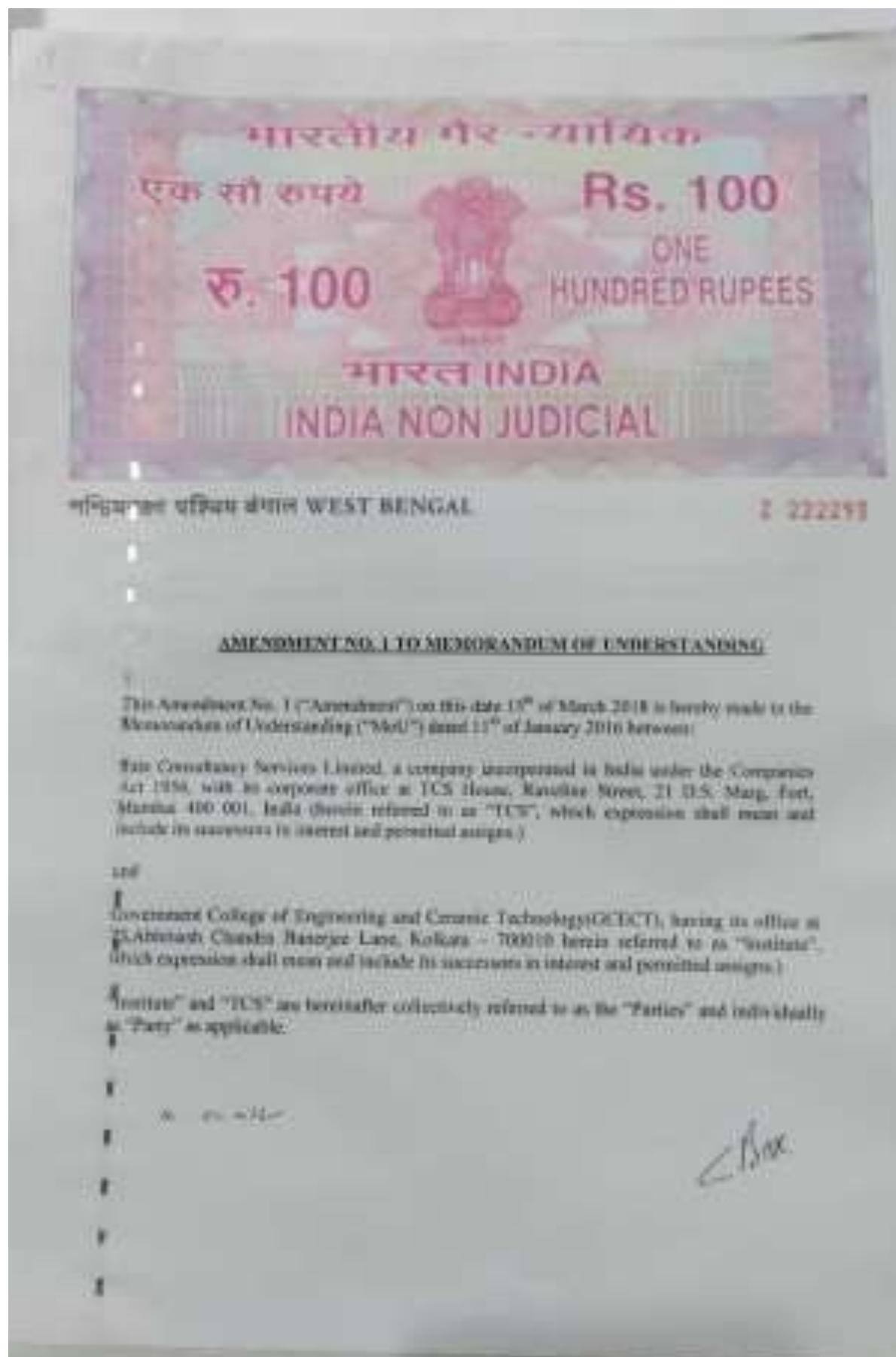
Witnessed By:
On behalf of

GOVERNMENT COLLEGE OF
ENGINEERING AND CERAMIC
TECHNOLOGY (GCET)



DR. MAUREM MATHRA,
HOD-IT,
GCET, KOLKATA

Head of the Department
Dept. of Information Technology
Govt. College of Engineering
& Ceramic Technology, Baru, 1st Ward,
Baru



4.0 SECURITY

It is hereby agreed that the participating agencies shall keep information and data collected completely secure provided that the right to transfer the technology shall rest with the central funding Agency.

5.0 MONITORING

- 5.1 The progress of implementation of the project and proper utilization of grant shall be reviewed and monitored by the Monitoring Committee set up by WBIAFS & CCECT in respective terms.
- 5.2 The periodic progress of physical achievements and the utilization of funds, interest of expenditure shall be evaluated by the monitoring committee.

6.0 DURATION OF MEMORANDUM OF UNDERSTANDING

This MoU will remain in force for a period of five years effective from the date of execution of the project.

7.0 GOVERNING LAW

This contract shall be governed by the Law of India for the time being in force.

IN WITNESS WHEREOF the parties hereto have signed, sealed and delivered this Agreement on the day, month and year first above written in presence of:

Witness:

1. *Signature*
Professor, Dept of Vet. Microbiology
FRAS, WBIAFS
2. *Signature*
(Deputy Director of Research)
DEFF, WBIAFS

Signed by

Signature
12/12/19

DIRECTOR

Department of Research, Extension & Public
WB University of Animal & Fishery Sciences
IT & 48, K.B. Sanyal, Kolkata - 700 057

For and on behalf of WBIAFS
Director of Research WBIAFS

Signed by

Signature
12-12-19

Principal
Govt. College of Engineering
& Ceramic Technology
Govt. of West Bengal

(Designation)

For and on behalf of CCECT
PRINCIPAL, CCECT

Witness:

1. *Signature* 12-12-19
Associate Professor
CCECT
2. *Signature* 12-12-19
ASSOCIATE DEPT
CCECT

PREAMBLE

WHEREAS

- A. Parties have entered into a MoU dated 11th of January, 2016.
- B. Term of the MoU expired on 01st January, 2018.
- C. Parties have mutually agreed to extend the Term of the MoU for a further period of two (2) years.

NOW THEREFORE, in consideration of the mutual promises and covenants contained herein, the Parties, agree as follows:

1. The Term of the MoU shall be extended for a period of two (2) years from, 01st of March, 2018 to 31st of March, 2020.
2. Both the Parties agree that this Amendment No. 1 forms an integral part of the MoU signed between TCS and Institute in all respects and shall be read in conjunction with the MoU.
3. Except to the extent specifically amended herein, all the terms and conditions of the MoU shall continue to have full force and effect.

W. J. T. A. K.

← A. K.

**Ants Lab Equipments Private Limited**

Unit No.1, Jivdani Industrial Estate No.1
Off. Western Express Highway, Dhumal Nagar, Vasai (E)-
Thane - 401208 Contact: 7020244179
Email: asp@9613@gmail.com
CIN: U74999MH2016PTC269849

TO WHOMSOEVER IT MAY CONCERN

This is for information for all concerned that Ants Lab Equipments Private Limited having its factory at Unit Number 1, Jivdani Industrial Estate Number 1, Dhumal Nagar, Vasai East-401208, Head office at Unit Number 1, Jivdani Industrial Estate Number1, Dhumal Nagar, Vasai East-401208 has an established collaboration and strong industry-institute linkage with the Govt. College of Engg. & Ceramic Technology, 73, A. C. Banerjee Lane, Beliaghata, Kolkata 700010, West Bengal in respect of:

- a) Industrial internships and
- b) Placement of students of Ceramic Technology

This practice is continuing since academic year 2018-19,

For Ants Lab Equipments Private Limited

A handwritten signature in black ink, appearing to read "Anshu Bhatia", is written over a horizontal line.

Authorized Signatory

7/20/2017, 2:50 PM

16_2017 CU-GCECT (RKS)-2017.jpg

DEPARTMENT OF CHEMICAL TECHNOLOGY
UNIVERSITY COLLEGE OF TECHNOLOGY
UNIVERSITY OF CALCUTTA
RASHBEEHARI SHIKSHA PRANGAN
82, Acharya Prafulla Chandra Road
Kolkata-700 009, India



Phone : 2350-6386/3396/3387/3307, Extn. 261
Fax : +91-633-2351-6755
Gram : SCIENCE
E Mail : chemtech@ucl.ac.in

Ref. No. _____

Date 08.08.2017

To

The Principal
Govt. College of Engineering and Ceramic Technology
73, A. C. Batejee Lane, Kolkata - 10

ForWARDED
Sudhansu Dutta
8/8/17
HEAD OF THE DEPT
Chemical Technology Dept
UNIVERSITY OF CALCUTTA
82, A.P.C. Road, Kolkata

Sub: Collaborative project work for students

Respected Sir,

This is to kindly inform you that three students of our department are willing to carry out their project work jointly under the supervision of Dr. B. Sanfui of your institution along with the under signed teachers from the Dept. of Chemical Technology (Ceramic Engg. Divn.) University of Calcutta.

It will be highly appreciated if you would kindly permit them for their academic benefit, which will further increase the collaborative liaison between these two neighbouring institutes. For your ready reference their names are listed below:

1. Santanu Majumdar, B. Tech.
2. Saktam Scharabish, B. Tech.
3. Anusmita Halder, M. Tech.

Thanking you,

With kind regards,

Yours sincerely

Prasen Halder
M. Tech & June 17
Principal
Govt. College of Engineering
& Ceramic Technology
Kolkata-700010
Govt. of West Bengal

Sunanda Mukhopadhyay
(Prof. S. Mukhopadhyay)
08/8/17
Dr. Sunanda Mukhopadhyay
Professor
Dept. of Chemical Technology
(Ceramic Engg. Division)
University of Calcutta
82, A.P.C. Road, Kolkata - 700 009

P.K. Maiti
(Dr. P. K. Maiti)
08/08/17
Dr. P. K. Maiti
Associate Professor
Dept. of Chemical Technology
University of Calcutta
82, A. P. C. Road, Kolkata-7

CSEIT045/2017

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:
KAMARUJJAMAN
 VILL+P.O-RADHAKANTAPUR,
 P.S-KALIGANI, DIST-NADIA,
 PEN-741181.

Dear Sir/Madam,

I am glad to inform you that you have been granted registration for Ph. D programme under this University in **COMPUTER SCIENCE & ENGINEERING** for the Degree of Doctor of Philosophy (Ph. D.). Your Registration No. **PhD/Tech/CSEIT045/2017** is with effect from **15.03.17**.

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

Title of the Thesis

**AUTOMATIC DETECTION AND
 DIAGNOSING DISEASES BASED ON
 GENOMIC SEQUENCING**

Dr. Mausumi Maitra
 (Supervisor)

Dr. Susanta Chakraborty
 (Joint Supervisor)

(Associate Supervisor)

Yours faithfully,

August 02, 2018

Indranil Mukherjee
 Registrar

Maulana Abul Kalam Azad University of Technology, West Bengal

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



Metwiz Materials Private Limited

11/A, Doms Industrial Complex, Near Range Office, Vasai
 East, Vasai, Dist. Palghar, M.S. India - 401 208
 Contact No: +91-9867757375
 Email ID: info@metwiz.in, web: www.metwiz.in

GSTN: 27AAKCM2885J1Z0W

CIN No: U74999MH2018PTC279993

Ref: Metwiz/OC/23-24/07/135

Date: 24/07/2023

TO WHOMSOEVER IT MAY CONCERN

This is for information to all concerned that Metwiz Materials Private Limited, having its factory at 11/A, Doms Industrial Estate, near forest range office, Vasai East 401208, Maharashtra, Head office at 11/A, Doms Industrial Estate, near forest range office, Vasai East 401208, Maharashtra has an established collaboration and strong industry-institute linkage with the Govt. College of Engg. & Ceramic Technology, 73, A. C. Banerjee Lane, Beliaghata, Kolkata 700010, West Bengal in respect of:

- a) Industrial internships and
- b) Placement of students of Ceramic Technology

This practice is continuing since academic year 2016-17.

R. E. Dharmadhikari

Rashmi Dharmadhikari
 CEO & MD
 Metwiz Materials Private Limited





SKG REFRACTORIES LIMITED

L. 103A/3947 SALARPUR-713357

Dist. Paschim Bardhaman

WEST BENGAL

PHONE No.: 8170007368

Website: www.skgri.com

TO WHOMSOEVER IT MAY CONCERN

25th July, 2023

This is for information for all concerned that SKG Refractories Ltd, having its factory at Salarpur, Near Asansol Paschim Bardhaman, Pin -713357 Head office Refractory House, L.B.S. Marg, Kurta (W), Mumbai-400070 has an established collaboration and strong industry-institute linkage with the Govt. College of Engg. & Ceramic Technology, 73, A. C. Banerjee Lane, Beliaghata, Kolkata 700010, West Bengal in respect of

- a) Industrial internships and
- b) Placement of students of Ceramic Technology

This practice is continuing since academic year 2015.

For SKG Refractories Ltd

Director & Technical Advisor

Dr. Anup Kumar Chattopadhyay



Regd. Off. : Hyderabad Trading Company
7-4, Beside Newland Oval Bridge, Opp. Gate No. 1 of
ONG Colliery, Beside Airport, Hyderabad - 500 018, Andhra Pradesh
Tel. : +91-40-23701737, 8968319773 Fax : +91-40-23791980
Email : hyderabad@skgrl.com

Head Office : "Refractory House",
L.B.S. Marg, Kurta (W),
Mumbai - 400 070, Maharashtra, India
Tel. : +91-22- 26061699 Fax : +91-22- 60202600
Email : info@skgrl.com

Regd. Off. : 214, 2nd Floor,
J. H. Chamber - C, E. A. Road, Madhya Nagar,
Bhopal - 460010, Madhya Pradesh, India
Tel/Fax : +91-732-2236998
E-mail : marketing@skgrl.com



TO WHOMSOEVER IT MAY CONCERN

This is for the information for all concerned that H & R Johnson India, A Division of Prism Johnson Limited, having its factories at Dewas, Kanakal, Kurigal, Per, Sodd, Samba and Durgapur. Head office at Mumbai has an established collaboration and strong industry-institute linkage with the Govt. College of Engg. & Ceramic Technology, 73, A. C. Banerjee Lane, Beliaghata, Kolkata 700010, West Bengal in respect of:

- a) Industrial internships and
- b) Placement of students of Ceramic Technology

This practice is continuing since academic year 2011-12.

For H & R JOHNSON (INDIA)

Authorized Signatory

PRISM JOHNSON LIMITED

H & R Johnson (India) Division

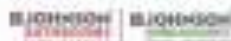
Corporate Office: 7th Floor, Windsor, C.S.T. Road, Khar, Mumbai - 400 056, India.

T: +91-22-433447300 / 24547300

Registered Office: Prism Johnson Limited, 37B, Laxmi Nivas Apartments, Annapur, Hyderabad - 500 016, India.

W: www.prismjohnson.in, www.hiphjohnson.com E: info@prismjohnson.in

CM: L22947707992R1C04403





Date: 19th July 2023

TO WHOMSOEVER IT MAY CONCERN

This information is for all concerned that TRL Krosaki Refractories Limited, having its corporate office at Belpahar, Jharsuguda, Odisha, India, Pin.768218, has an established collaboration and strong Industry-Institute linkage with the Govt. College of Engg. & Ceramic Technology, 73, A. C. Banerjee Lane, Bellaghata, Kolkata 700010, West Bengal in respect of:

- a) Industrial Internships and,
- b) Campus placement of students of Ceramic Technology.

This practice has been continuing since the academic year 2000-2001.

A handwritten signature in black ink, appearing to read 'R.K. Singh', written in a cursive style.

(Dr. R. K. Singh)
Sr. Vice President (HR & IR)

TRL KROSAKI REFRACTORIES LIMITED

CIN-U28010RJ2891LCO00000

Registered Office: Belpahar 768218, Jharsuguda, Odisha, India
Tel. +91 6605 236000/236001/236006

Website: www.trlkrosaki.com



16-07-2023

TO WHOMSOEVER IT MAY CONCERN

This is for information to all concerned that Carborundum Universal Limited(CUMI), having its registered office at 3rd Floor, Parry House, 43 Moore Street, Chennai 600001, has an established collaboration and strong industry-institute linkage with the Govt. College of Engg. & Ceramic Technology(GCECT), 73, A. C. Banerjee Lane, Beliaghata, Kolkata 700010, West Bengal in respect of Placement of students of Ceramic Technology.

For Carborundum Universal Limited

A handwritten signature in black ink, appearing to read "Bhaskaran Kaveri".

Bhaskaran Kaveri
Head- Human Resources



TO WHOMSOEVER IT MAY CONCERN

This is for information for all concerned that Aditya Birla Insulator, having its factory at Prabhas Nagar Rishra has strong industry-institute linkage with the Govt. College of Engg. & Ceramic Technology, 73, A. C. Banerjee Lane, Beliaghata, Kolkata 700010, West Bengal in respect of:

Industrial internships and Industrial Visit as per company requirement. This practice is continuing since academic year 2000-2001.

For Grasim Industries Limited

(Unit Aditya Birla Insulator, Rishra)


Ayan Chowdhury

SH-HR



ADITYA BIRLA INSULATORS
Grasim Industries Limited
Unit - Aditya Birla Insulators

Prabhas Nagar - P.O. / Prabhas Nagar, Rishra, Dist. - Hooghly (WB) | Pin - 712 393, India
Tel. : 91 33 2600 7300, Fax : 91 33 2672 2700
W : www.adityaBirlaInsulators.com / www.grasim.com | CIN : L1712AMF194275L000410
Regd. Office : Bhadrakh, Raigarh - 486 301 (M.P.)



TO WHOMSOEVER IT MAY CONCERN

This is for information for all concerned Calderys India Refractories Limited , having its factory at Calderys India Refractories Ltd, Katni Refractory Works, PO-Katni, C.E., Distt.-Katni, (MP) 483 504, India, Head office at O/o Calderys India Refractories Limited 6th Floor Fidvi Tower, Mount Road, Sadar, Nagpur -440001 (MS), India has an established collaboration and strong industry-institute linkage with the Govt. College of Engg. & Ceramic Technology, 73, A. C. Banerjee Lane, Beliaghata, Kolkata 700010, West Bengal in respect of:

- a) Industrial internships and
- b) Placement of students of Ceramic Technology

This practice has continued since the academic year 2000-2001.

For Calderys India Refractories India Limited

A handwritten signature in blue ink, appearing to read "Arundha Basu", with a long horizontal line extending to the right.

Arundha BASU
Country HR Head - India



SOMANY IMPRESA
GROUP COMPANY

hindware

TO WHOMSOEVER IT MAY CONCERN

This is for information for all concerned that Hindware Limited, having its factory at Bahadurgarh, Dist.-Jhajjar, Haryana-124507, Registered office at #2, Red Cross Place, Kolkata-700001 has an established collaboration and strong industry-institute linkage with the Govt. College of Engg. & Ceramic Technology, 73, A.C. Banerjee Lane, Beliaghata, Kolkata-700010, West Bengal in respect of:

- (a) Industrial relationship and
- (b) Placement of students of Ceramic Technology

This practice is continuing since 1990-91.

For Hindware Ltd.

For HINDWARE LIMITED

Tarun Kumar Raha
Tarun Kumar Raha

Vice President-R&D & Production

Hindware Limited (formerly known as HSL Limited)

Ceramic Division 1, Bahadurgarh, Distt. Jhajjar, Haryana-124507, India. T: +91 276-230485 /86 /87, 232226 /7/8
Registered Office: 2, Red Cross Place, Kolkata-700001, West Bengal, India T: +91 33-22487407/5668
care@hindware.co.in | www.hindware.com | CIN: U74999WB2017PLC223307

TRUFLO
by hindware

hindware *italian*
collection

QUEO



RHI MAGNESITA

DALMIA OCL LTD.
 (A subsidiary of RHI Magnesita India Ltd.)
 201, 219-17, Tower B, BSAAR Digital Greens
 God Course Extension Road, Sector 81,
 Gurgaon, Haryana-122011, India
 T +91 124 4002000
 E corporate.india@rhimagnesita.com
www.rhimagnesita.com

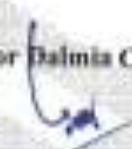
TO WHOMSOEVER IT MAY CONCERN,

This is for information for all concerned that Dalmia OCL Limited, having its factory at Rajgangpur, Dist- Sundargarh, Odisha- 770017, Head office at Tiruchirappalli- Refractory Works, PO- Kallakudi, Tiruchirappalli, Tamil Nadu- 621651 has an established collaboration and strong industry-institute linkage with the Govt. College of Engg. & Ceramic Technology, 73, A. C. Banerjee Lane, Beliaghata, Kolkata 700010, West Bengal in respect of:

- a) Industrial internships and
- b) Placement of students of Ceramic Technology

This practice is continuing since academic year 1982-83

For Dalmia OCL Limited


 Vibhur Prasad
 Dy. Manager- People & Culture





University of Calcutta
Senate House, Kolkata - 700073

Registration Number : 0264/Ph.D.(Tech.)Proceed/2017

Date of Registration : 16th January 2017

Date of Letter : 17th January 2017

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

From:

The Registrar,
 University of Calcutta

To:

Sri Ram Karan
 722, Jatiyonka Bas Bhopalgarh,
 P.S. - Bhopalgarh, Dist. - Jodhpur,
 Rajasthan-342603.



Dear Sir,

I am desired to inform you that you have been granted registration for the Ph.D. programme under this University in
Chemical Technology (Ceramic Engineering)

in terms of 4.8 of the Regulations for the Degree of Doctor of Philosophy (Ph.D.).

This registration shall remain valid for next five years with effect from the date of registration 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

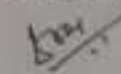
Some Studies On The Preparation And Characterizations Of Melt Derived Bioactive Glass And Glass-Ceramics In SiO_2 - Na_2O - CaO - P_2O_5 System.

Name of the Supervisor : Dr. Kaberi Das

Name of the Joint Supervisor : Dr. Prabir Kumar Maiti

Name of the Associate Supervisor : X

Yours faithfully,


 Registrar

N.B. Please see the instructions overleaf.



पश्चिम बंगाल पश्चिम बंगाल WEST BENGAL

S 621655

Memorandum of Understanding

This Memorandum of Understanding (MoU) is executed at New Delhi this
5th day of July, Two Thousand Sixteen (2016),

between

The Technology Information, Forecasting and Assessment Council, hereinafter called the TIFAC, which is a society registered under the societies Registration Act XXI of 1860 having its registered office at Vishwakarma Bhawan, A-Wing, Shaheed Jeet Singh Marg, New Delhi-110016

and

Government College of Engineering and Ceramic Technology, Government of West Bengal, hereinafter called the Knowledge Partner (KP) and having its registered office at

73, Abinash Chandra Banerjee Lane, Kolkata- 700 010, West Bengal, India.

WHEREAS TIFAC has decided to carry out a Technology Gap Analysis Study on "Technology Gap Analysis Study for the Refractory Cluster – Bangabhoomi, West Bengal" and a Validation Workshop as an integral part of the study for validating the study.

AS CAS the KP has offered its services for carrying out the study and the validation workshop on "Technology Gap Analysis Study for the Refractory Cluster - Bangabhooni, West Bengal" as per the clauses and terms and conditions outlined in this MoU.

Now it is hereby mutually agreed by and between the parties hereto as under:

The KP shall in consideration of the payments to be made to it as hereinafter provided to carry out a technology gap analysis study and a validation workshop on "Technology Gap Analysis Study for the Refractory Cluster - Bangabhooni, West Bengal" and submit a report on its findings and recommendations accompanied by a technology interventions action plan in the MEME class.

1.0 The broad objectives of this study would be to prepare a study report which will include the following:

- (i) To survey the present status of the technologies in the Cluster of Refractory, Bangabhooni, Asansol, West Bengal, used for producing/manufacturing refractory products and comparison of these production/manufacturing technologies with the advanced technologies used by other producers/manufacturers in India as well as abroad as detailed in para 2.1 & 2.2.
- (ii) To find out the existing technological gaps in the product as well as in the manufacturing processes and environmental aspects in the cluster.
- (iii) To bring out the causes of the existing technological gaps, suggest remedial measures and ways to remove these technological gaps and to present specific recommendations and a Technology Interventions Action Plan/Road Map for upgrading the technology of the industries in the cluster.

2.0 Study : Scope, Till and Consultations

The study will focus on the Refractory Cluster - Bangabhooni, West Bengal along with all industries/enterprises/units related to manufacturing/production of all type refractory products in and around Asansol, West Bengal. The study is to be conducted in close consultation/association with the existing industry associations, cluster industries and findings of the study, recommendations and action plan need to be validated by the stakeholders through a Validation Workshop to be conducted in the cluster before finalization of the study report.

2.1 The detailed scope is as below:

- (i) To survey the Refractory Cluster - Bangabhooni, West Bengal, for:
 - Finding out the present status of the product as well as process technologies and environmental aspects.
 - Finding out the existing technological gaps in product as well as in process technologies.
 - Finding out and suggesting the solutions/remedial measures for filling up these technological gaps and the type of technology interventions required in immediate (near term) as well as medium term and long term to upgrade the technology base of the cluster and making it globally competitive.
- (ii) To compile the findings of the survey in the form of a report about the technology status, existing gaps in the technology, possible technical solutions for filling up the gaps, suggestions for technology improvement, detailed action plan for making focused technological interventions in the cluster and mechanism for reaching out to the cluster for projects implementation.
- (iii) The intervention plan to include details of any type of validation, certification, testing (testing of materials etc), energy audit etc, if needed.

- (iv) To recommend a detailed Technology Interventions Action Plan based on findings of the study for upgrading the technology status of the industries in the above mentioned cluster.
- (v) Suggest mechanism/model and methodology to be followed for reaching out to the above mentioned cluster for effective implementation of the action plan and other MSME Program activities of TIFAC.

2.2 Terms of Reference (TOR) for the Study : Refractory Cluster - Bangabhooni, West Bengal

1. Preliminary background information of the Cluster
 - (i) Existing Technology:
 - (ii) Number of industry involved & type of variety of product produced:
 - (iii) Educational Qualification of people involved:
 - (iv) Turnover:
 - (v) Progressive/Potential entrepreneurs
 2. Technology Status, in terms of
 - (i) Energy:
 - (ii) Environment:
 - (iii) Productivity:
 3. Projected Market for the cluster (Experts/ market people need to be associated to integrate the perspective of markets in the study)
 4. Technology Gap Analysis (All the technologies suggested/ recommended should be given in terms of investment required, likely returns and pay back period)
 5. Detailed technology suppliers/ developers. Development cost and time frame.
 6. Recommendations & Action Plan for making focused Technological interventions in the cluster.
 7. Suggestions for constituting mechanism/model and methodology to be followed for reaching out to the cluster by the Knowledge Partner (Academia/Technical Institutes/ Institute/R&D Center) for effective implementation of the Program activities.
- 2.3 The KP shall consult and incorporate the suggestions/inputs of the following during the course of their study as agreed before finalization of the report:
- Relevant Industry Associations active in the cluster.
 - Central and State Govt. Agencies involved with the cluster industries in any manner/capacity
 - Existing industries/units and individual entrepreneurs in the cluster.
 - Reports, studies, R&D actions, policies, schemes etc relevant for the scope of this study.

2.4 Time Frame for the study and validation workshop: Eight (8) Months

The study will be completed within a period of Eight (8) Months (including all study related activities i.e. Awareness Camp/Sensitization Workshop, survey, Validation Workshop etc) from the date of first release from TIFAC after signing of the MoU.

Budgetary Support from TIFAC for all components of the study and the Validation Workshop: Rs. 8.91 lakhs (inclusive of all)

Budget Break Up:

S.No.	Components	Cost (All costs in Lakhs of Rupees)
1.	Manpower Cost (Payment to scientific Staff, Data Collection Staff, Consultants, Typist etc.)	4.25
2.	Travel Cost	1.00
3.	Awareness Camp/Sensitization Workshop (Maximum subject to actual)	0.85
4.	Validation Workshop (Maximum subject to actual)	1.00
5.	Institute Overhead	0.81
6.	Miscellaneous and Contingency (Stationary, Phone/Fax, Printing, Binding etc.) (Maximum subject to actual)	1.00
Total		Rs. 8.91 lakhs

The total cost of the study is Rs 8.91 lakhs; TIFAC's contribution will be limited to the maximum sum of Rs. 8.91 lakhs (inclusive of all) only. No escalation in the cost of study for any reason what so ever is permitted.

5.0 Disbursement of Fund:

The parties herein have agreed that the mode of disbursement of funds to the KP will be as under:

5.1 In consideration of the services of the KP under this study, TIFAC undertake to release a sum of Rs. 8.91 lakhs to the KP on work based payment in the steps as enumerated below :

- 50% of the total cost commitment of TIFAC towards the study will be released after the MoU is signed by both parties.
- 30% of the total cost commitment of TIFAC towards the study will be released after submission and acceptance of the draft report and submission and verification of Utilization Certificate (UC) and Statement of Expenditure (SE).
- 20% of the total cost commitment of TIFAC towards the study will be released after presentation of the findings and recommendations of the draft study report in the Validation Workshop by KP, requisite modification/verification of the draft report, submission of the final study report to TIFAC and its acceptance and fulfillment of other terms and conditions as per the MoU and submission and verification of Utilization Certificate (UC) and Statement of Expenditure (SE).

6.0 It is hereby agreed by the KP that the KP will fulfill the following requirements of TIFAC as part of this study:

- Submit periodic progress report on the study activities.
- Provide presentation material including any written material, slides and other audio visual material as required during the study course.
- Submit 5 hard copies of draft study report. The KP would be required to present /discuss the findings and recommendations of the draft report in the Validation Workshop and at other forums, if required.
- Finalize the study report in line with the discussions with TIFAC and/or feedback from the experts. The submitted final report to be properly endorsed/forwarded by the respective Industry Associations. Five hard copies of the final report along with soft copy in MSWORD/PDF format.

- 24 The Draft and the Final Report of the study to be submitted to TIFAC by the EP to broadly conform to the following guidelines:
- (i) The report will be in the form of a book and will follow standard book pattern including the acknowledgment, index, executive summary, abbreviations used, tables and figures/photographs, chapters, annexure, bibliography/references etc.
 - (ii) The beginning of the report should contain the Executive Summary covering the followings in brief: scope and objective of the study, importance of the study in the current scenario, methodology followed for the study, limitations if any, major observations/findings and results/analysis and brief recommendations and action plan.
 - (iii) The chapters may be classified in line with the scope and coverage given above. The supporting information should not form the part of the main text. It can be given in as Annexure.
 - (iv) A list of key words identified for each chapter should appear at the end of the report.
 - (v) Small brief highlighting the contents of each chapter be given at the beginning of each chapter along with the key words of the chapter.
 - (vi) Separate lists for tables, diagrams, illustrations, figures, photographs etc. (appearing in the report or in the Annexure) be given just after the contents page, at the beginning of the report. Page numbers should also be indicated for each of the tables, diagrams, illustrations, figures etc.
 - (vii) The tables, diagrams, illustrations, figures etc. should also have the key words.
 - (viii) All acronyms and abbreviations used should be expanded at the end of the report under glossary.
 - (ix) Units used in the report should be explained in the beginning of the report in a separate sheet. (Standard international units to be used).
 - (x) All photographs used in the study report should be coloured, good quality and in the standard size for clear visibility.
 - (xi) All the data, tables, figures, photographs, statements and quotes should be authenticated with references. The references should follow the format of any reputed international journal.
 - (xii) All the references should be compiled at the end of the report. The references in the text may be indicated with corresponding serial numbers in square brackets.
 - (xiii) Bibliography to be given at the end of the report.
 - (xiv) The pages in the study report should be in A-4 size, single spaced, neat letter quality printout (Font size 12) and printed on both sides.
 - (xv) Tables, annexes, etc. should be analyzed and discussed in the report in the Results and Discussion Chapter. The report should contain analysis of the data.
 - (xvi) Compilation and dissemination of a document should contain around 100 "Frequently Asked Questions" (FAQ) during interactions of the entrepreneurs and the consultants hired. Questionnaires used for collecting data to be enclosed in the end of the study report as annexure.
 - (xvii) The consolidated response and analysis of primary survey findings along with the methodology used for the survey to be also provided as an Annexure. Sampling methodology and basis of sampling also to be elaborated.

The KP will be available for any help, clarifications required on the study report and for the presentations associated with the study work and will also be available for consultations as required by the indenting authority out of the funds allocated by TIFAC for the purpose of travel. No extra payment to be made for making presentations/discussions/classifications etc. in TIFAC office at any stage till the completion of the study.

- 9.8 The KP shall conduct a Validation Workshop in the Refractory Cluster – Bangabhoeni, West Bengal in connection with this study involving all stakeholders i.e. TIFAC, related Industry Associations, Ministry of Micro, Small and Medium Enterprises, other central and state govt. agencies involved, entrepreneurs, industries/units etc. The workshop to be conducted within the total cost of the study. No extra fund to be allocated from TIFAC for this purpose.
- 10.0 The KP shall carry out the entire work under supervision of TIFAC and shall supply all materials to be used in connection therewith. It is clearly understood that the term "Supervised" will not imply more than physical check-up of the various stages of report preparation and there is no question of interfering or intervening in the creative endeavors of the KP.
- 11.0 The entire study work specified and provided for in these presents shall be executed in the best and most substantial workmanship with materials of the best quality of their respective kinds, agreeable to the particulars contained herein or implied hereby and to such other additions, particulars and instructions as may be found requisite to be given by the indenting authority shall be complied with the KP.
- 12.0 The KP shall give to TIFAC free access to all or any of its offices or studies whether owned or hired by him for the purpose of this study.
- 13.0 This MoU is declared to be specific to the KP.
- 14.0 Upon completion of the said work, the title ownership and right of sale/exploitation of the said work for all territories of the world shall be vested with TIFAC and they would be free to use the work in any manner they like.
- 15.0 **Amendment of the MoU**

No amendment or modification of this MoU shall be valid unless the same is made in writing by both the parties or their authorized representatives and specifically stating the same to be an amendment of this MoU. The modification / changes shall be effective from the date on which they are made/ executed unless otherwise agreed to by both the parties shall be liable to return immediately, the unutilized amount within 30 days of such termination.

16.0 **Short closure or Termination**

TIFAC reserves the right to short close the study project with the KP and terminate the MoU any time during the study period on the ground of under-performance after serving one month written notice to the KP if TIFAC is convinced that the grant has not been properly utilized or appropriate progress is not being made by the KP. In the event of such termination no further disbursement shall be made to the KP and KP will have to return unutilized fund, if any available with them.

17.0 **Force Majeure**

Neither party shall be held responsible for non-fulfillment of their respective obligations under this MoU due to the exigency of one or more of the force majeure events such as but not limited to Acts of God, war, flood, earthquakes, strikes, lockouts, epidemics, riots, civil commotion etc. provided on the occurrence and cessation of any such events, the party affected thereby shall give a notice in writing to the other party within one month of such occurrence or cessation. If the force-majeure conditions continue beyond six months, the parties shall then mutually decide about the future course of action.

A. CERAMIC TECHNOLOGY 2021 – 22



Internship Certificate

This is to certify that,

Mr. Abhirup Mondal

*Pursuing B-Tech in Ceramic Technology from GCECT, Kolkata
has successfully completed Paid Internship on:*

*“Correlation between Thermal Conductivity & Modulus of
Elasticity of High- Alumina Refractory Materials And SIC
Blended High- Alumina Fired Products for Cement Kiln
Application”*

*at TRL Krosaki Refractories Limited, Belpahar during the
period from 15.06.2022 to 05.08.2022.*

We wish him success for all his future endeavors

- For TRL Krosaki Refractories Ltd

A handwritten signature in blue ink, appearing to read 'Abhirup Mondal', is written above a horizontal line.

**Training In charge
HRD Department**

16th Aug 2022



RHI MAGNESITA

RHI MAGNESITA INDIA LTD.
 (Formerly Orient Refractories Ltd.)
 5/1, 1/5, 1/6, Tower B, 6th/6th, Durgam Chouk
 5th Floor, 7, JLN Road, Sarbajit,
 Gurgaon, Haryana-122001, INDIA
 T +91 124 402200
 E info@rhimagnesita.com
www.rhimagnesita.com

RML/HR- R:

DATE: 06/06/2022

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. Aditya Kumar Shew student of 4th year Ceramic Engg. Govt. College of Engg. & Ceramic Technology, (73, A.C. Barwala Link, Kolkata-700010) has successfully completed his Eight Weeks In-Plant training at RHI Magnesita India Ltd. (Formerly Orient Refractories Limited), Bhivadi, Rajasthan for the period of 05th June 2022 to 08th August 2022.

Aditya possesses excellent analytical and observational skills. However, the most striking feature about his personality is his determined mind-set, which is ever ready to take up new challenges. Aditya's workings and findings have been systematic, lucid and clearly delivered. He is a patient listener and quick learner.

With respect to personality, Aditya is well behaved, and an amicable person. To the best of my knowledge, he possesses good organizational skills as well.

I wish him all success in life.

Thanking you,
 For RHI Magnesita India Ltd.

ISHWAR SINGH
 SR. GENERAL MANAGER (PAA)

Registered Office: C-804, Haekech Business Park, Oppa Railway Station, Vidyasagar (West), Mumbai, Maharashtra - 400088. T +91 22 66098800
 F +91 22 66098811. CIN: L26110MH2010PLC110011
 Works: D^o 142/AMB, NCCO Industrial Area, Ghosia, Dist. Jaipur, Rajasthan - 302116, INDIA, T +91 1483-222885/766, F +91 01483-222248



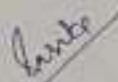
Date: 22nd Aug, 2022

TO WHOM IT MAY CONCERN

This is to certify that Mr. Akash Kumar Patra, Roll No-1001/L20, a student of Govt. College of Engineering & Ceramic Technology, Kolkata, has undergone summer training on the project "Study on the EMS Value of 400KN Disc Insulator" in our organisation from 06th June, 2022 to 22nd Aug, 2022.

During the period of his summer training programme with us, he had been exposed to the different process in our organisation and we found him to be sincere, diligent, and technically sound and result oriented. We take this opportunity to thank and wish him all the best for his career.

For Aditya Birla Insulators


Sarika Thagiria
SH - HR



ADITYA BIRLA INSULATORS
Grasim Industries Limited
Unit - Aditya Birla Insulators
Rahna Works : P.O. : Prabas Nagar, Rahna, Dist. : Hooghly (W.B.), Pin : 712 249, India
Tel. : 91 33 2606 7200, Fax : 91 33 2672 2700
W : www.adityabirlainsulators.com / www.grasim.com | CIN : L17124MP1947PLC000410
Regd. Office : Bilgram, Nagda - 456 331 (M.P.)



01 September, 2022

To whomsoever it may concern

This is to certify that **Mr. Anik Kundu**, has undergone internship in our organization from **06 June 2022 to 03 August 2022**.

He has successfully completed his assigned project titled as below, under the guidance of **Mr. Pintu Das, Deputy General Manager, Merchandise Operations, KRW hub**.

Project : Tunnel Kiln efficiency improvement & firing defects controls.

This certificate is being issued to him on successful completion of his internship.

For Calderys India Refractories Limited

A handwritten signature in blue ink, appearing to read "Umesh Jadhav", written over a horizontal line.

Umesh Jadhav

India Human Resources Director

Calderys India Refractories Ltd.
"Fala Tower", 8th Floor, Opp. Saraf Chambers, Mount Road, Sion, Nagpur-44 001, Maharashtra (INDIA)
Tel: +91 - 712-2628905 | +91-712-2613600 E-mail: info.india@calderys.com Web: www.calderys.co.in
Regd. Office: Sion Refractory Works, P.O. Sion, C. Park Road, Dahanu (Dist. Dahanu) (M.P.)
CIN No: UC296204P2009PL204280



01 September, 2022

To whomsoever it may concern

This is to certify that **Mr. Anik Naha**, has undergone internship in our organization from **06 June 2022 to 05 August 2022**.

He has successfully completed his assigned project titled as below, under the guidance of **Ms. Suparna Basu**, General Manager, QPC, Nagpur hub.

Project : Study of ageing and thermo- mechanical properties of single component phosphate bonded refractory plastics.

This certificate is being issued to him on successful completion of his internship.

For Calderys India Refractories Limited

A handwritten signature in blue ink, appearing to read 'Umesh Jadhav'.

Umesh Jadhav

India Human Resources Director

Calderys India Refractories Ltd.

"Fidel Tower", 8th Floor, Opp. Saraf Chambers, Mount Road, Sada, Nagpur-44 001, Maharashtra (INDIA)
Tel : +91 -712 2529508 : +91-712-2911009 E-mail : info.india@calderys.com Web: www.calderys.co.in
Head Office: Keshavnagar, P.O. Saraf, C.F. 401 104, Gandhinagar, RAIPUR
CIN No. U02200MP2009PLC020005



Date: 22nd Aug, 2022

TO WHOM IT MAY CONCERN

This is to certify that Ms. Anita Sing Mura, Roll No-1002/L20, a student of Govt. College of Engineering & Ceramic Technology, Kolkata, has undergone summer training on the project "Replace the M&D Clay in green body" in our organisation from 08th June, 2022 to 22nd Aug, 2022.

During the period of her summer training programme with us, she had been exposed to the different process in our organisation and we found her to be sincere, diligent, and technically sound and result oriented. We take this opportunity to thank and wish her all the best for her career.

For Aditya Birla Insulators

Sarika Thagiria
SH - HR



ADITYA BIRLA INSULATORS
Grasim Industries Limited
Unit - Aditya Birla Insulators

Raheja Works : PO - Prabas Nagar, Raheja, Dist. Hooghly (WB) | Pin : 712 048, India
Tel : 91 33 2600 7200, Fax : 91 33 2672 2708
W : www.adityabirlainsulators.com | www.grasim.com | DIN : L17124MP1047PLC000418
Regd. Office : Binagran, Raheja - 426 331 (W.P.)





भारतीय इस्पात प्राधिकरण लिमिटेड
(भारत सरकार का उपकरण)

सेल रिफ्रेक्ट्री यूनिट

पता, ए.आई.-सिडिक रोड, दिल्ली
फोन : 230006, फोन-फैक्स : 230006
फैक्स : 230006, 230006, 230006
वेब : 2300-230006



STEEL AUTHORITY OF INDIA LTD.
(A Govt. of India Enterprise)

SAIL REFRACTORY UNIT

BAHARU, P.O. : CIVIC CENTRE
BAHARU - 200006, DISTT. - BHRU (U.P.)
TEL : 6794-234500, 234500
FAX : 6794-237980

No. SAIL/Perf.Cert/2022-177

Date: 15.06.2022

TO WHOM IT MAY CONCERN

This is to certify that Mr. Apur Mahata, 4th Year student of Govt. College of Engineering & Ceramic Technology, Bellaghatta, Kolkata is Ceramic Branch from undergone residential Internship training covering all the departments of SAIL Refractory Unit Dhalai in Manufacturing Of Refractory Bricks, Muzzes and its applications under the guidance of all the respective HODs of SAIL Refractory Unit Dhalai from 05.06.2022 to 05.06.2022.

We wish him all the success in future endeavors.

For Steel Authority of India Limited
SAIL Refractory Unit, Dhalai

(Handwritten Signature)
(Managerial/Exec. Engg.)
SAIL REFRACTORY UNIT
DHALAI
05/06/2022

राष्ट्रीय कार्यालय : इस्पात भवन, लॉकी रोड, नई दिल्ली - 110 002
Regional Office : Steel Bhawan, Lodi Road, New Delhi - 110 002

हा दिल्ली की दिल्ली से पुराना है और

Scanned with CamScanner


STEEL AUTHORITY OF INDIA LIMITED
SAIL REFRACTORY UNIT
(A Govt. of India Enterprise)
P.O. Morar-829117, Dist. Ramgarh (Jharkhand)



Certificate

This is to certify that Sri Argha Chakraborty, Roll no GCECTB-R19-1008, student of Govt. College of Engineering & Ceramic Technology has done projects on "Effect of addition of sintering agent on the properties of Alumina Silicate bricks (62% Al₂O₃)" and "Effect of addition of carbon on the various properties of spinel constables (Mag-Al)" at SRU, IFICO during their training period from 06.06.2022 to 05.08.2022. He took active participation and showed keen interest to complete the projects successfully.

I wish him all success in life.


B. Mahota
DGM (Production)

 **STEEL AUTHORITY OF INDIA LIMITED**
(A Maharatna Company)
SAIL REFRACTORY UNIT IFICO
P.O. NARAI, DIST. RAMGARH (JHARKHAND) - 829117

Ref.No. SRU IFICO/Peris/Trg/2022/466 Dated: 05/08/2022

TO WHOM IT MAY CONCERN

This is to certify that Mr. Argha Chakraborty, student of 3rd year, 6th Sem, Ceramic Technology, Govt. College of Engg. & Ceramic Technology, Kolkata- 700010 has joined under in Summer Training from 06.06.2022 to 05.08.2022 and completed his training programme successfully and satisfactorily.

His behaviour and character was found satisfactory during the training period.

We wish all the success in his life.

(Signature)

A. K. Sinha
Dy. General Manager (Peris. & Admin.)
SRU IFICO & Ranchi Road
(A.K.Sinha)
DGM (P&A)
SRU IFICO & Ranchi Road

TRL  **KROSAKI**

Internship Certificate

This is to certify that,

Mr. Arjun Pal

*Pursuing B-Tech in Ceramic Technology from GCECT,
Kolkata,
has successfully completed Paid Internship on:*

***“Property Evaluation & Optimization of High Alumina
Mortar with Different Doses of Air Setting Additive”***
*at TRL Krosaki Refractories Limited, Belpahar during the
period from 15.06.2022 to 14.08.2022.*

We wish him success for all his future endeavors

- For TRL Krosaki Refractories Ltd



**Training In charge
HRD Department**

16th Aug 2022

भारतीय इस्पात प्राधिकरण लिमिटेड
(भारत सरकार का उपक्रम)

सेल रिफ्रेक्ट्री यूनिट

माराडा, पो.ओ., -मिडिकोट्टूर, बिलासपुर

फोन : 499999, बिलास - दुर्ग (ज.ग.)

दूरभाष : 0788-2269950, 2565555

फैक्स : 0788-2275481



STEEL AUTHORITY OF INDIA LTD.
(A. Govt. of India Enterprise)

SAIL REFRACTORY UNIT

MARAUDA, P.O. : CIVIC CENTRE

BHILAI - 480088, DISTT. - DURG (C.O.)

TEL : 0788-2265550, 2265555

FAX : 0788-2275481

No. BRUB/Pers./Cert/2022-137

Date: 15.06.2022

TO WHOM IT MAY CONCERN

This is to certify that Mr. Ayan Mahata, 4th Year student of Govt. College of Engineering & Ceramic Technology, Balighata, Kolkata in Ceramic Branch has undergone vocational/ Internship training covering all the departments of SAIL Refractory Unit Bhilai in Manufacturing Of Refractory Bricks, Masses and its application under the guidance of all the respective HODs of SAIL, Refractory Unit Bhilai from 06.06.2022 to 06.08.2022.

We wish him all the success in future endeavors.

For Steel Authority of India Limited
SAIL Refractory Unit, Bhilai

(Handwritten Signature)
(Madhusuchana Rao.K)
मधुसुधान राव के.के.
MADHUSUCHANA RAO.K.
उपनिवेश प्रबंधक (स.ए.ए.ए.)
Assistant General Manager (P&A)
सेल रिफ्रेक्ट्री यूनिट, बिलासपुर (ज.ग.)
SAIL/BRU, Bhilai (C.O.)
05/08/2022

पंजीकृत कार्यालय : इस्पात भवन, लोधी रोड, नई दिल्ली - 110 003
Registered Office : Ispat Bhawan, Lodi Road, New Delhi - 110 003

हर दिल्ली की निन्दी से जुड़ा है स्टील

Scanned with CamScanner



Date: 8th September 2022

To Whomsoever It May Concern

This is to certify that Mr. Biswajit Dandapat, a Fourth year student of Bachelor of Technology with specialization in Ceramic Technology from Government college of Engineering & Ceramic Technology has undergone 12 weeks of Summer Internship Program in our company from 6th June to 8th September, 2022. He has worked on the various project in 'Operations Domain'. He was found to be very sincere and has satisfactorily completed his project work as per the schedule.

We wish him every success in his future endeavors and academic career.

David Chakma

Senior Manager- Human Resources



VESUVIUS INDIA LTD. P-104, TARATALA ROAD, KOLKATA - 700 096, WEST BENGAL, INDIA
 Contact No. 0332241085/03322410875 Fax No. 0332241011/0332

Company Registration No. 120A2201191111/19/09
 Company Email: info@vesuviusindia.com
 Website: www.vesuviusindia.com



भारतीय इस्पात प्राधिकरण लिमिटेड
(भारत सरकार का उपक्रम)



सेल रिफ्रेक्ट्री यूनिट

मराउदा, पो.ऑ. - सिविक सेन्टर, भिलाई
पिन : 490006, जिला - दुर्ग (छ.ग.)
दूरभाष : 0788-2265550, 2265555
फैक्स : 0788-2275491

STEEL AUTHORITY OF INDIA LTD.
(A. Govt. of India Enterprise)

SAIL REFRACTORY UNIT

MARAUDA, P.O. : CIVIC CENTRE
BHILAI - 490006, DISTT.- DURG (C.G.)
TEL : 0788-2265550, 2265555
FAX : 0788-2275491

No: SRUB/Pers./Cert/2022- 139

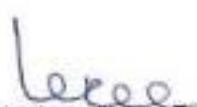
Date: 06.08.2022

TO WHOM IT MAY CONCERN

This is to certify that *Mr. Debasish Dey* 4th Year student of Govt. College of Engineering & Ceramic Technology, Beliaghata, Kolkata in Ceramic Branch has undergone vocational/ Internship training covering all the departments of SAIL Refractory Unit Bhilai in Manufacturing Of Refractory Bricks, Masses and its application under the guidance of all the respective HODs of SAIL Refractory Unit Bhilai from 06.06.2022 to 05.08.2022.

We wish him all the success in future endeavors.

For Steel Authority of India Limited
SAIL Refractory Unit, Bhilai


मधुसूदन (Madhusudhana Rao.K)
MADHUSUDHANA AGM (P&A)
सहायक महाप्रबंधक (आ.एवं प्रस.)
Assistant General Manager (P&A)
सेल रिफ्रेक्ट्री यूनिट, भिलाई (छ.ग.)
SAILSRU, Bhilai (C.G.)

05/08/2022

पंजीकृत कार्यालय : इस्पात भवन, लोधी रोड, नई दिल्ली - 110 003
Registered Office : Ispat Bhawan, Lodhi Road, New Delhi - 110 003

हर किसी की जिन्दगी से जुड़ा है स्टील

भारतीय इस्पात प्राधिकरण लिमिटेड
(भारत सरकार का उपक्रम)



STEEL AUTHORITY OF INDIA LTD.
(A. Govt. of India Enterprise)

सेल रिफ्रेक्ट्री यूनिट

SAIL REFRACTORY UNIT

मरोडा, पो.ओ. - सिविक सेंटर, भिलाई
पिन : 490006, जिला - दुर्ग (छ.ग.)
दूरभाष : 0788-2265550, 2265555
फैक्स : 0788-2275491

MARAUDA, P.O. : CIVIC CENTRE
BHILAI - 490006, DISTT.- DURG (C.G.)
TEL : 0788-2265550, 2265555
FAX : 0788-2275491

No: SRUB/Pers./Cert/2022- 136.

Date: 05.08.2022

TO WHOM IT MAY CONCERN

This is to certify that *Mr. Deep Das*, 4th Year student of Govt. College of Engineering & Ceramic Technology, Bellaghata, Kolkata in Ceramic Branch has undergone vocational/ Internship training covering all the departments of **SAIL Refractory Unit Bhilai in Manufacturing Of Refractory Bricks, Masses and its application** under the guidance of all the respective HODs of SAIL Refractory Unit Bhilai from **06.06.2022 to 05.08.2022**.

We wish him all the success in future endeavors.

For Steel Authority of India Limited
SAIL Refractory Unit, Bhilai


(Madhusudhana Rao K)

AGM (P&A)
MADHUSUDHANA RAO KOSI 05/08/2022
सहायक महाप्रबन्धक (आ.एवं प्रशा.)
Assistant General Manager (P&A)
सेल रिफ्रेक्ट्री यूनिट, भिलाई (छ.ग.)
SAIL/SRU, Bhilai (C.G.)

पंजीकृत कार्यालय : इस्पात भवन, लोधी रोड, नई दिल्ली - 110 003
Registered Office : Ispat Bhawan, Lodhi Road, New Delhi - 110 003

हर किसी की जिन्दगी से जुड़ा है स्टील



Ref No: PJ-HR/ADMIN & ADMIN/CERT/2022/56

Date: 30/07/2022

TO WHOM SO IT MAY CONCERN

This is to certify that **Mr. Dev Saha**, 3rd year (**B Tech in Ceramics Engg. and Technology**), Govt. College of Engg. & Ceramic Technology, West Bengal, has successfully completed his 55 days Internship Program in our organization from 06/06/2022 to 30/07/2022.

During his training period with us we found him sincere and hard working.

The Company wishes the employee all the best for his future endeavors.

**FOR PRISM JOHNSON LIMITED
H & R Johnson (India) Division**


ARVIND JOSHI
ASSOCIATE VICE PRESIDENT (HR & ADMIN)

PRISM JOHNSON LIMITED

H & R Johnson (India) Division

Corporate Office (Prism Window GST) East India Services Pvt. Limited, 40/11/18, 1st

Floor, 22, Sector 15, Gurgaon, Haryana

Registered Office: Prism Johnson Limited, 300, Canal Road, Apartment No. 10, Sector 15, Gurgaon, Haryana

Website: www.prismwindow.com | www.prismwindow.com

Prism Johnson Limited, 300, Canal Road, Apartment No. 10, Sector 15, Gurgaon, Haryana



RHI MAGNESITA

RHI MAGNESITA INDIA LTD.

(Formerly Orient Refractories Ltd.)
 9th, 3rd Fl, Tower B, Global Digital Towers
 Salt Lake Electronic Road, Sector 01,
 Salt Lake, Kolkata-700091, 4838
 T: +91 33 432222
 E: india@rhimagnesita.com
www.rhimagnesita.com

RHI/HR/ R:

DATE: 06/08/2022

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. Jyotshman Sankar student of 4th year Ceramic Engg., Govt. College of Engg & Ceramic Technology, (73, A.C. Banerjee Lane, Kolkata-700010) has successfully completed his Eight Weeks In-Plant training at RHI Magnesita India Ltd. (Formerly Orient Refractories Limited) Birsa, Rajshahi for the period of 06th June 2022 to 06th August 2022.

Jyotshman possesses excellent analytical and observational skills. However, the most striking feature about his personality is his determined mind-set, which is ever ready to take up new challenges. Jyotshman's writings and findings have been systematic, hard and clearly defined. He is a patient listener and quick worker.

With respect to personality, Jyotshman is well behaved, and an amiable person. To the best of my knowledge, he possesses good organizational skills as well.

I wish him all success in life.

Thanking you,
 For RHI Magnesita India Ltd.

ISHWAR SINGH
 Sr. GENERAL MANAGER (P&A)



Internship Certificate

This is to certify that,

Mr. Karan Sharangi

*Pursuing B-Tech in Ceramic Technology from GCECT,
Kolkata,*

has successfully completed Paid Internship on:

***“Study the Effect of Different Carbon Additives in Dolo-
Carbon Unburnt Brick”***

*at TRL Krosaki Refractories Limited, Belpahar during the
period from 15.06.2022 to 14.08.2022.*

We wish him success for all his future endeavors

- For TRL Krosaki Refractories Ltd

A handwritten signature in blue ink, appearing to read 'Anita', written over a horizontal blue line.

**Training In charge
HRD Department**

16th Aug 2022



RHI MAGNESITA

RHI MAGNESITA INDIA LTD.
 (Formerly Orient Refractories Ltd.)
 301, 316-15, Tower B, Emaar Digital Greens
 Golf Course Extension Road, Sector 61,
 Gurgaon, Haryana-122011, INDIA
 T +91 124 4062930
 E corporate.india@rhimagnesita.com
 www.rhimagnesita.com

RMIL-HR: R:

DATE: 06/08/2022

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. Krishna Kumar Mondal student of 4th year Ceramic Engg. Govt. College of Engg. & Ceramic Technology, (73, A C Banerjee Lane, Kolkata-700010) has successfully completed his Eight Weeks In-Plant training at RHI Magnesita India Ltd., (Formerly Orient Refractories Limited) Bhiwadi, Rajasthan for the period of 06th June 2022 to 06th August 2022.

Krishna possesses excellent analytical and observational skills. However, the most striking feature about his personality is her determined mind-set, which is ever ready to take up new challenges. Krishna's workings and findings have been systematic, lucid and clearly delivered. He is a patient listener and quick learner.

With respect to personality, Krishna is well behaved, and an amicable person. To the best of my knowledge, he possesses good organizational skills as well.

I wish him all success in life.

Thanking you,
 For RHI Magnesita India Ltd.

ISHWAR SINGH
SR. GENERAL MANAGER (P&A)



Ref No: PJL/HR/PJ/HR & ADMIN/CERTI/2022/55

Date:- 30/07/2022

TO WHOM SO IT MAY CONCERN

This is to certify that **Mr. Pritam Biswas**, 3rd year (**B Tech in Ceramics Engg. and Technology**), Govt. College of Engg. & Ceramic Technology, West Bengal, has successfully completed his 55 days Internship Program in our organization from **06/06/2022 to 30/07/2022**.

During his training period with us we found him sincere and hard working.

The Company wishes the employee all the best for his future endeavors.

FOR PRISM JOHNSON LIMITED
H & R Johnson (India) Division


ARVIND JOSHI
ASSOCIATE VICE PRESIDENT (HR & ADMIN)



PRISM JOHNSON LIMITED
H & R Johnson (India) Division
Corporate Office: 7th Floor, Western C.S.T Road, Khar, Sakinaka (E), Mumbai - 400 038, India
T: +91 22-82647300 / 26547300
Residential Office: Prism Johnson Limited, 309, Laxmi Nagar Apartments, Anandpur, Hyderabad - 500 036, India
W: www.prismjohnson.in www.prismjohnson.com E: info@prismjohnson.in

ICN: L26947CG99291C014033



29 August, 2022

To whomsoever it may concern

This is to certify that Mr. Pritam Ghosh, has undergone internship in our organization from 06 June 2022 to 03 August 2022.

He has successfully completed his assigned projects titled as below, under the guidance of Mr. Gaurav Sinha, Deputy General Manager, QPC, KRW hub.

Project : 1. Literature review on Creep
2. Thermal Conductivity of Castables by Different Methods

This certificate is being issued to him on successful completion of his internship.

For Calderys India Refractories Limited

A handwritten signature in blue ink, appearing to read "Umesh Jadhav", written over a horizontal line.

Umesh Jadhav

India Human Resources Director

Calderys India Refractories Ltd.
"Fidel Tower", 8th Floor, Opp. Saral Chambers, Mount Road, Sector- Nagpur-44 001, Maharashtra (INDIA)
Tel : +91 -712-2629606 | +91-712-2915600 E-mail : info.india@calderys.com Web: www.calderys.co.in
Regd. Office: Koro Refractory Works, P.O. Koro, C.T. 480 504, District-Koro (M.P.)
CIN No. U02024MP2009PLC211988



29 August, 2022

To whomsoever it may concern

This is to certify that Mr. Rishav Jain, has undergone internship in our organization from 06 June 2022 to 03 August 2022.

He has successfully completed his assigned project titled as below, under the guidance of Mr. Soumoditya Das, Production Head, KRW hub.

Project : Mass Balancing in Refractory Crushing Circuit (RCC)

This certificate is being issued to him on successful completion of his internship.

For Calderys India Refractories Limited

A handwritten signature in blue ink, appearing to read "Umesh Jadhav".

Umesh Jadhav

India Human Resources Director

Calderys India Refractories Ltd.
"Tide Tower", 6th Floor, Opp. Saral Chambers, Mount Road, Sion, Nagpur-44 001, Maharashtra (INDIA)
Tel : +91 -712-2629606 | +91-712-2611600 E-mail : info.india@calderys.com Web: www.calderys.co.in
Road Office: 4km Refractory Works, P.O. Karkh, C.F. 480 004, Durgam-Chandrapur (M.P.)
CIN No. UJ22047M2009PLC211668

30TH JULY 2022


C E R T I F I C A T E
T O W H O M I T M A Y C O N C E R N

This is to certify that **Mr. Ritobroto Mukherjee** (Roll No.: GCECTB-R19-1022), student of Govt. College of Engg. & Ceramic Technology, Kolkata, has successfully completed his Internship on **"Reducing the average grinding time of ball mills"** for the period from 6th June, 2022 to 30th July, 2022 under the guidance of Mr. Praveen P. Khyalappa, Associate Vice President (Operations) and Mr. B. Ramalinga Reddy, Vice President (Operations).

During the period we found him very hardworking, sincere & Inquisitive.

We wish him all the best in his future endeavour.

for **PRISM JOHNSON LIMITED**
H & R JOHNSON (INDIA) DIVISION


K.M.PRASAD
MANAGER (HR & ADMN)
& FACTORY MANAGER

PRISM JOHNSON LIMITED

H & R Johnson (India) Division

Unit - 1, Plot No. T-12/3328 Industrial Area, Kungal - 571 026, Karnataka, India
T: +91 90759144

Corporate Office: 7th Floor, Westin, C.S.T. Road, Rajin, Sarjapur (E), Mysuru - 400 098, India
T: +91 22-4064 7300 / 3834 7300

Registered Office: Prism Johnson Limited, 305, Laxmi Niwas Apartments, Amarnath, Hyderabad - 500 096, India
W: www.prismjohnson.in, www.johnson.com E: info@prismjohnson.in

JOHNSON INDIA | JOHNSON INDIA | JOHNSON INDIA
INDIA | INDIA | INDIA

JOHNSON INDIA | JOHNSON INDIA



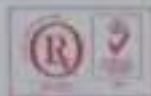
Dated: 12th October 2022

To Whomsoever It May Concern

This is to certify that Ms. Riya Das, a Third year student of Bachelor of Technology with specialization in Ceramic Technology from Government College of Engineering and Ceramic Technology has undergone 16 weeks of Summer Internship Program in our company from 6th June to 12th October, 2022. She has worked on the various project in 'Operations Domain'. She was found to be very sincere and has satisfactorily completed her project work as per the schedule.

We wish her every success in her future endeavors and academic career.

David Chakma
Senior Manager- Human Resources





RGF/HR/UT/TG/01

July 30th, 2022

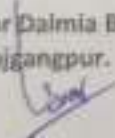
TO WHOM SO EVER IT MAY CONCERN

This is to certify that Rupayan Roy, Roll No: GCECTB – R19 - 1025, B Tech student of Government college of Engineering and Ceramic Technology, Kolkata, WB, has successfully completed his Summer Internship Program project titled **Attack of Gaseous Chlorine on Magnesia Alumina Spinel Bricks & Variation in the Properties of Magnesia- Chrome Bricks in Magnesium Sulphate treatment** in our Technology Department, Refractory Works, Rajgangpur from 6th June 2022 to 30th July 2022 and his summer training project is found to be exceptional.

During the period of training he was found diligent, sincere and hard working.

We wish all the best for every success in his career.

For Dalmia Bharat Refractories Limited
Rajgangpur.


Abhishek Kr Mishra
Head- HR & IR





Internship Certificate

This is to certify that,

Mr. Sagnik Ghosh

*Pursuing B-Tech in Ceramic Technology from GCECT, Kolkata
has successfully completed Paid Internship on:*

***“Correlation between Thermal Conductivity & Modulus of
Elasticity of High- Alumina Refractory Materials And SIC
Blended High- Alumina Fired Products for Cement Kiln
Application”***

*at TRL Krosaki Refractories Limited, Belpahar during the
period from 15.06.2022 to 14.08.2022.*

We wish him success for all his future endeavors

- For TRL Krosaki Refractories Ltd

A handwritten signature in blue ink, appearing to read 'Anita', is written over a horizontal line.

**Training In charge
HRD Department**

16th Aug 2022



SGP/HR/UT/TG/01


July 30th, 2022

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Sayan Mandal**, Roll No: GCECTB – R19 - 1027, B Tech student of Government college of Engineering and Ceramic Technology, Kolkata, WB, has successfully completed his Summer Internship Program project titled **Attack of Gaseous Chlorine on Magnesia Alumina Spinel Bricks & Variation in the Properties of Magnesia- Chrome Bricks in Magnesium Sulphate treatment** in our Technology Department, Refractory Works, Rajgangpur from 5th June 2022 to 30th July 2022 and his summer training project is found to be exceptional.

During the period of training he was found diligent, sincere and hard working. We wish all the best for every success in his career.

For **Dalmia Bharat Refractories Limited**
Rajgangpur.


Abhishek Kr Mishra
Head- HR & IR



Date: 06.08.2022

TO WHOM IT MAY CONCERN

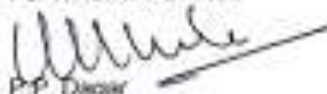
This is to certify that as per request of Training & Placement officer, Govt. College of Engg. & Ceramic Technology Kolkata by email dated 11.05.2022 Mr. Shambhu Ram Barman a B.Tech (Ceramic Technology) student of Govt. College of Engg. & Ceramic Technology, Kolkata has undergone summer training in our Production Department which is in accordance with his syllabus.

The above summer training is for the period from 06.06.2022 to 05.08.2022.

During the training period he has shown keen interest in his assignment and also regular in attendance.

We wish him all success in future.

For Hindware Limited



P.P. Dagar
Sr. GM-IR

Hindware Limited (formerly known as Brilloca Limited)

Corporate Office: 301-302, 3rd Floor, Park Centre, Sector-50, NH 8, Gurugram, Haryana-122 001, India. T. +91 124 477 4100

Registered Office: 2, Red Cross Place, Kolkata-700001, West Bengal, India T. +91 33-22467407/5668

care@hindware.co.in | www.hindware.com | CIN: U74999WB2010PLC225507

TRUFLO[®]
by hindware

hindware *italian*
collection

QUEO

भारतीय इस्पात प्राधिकरण लिमिटेड
(भारत सरकार का उपक्रम)

सेल रिफ्रेक्ट्री यूनिट

मराडा, पो.ओ. - सिविक सेंटर, भिलाई
पिन : 490004, जिला - दुर्ग (छ.प्र.)
दूरभाष : 0788-2265550, 2265555
फैक्स : 0788-2275491



सेल SAIL

STEEL AUTHORITY OF INDIA LTD.
(A. Govt. of India Enterprise)

SAIL REFRACTORY UNIT

MARAUDA, P.O. : CIVIC CENTRE
BHILAI - 490004, DISTT. - DURG (C.G.)
TEL : 0788-2265550, 2265555
FAX : 0788-2275491

No: SRUB/Pers./Cert/2022- 176

Date: 15.06.2022

TO WHOM IT MAY CONCERN

This is to certify that *Mr. Shivam Barua*, 4th Year student of Govt. College of Engineering & Ceramic Technology, Bellaghata, Kolkata in Ceramic Branch has undergone vocational/ Internship training covering all the departments of **SAIL Refractory Unit Bhilai in Manufacturing Of Refractory Bricks, Masses and its application** under the guidance of all the respective HODs of SAIL Refractory Unit Bhilai from 06.06.2022 to 05.08.2022.

We wish him all the success in future endeavors.

For Steel Authority of India Limited
SAIL Refractory Unit, Bhilai

Madhusudhana Rao
मधुसूदन (Madhusudhana Rao.K)
MADHUSUDHANA RAO (P.SA)
अधीनस्थ प्रबन्धक (अ.प्र. प्र.)
Assistant General Manager (P.SA)
सेल रिफ्रेक्ट्री युनिट, भिलाई (छ.प्र.)
SAIL/RL/Bhilai (C.G.)

05/08/2022

पंजीकृत कार्यालय : इस्पात भवन, लोधी रोड, नई दिल्ली - 110 003
Registered Office : Ispat Bhawan, Lodhi Road, New Delhi - 110 003

हर किसी की जिन्दगी से जुड़ा है खीरल




Date: 22nd Aug, 2022

TO WHOM IT MAY CONCERN

This is to certify that Mr. Subho Poddar, Roll No-1009/L20, a student of Govt. College of Engineering & Ceramic Technology, Kolkata, has undergone summer training on the project "**Study on any optimization possibility of zircon in brown glaze**" in our organisation from **06th June, 2022 to 22nd Aug, 2022.**

During the period of his summer training programme with us, he had been exposed to the different process in our organisation and we found him to be sincere, diligent, and technically sound and result oriented. We take this opportunity to thank and wish him all the best for his career.

For Aditya Birla Insulators


Sarika Thagiria
SH - HR



ADITYA BIRLA INSULATORS

Gracem Industries Limited
Unit - Aditya Birla Insulators

Rishra Works - P.O. - Patis Nagari, Rishra, Dist. - Hooghly (WB), Pin - 712 248, India
Tel. : 91 33 2600 7200, Fax : 91 33 2672 2705

W : www.adityabirlainsulators.com / www.gracem.com | CIN : L17524NP1047PLC000410
Regd. Office - Biligram, Nagra - 456 331 (M.P.)



30 August, 2022

To whomsoever it may concern

This is to certify that Mr. Subhdeep Santra, has undergone internship in our organization from 06 June 2022 to 06 August 2022.

He has successfully completed his assigned project titled as below, under the guidance of Mr. Chiranjib Mandal, Production Head, Nagpur hub.

Project : Waste identification of Line 2 and optimizing them.

This certificate is being issued to him on successful completion of his internship.

For Calderys India Refractories Limited

A handwritten signature in blue ink, appearing to read "Umesh Jadhav".

Umesh Jadhav

India Human Resources Director

Calderys India Refractories Ltd.
"Tide Tower", 8th Floor, Opp. Saral Chambers, Mount Road, Sadga, Nagpur-44001, Maharashtra (INDIA)
Tel: +91-712-2029000 | +91-712-2815000 E-mail: info.india@calderys.com Web: www.calderys.co.in
Head Office: 40th Refractory Works, P.O. Kani, C.7489304, Dahanu-Karnataka
CIN No. U02009MH2009PL201980



SOMANY IMPRESA
GROUP COMPANY

hindware

Date: 06.08.2022

TO WHOM IT MAY CONCERN

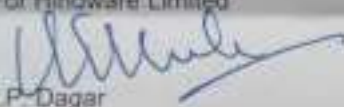
This is to certify that as per request of Training & Placement officer, Govt. College of Engg. & Ceramic Technology Kolkata by email dated 11.05.2022 Mr. Suvrajit Biswas a B.Tech (Ceramic Technology) student of Govt. College of Engg. & Ceramic Technology, Kolkata has undergone summer training in our Production Department which is in accordance with his syllabus.

The above summer training is for the period from 06.06.2022 to 06.08.2022.

During the training period he has shown keen interest in his assignment and also regular in attendance.

We wish him all success in future.

For Hindware Limited


P.P. Dagar
Sr. GM-IR

Hindware Limited (formerly known as Brilloca Limited)

Corporate Office: 305-307, 3rd Floor, Park Centre, Sector-30, NH 8, Gurugram, Haryana-122 001, India. T. +91 124 477 9200

Registered Office: 2, Red Cross Place, Kolkata-700001, West Bengal, India T. +91 33-22487407/5668

care@hindware.co.in | www.hindware.com | CIN: U74999WB2017PLC223307

TRUFLO
by fashion

hindware *italian*
collection

QUEO



Internship Certificate

This is to certify that,

Mr. Tanmoy Bhuinya

*Pursuing B-Tech in Ceramic Technology from GCECT,
Kolkata,*

has successfully completed Paid Internship on:

***"Studies on Modulus of Elasticity & Packing Behaviour of
MgO-C Refractories in Presence of Different Quantity of
Graphite"***

*at TRL Krosaki Refractories Limited, Belpahar during the
period from 15.06.2022 to 14.08.2022.*

We wish him success for all his future endeavors

- For TRL Krosaki Refractories Ltd

A handwritten signature in blue ink, appearing to read 'Tanmoy Bhuinya', is written over a horizontal blue line.

**Training In charge
HRD Department**

16th Aug 2022

B. INFORMATION TECHNOLOGY 2021 – 22

























































Certificate of Completion

This is to certify that Mr./Ms. Ali Ayesh Pervez, a student of Government College of Engineering and Ceramic Technology has scored 50 marks out of 50 and successfully completed the 2 Months training on Web Development.

03/09/2021

Date

Handwritten signature of Rahul Singh in blue ink.

Rahul Singh
Mentor, BOLT IIT

Handwritten signature of Pranav Rai Vernekar in blue ink.

Pranav Rai Vernekar
CEO, BOLT IIT



3285AB71D01085A15780751A0CFDE2



Certificate of Completion

This is to certify that Mr./Ms. Subrata Maji, a student of Government College Of Engineering and Ceramic Technology has scored 50 marks out of 50 and successfully completed the 2 Months training on Web Development.

09/09/2021

Date

Handwritten signature of Rahul Singh in blue ink.

Rahul Singh
Mentor, BOLT IIT

Handwritten signature of Pranav Rai Vernekar in blue ink.

Pranav Rai Vernekar
CEO, BOLT IIT



AF62D449C504820052AC5741E8E8









**LEARNOVATE ECOMMERCE**

CERTIFICATE OF INTERNSHIP

We present this certificate to

Anirban Mondal

in appreciation for your work as a WEB DEVELOPER Intern at Learnovate. You have shown true commitment and diligence during the course of this internship and have successfully completed all the assigned tasks. The internship was conducted between 28/06/2021 to 27/08/2021.

27 AUGUST 2021



RAVI SINGH
FOUNDER

www.learnovateecommerce.com

**LEARNOVATE ECOMMERCE**

CERTIFICATE OF INTERNSHIP

We present this certificate to

Dipankar Raj

in appreciation for your work as a WEB DEVELOPER Intern at Learnovate. You have shown true commitment and diligence during the course of this internship and have successfully completed all the assigned tasks. The internship was conducted between 28/06/2021 to 27/08/2021.

27 AUGUST 2021



RAVI SINGH
FOUNDER

www.learnovateecommerce.com

**LEARNOVATE ECOMMERCE**

CERTIFICATE OF INTERNSHIP

We present this certificate to

Zarif Hossain

in appreciation for your work as a WEB DEVELOPER Intern at Learnovate. You have shown true commitment and diligence during the course of this internship and have successfully completed all the assigned tasks. The internship was conducted between 28/06/2021 to 27/08/2021.

27 AUGUST 2021



RAVI SINGH
FOUNDER

www.learnovateecommerce.com

C. COMPUTER SCIENCE & ENGINEERING 2021 – 22





Udemy Inc. 2019. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, without the prior written permission of the publisher.

CERTIFICATE OF COMPLETION

The complete React Native course (2021 edition)

Instructor: Coding Revolution

Puspita Polley

Date: Aug. 30, 2021
Length: 42.8 total hours



Certificate of Completion
Certificate of Completion
Reference Number: 0004

CERTIFICATE OF COMPLETION

Learn Data Science Deep Learning, Machine Learning NLP & R

Instructors: Cinnamon TechX

Tirthadweep Pramanick

Date: Sept. 14, 2021

Length: 70.5 total hours



Certificate ID: UC-602608-988-4-813-471-08040040211
Certificate URL: udemy/c/certificate/602608-988-4-813-471-08040040211
Reference Number: 0024

CERTIFICATE OF COMPLETION

Mastering Data Structures & Algorithms using C and C++

Instructors: **Abdul Bari**

Ritwick Mondal

Date: **Sept. 14, 2021**

Length: **58.5 total hours**



Certificate ID: 4049774-950-476-000-000079400
Certificate URL: <https://www.udemy.com/certificate/UC-4049774-950-476-000-000079400/>
Reference Number: 0004

CERTIFICATE OF COMPLETION

Mastering Data Structures & Algorithms using C and C++

Instructors: **Abdul Bari**

Swatik Ganguly

Date: **Sept. 14, 2021**

Length: **58.5 total hours**



Aug 18, 2022

Akash Roy

has successfully completed

Custom Models, Layers, and Loss Functions with TensorFlow

an online non-credit course authorized by DeepLearning.AI and offered through Coursera

COURSE
CERTIFICATE



Leanne Moroney *ESQ* 

Leanne Moroney
Lead AI Research Engineer

Ed by Deep
Executive Director, DeepLearning.AI

Verify at:
<https://coursera.org/verify/CXC4K9F226>

Coursera has verified the identity of this individual and their
affiliation to the best of our knowledge.

Duke
UNIVERSITY

30 Aug. 2022

DEBSMITA BANERJEE

has successfully completed with honors

**Programming Foundations with JavaScript, HTML
and CSS**

an online non-credit course authorized by Duke University and offered through Coursera



Robert David, Professor of the Division of Computer Science
Robert David, Lecturer, Computer Science
David Abrahamson, Professor of the Division of Computer Science
Andrew S. Miller, Associate Professor of the Practice, Electrical and Computer Engineering

**COURSE
CERTIFICATE**

9001K3M4E7WV



Verify at coursera.org/verify/9001K3M4E7WV

Coursera has confirmed the identity of this individual and their participation in the course.



Certificate of Completion

This is to certify that Mr./Ms. Dwaipayan Mondal, a student of Government College of Engineering and Ceramic Technology has scored 50 marks out of 50 and successfully completed the 2 Months training on Web Development.

02/09/2021

Date

Handwritten signature of Rahul Singh in black ink.

Rahul Singh
Mentor, Bolt IIT

Handwritten signature of Pranav Poo Vernekar in black ink.

Pranav Poo Vernekar
CEO, Bolt IIT



EC4E1E79C341DC86A27FC2E7212DBF



Duke
UNIVERSITY

Aug 17, 2021

Jacques Narjinary

has successfully completed with honors

Java Programming: Solving Problems with Software

an online non-credit course authorized by Duke University and offered through Coursera

James H. Rodgers

James H. Rodgers, Duke University, Andrew G. Wilson, Robert Gould

COURSE
CERTIFICATE

2021-2022



Verify at coursera.org/verify/2521HJ8N48V6

Coursera has confirmed the identity of this individual and their participation in the course.



Certificate ID: UC-92940771423-4278-92940771423
Certificate URL: <https://www.udacity.com/certificate/UC-92940771423-4278-92940771423>
Reference Number: 9294

CERTIFICATE OF COMPLETION

Learn JAVA Programming - Beginner to Master

Instructors: **Abdul Bari**

Ogneev Bhadra

Date: **Sept. 15, 2021**

Length: **61.5 total hours**





Certificate ID: 0-0-00000-000-000-000-000000000000
Certificate URL: udemy/certificate/0-0-00000-000-000-000-000000000000
Reference Number: 0000

CERTIFICATE OF COMPLETION

Machine Learning A-Z™: Hands-On Python & R In Data Science

Instructors: Kirill Eremlenko, Hadelin de Ponteves, SuperDataScience Support, Ligency Team

Sayan Mondal

Date: Sept. 17, 2021

Length: 44.5 total hours



Aug 31, 2021

SAYANTAN ROY

has successfully completed

Neural Networks and Deep Learning

an online university course authorized by DeepLearning.AI and offered through Coursera

A handwritten signature in blue ink, appearing to read 'Andrew Ng'.

Andrew Ng, Executive, DeepLearning.AI & Senior Lecturer
Stanford University, Co-founder, Hinton
Twitter: @AndrewNg, Coursera.org/andrewng

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/CUMTS13P8DC>

Coursera has confirmed the identity of this individual and their participation in the course.



Aug 25, 2021

Sombit Bose

has successfully completed

Natural Language Processing with Sequence Models

an online non-credit course authorized by DeepLearning.AI and offered through Coursera

A handwritten signature in black ink that reads 'Sombit Bose'.

Sombit Bose, M.S., Doctoral Student at Stanford University
Former Senior Staff Research Scientist at Google News and Chief AI Scientist at IBM

COURSE
CERTIFICATE



Verify at coursera.org/verify/14TGD0F81Z3M4

Coursera has confirmed the identity of this individual and their participation in the course.

CERTIFICATE OF COMPLETION

This is to certify that

Moumita Das

has successfully completed the course

Machine Learning Certification Course for Beginners



2021-09-15

Date

A handwritten signature in black ink, appearing to read "K. G. Srinivas".

Founder & CEO, Analytics Vidhya

1jmmh4p4le

Certification ID



Certificate of Completion

This is to certify that Mr./Ms. Rajashi Chatterjee, a student of Government College of Engineering & Ceramic Technology has scored 49 marks out of 50 and successfully completed the 2 Months training on Web Development.

10/08/2021

Date

Handwritten signature of Rahul Singh in black ink.

Rahul Singh
Mentor, BOLT

Handwritten signature of Pranav Pal Vernekar in black ink.

Pranav Pal Vernekar
CEO, BOLT



4C6184E9654C3CA37825A0000217CB

A. CERAMIC TECHNOLOGY 2020 – 21



Date: 14th October 2021

To Whomsoever It May Concern

This is to certify that Mr. Rish Roy, a final year student of Bachelor of Technology with specialization in Ceramic Engineering from Government College of Engineering & Ceramic Technology has undergone 5 months Summer Internship Program in our company from 12th July to 10th December, 2021. He has worked on the various project in "Operations Domain". He was found to be very sincere and has satisfactorily completed his project work as per the schedule.

We wish him every success in his future endeavors and academic career.

David Chakma

Senior Manager- Human Resources



HEAD OFFICE: 1, 104, SILENTA ROAD, KILKARA - 701 004, WEST BENGAL, INDIA
 PHONE: 91-33-2511 5030, FAX: 91-33-2511 5107

BRANCH OFFICES: www.vesuvius.com
 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000







STEEL AUTHORITY OF INDIA LIMITED
 (A Maharatna Company)
SAIL REFRACTORY UNIT IFICO
P.O. MAHAR, DIST. RANGBARI (JHARKHAND) - 828117

Ref.No.: SRU IFICO/Pers/Trg/2021/157

Dated: 08.10.2021

TO WHOM IT MAY CONCERN

This is to certify that Mr. Sudip Kumar Nayak a student of Ceramic Engg. 3rd Year in 6th semester, Govt. College of Engg. & Ceramic Technology, KOLKATA has joined under in Plant Training from 09.08.2021 to 08.09.2021 and completed his training programme successfully and satisfactorily.

His behaviour and character was found satisfactory during the training period.

We wish all success in his life.


 (M.M. Verma)
 DGM (P&A)
 भारतीय स्टील संस्थान लि.
 रांगबारी (झारखण्ड) - 828117
 संपर्क: 0652-2610001



RGP/HR/UT/TG/01

October 6, 2021


TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Sourav Naskar**, Roll No: GCECTB-R18-1029, B. Tech (Ceramic) student of Government College of Engineering and Ceramic Technology, West Bengal, has undergone his Internship Training (un-paid) in our Technology Department, Refractory Works, Rajgangpur from 9th August 2021 to 8th October 2021.

During the period of training he was found diligent, sincere and hard working.

We wish all the best for every success in his career.

**For Dalmia Cement (Bharat) Limited
Refractory Division**


Abhishek Kr Mishra
Head- HR

भारतीय इस्पात प्राधिकरण लिमिटेड
(भारत सरकार का उपक्रम)

सैल रिफ्रेक्टरी यूनिट

सैल, सी.डी.-सिडिकोलपुर, बिहार
पिन : 840006, बिहार - पूर्ण (भ.स.)
दूरभाष : 0796-2265550, 2265551
फैक्स : 0796-2275491



STEEL AUTHORITY OF INDIA LTD.
(A Govt. of India Enterprise)

SAIL REFRACTORARY UNIT

MARADDA, P.O. - CARGO CENTRE
BHILAI - 490006, DISTT. - DURG (C.G.)
TEL : 0796-2265550, 2265551
FAX : 0796-2275491

No: SRUB/Pers./Carg/2021- 157

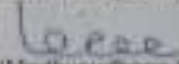
Date: 05.10.2021

TO WHOM IT MAY CONCERN

This is to certify that *Mr. Sanjib Kumar Maity*, 6th Semester student of Govt. College of Engg. & Ceramic Technology, KOLKATA in Ceramic Branch has undergone internship training covering all the departments of SAIL Refractory Unit Bhilai and overall idea of production of Refractory bricks, Masses and its application under the guidance of all the respective HODs of SAIL Refractory Unit Bhilai from 09.08.2021 to 06.10.2021.

We wish him all the success in future endeavors.

For Steel Authority of India Limited
SAIL Refractory Unit, Bhilai


(Madhusudhana Rao K)
- AGM (P&A)

मधुसुधन राव क्यू.
MADHUSUDHANA RAO K.
अधीनस्थ प्रशासक (प्र.स.स.स.)
Assistant General Manager (P&A)
सैल रिफ्रेक्टरी यूनिट, बिहार (भ.स.)
SAIL, P.O. - CARGO CENTRE

पंजीकृत कार्यालय : इस्पात भवन, लोधी रोड, नई दिल्ली - 110 003
Registered Office : Ispat Bhawan, Lodi Road, New Delhi - 110 003

हम किसी भी विपत्ति में तुझ ही खेला



19th November 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that DEBANGKI GOON, student of Govt College of Engineering and Ceramic Tech, Kolkata, undergoing BE/D.Tech. specializing in CERAMIC ENGINEERING, has completed his 8 Weeks Internship Project on 'B4 Crown Temperature Symmetry Between Left and Right firing' as part of our SG Next Program between 7th September 2021 to 2nd November 2021.

In addition to the Internship Program, the intern was also trained on Environment, Health and Safety (EHS) Practices, Survey Methodologies and Product knowledge.

During the Internship period, he showed keen enthusiasm, inquisitiveness to learn and zeal to perform.

We wish him success in all future endeavors.

Team Leader – Human Resources (A)



RSP/HR/UT/10/01

October 6, 2021

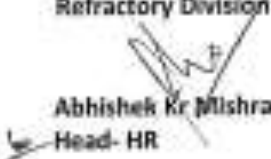
TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Shreya Banua, Roll No: GCECTB-R18-1027, B. Tech (Ceramic) student of Government College of Engineering and Ceramic Technology, West Bengal has undergone her Internship Training (un-paid) in our Technology Department, Refractory Works, Rajgangpur from 9th August 2021 to 8th October 2021.

During the period of training she was found diligent, sincere and hard working.

We wish all the best for every success in her career.

For Dalmia Cement (Bharat) Limited
Refractory Division


Abhishek Kr Mishra
Head- HR

Dalmia Cement (Bharat) Limited
Refractory Unit
Rajgangpur - 751017, Odisha, India
www.dalmiacement.com | IN: 9621101999 | FAX: 9621101999
Sales Office: 2nd Flr, 23rd St, Bhubaneswar - 751008, Odisha, India | Phone: 0674-6770007 & Chennai: 044-28300294
R&D Office: Dundergumam - 621401, Dist. Tiruchirappalli, Tamil Nadu, India
A Dalmia Bharat Group Company

भारतीय इस्पात प्राधिकरण लिमिटेड
(भारत सरकार का उपक्रम)

सेल रिफ्रेक्ट्री यूनिट

पतेका, पो.ओ. - सिविक सेंटर, भिलाई
पिन : 490006, जिला - भुवनेश्वर (ओ.ए.)
दूरभाष : 0788-2265550, 2265555
फैक्स : 0788-2275491



STEEL AUTHORITY OF INDIA LTD.
(A Govt. of India Enterprise)

SAIL REFRACTORY UNIT

MARAUDA, P.O. CIVIC CENTRE
BHILAI - 490006, DISTT - BURG (O.G.)
TEL : 0788-2265550, 2265555
FAX : 0788-2275491

No: SRUB/Pers./Cert/2021- 196

Date: 08.10.2021

TO WHOM IT MAY CONCERN

This is to certify that *Mr. Rahul Roy*, 6th Semester student of Govt. College of Engg. & Ceramic Technology, KOLKATA in Ceramic Branch has undergone internship training covering all the departments of SAIL Refractory Unit Bhilai and overall idea of production of Refractory bricks, Masses and its application under the guidance of all the respective HODs of SAIL Refractory Unit Bhilai from 09.08.2021 to 06.10.2021.

We wish him all the success in future endeavors.

For Steel Authority of India Limited
SAIL Refractory Unit, Bhilai

(Madhusudhan Rao K.)

- AGM (P&A)

मधुसूदन राव कु.

MADHUSUDHANA RAO K.

अग्रणी-अभियंता (स.सं. प्रक.)

Assistant General Manager (P&A)

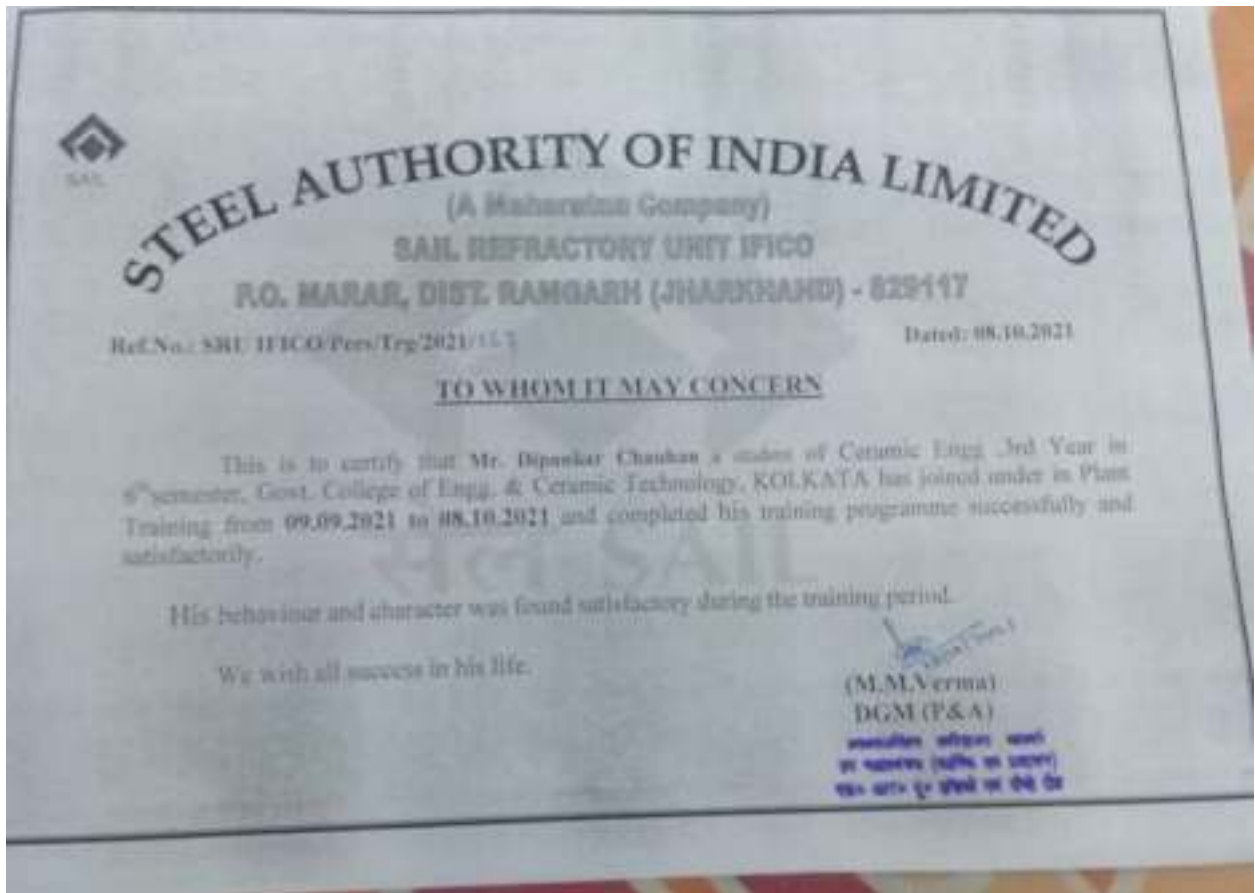
सेल रिफ्रेक्ट्री यूनिट, भिलाई (ओ.ए.)

SAIL/SRU, Bhilai (O.G.)

पंजीकृत कार्यालय : इस्पात भवन, लोधी रोड, नई दिल्ली - 110 003

Registered Office : Ispat Bhawan, Lodhi Road, New Delhi - 110 003

हर किसी की जिन्दगी से जुड़ा है स्टील





RGP/HR/UT/16/01

October 6, 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Samiul Sardar, Roll No: GCCTB-R18-1024, B. Tech (Ceramic) student of Government College of Engineering and Ceramic Technology, West Bengal, has undergone his Internship Training (un-paid) in our Technology Department, Refractory Works, Rajgarhpur from 9th August 2021 to 8th October 2021.

During the period of training he was found diligent, sincere and hard working.

We wish all the best for every success in his career.

For Dalmia Cement (Bharat) Limited
Refractory Division

Abhishek Kt Mishra
Head- HR

Dalmia Cement (Bharat) Limited
(Refractory Unit)

Rajgarhpur - 770017, India

www.dalmiacement.com (CN: 1611917919961000000)

Sales Office: Delhi 011 23497100, Kolkata 033 47612680, Bhubaneswar 0674 672222 & Chennai 044 26281244

Head Office: Dalmiapuram - 621002, Dist - Tiruchengode, Tamil Nadu, India

A Dalmia Bharat Group Company



RHI MAGNESITA

RHI MAGNESITA INDIA LTD.
 (Formerly Orient Refractories Ltd.)
 301, 310-37, Tower B, EMMAI Digital Green
 QIP Centre, Electronic Road, Sector 54,
 Gurgaon, Haryana 122011, INDIA
 T +91 124 4002530
 E rhi@rhi-india.com
 www.rhimagnesita.com

RML/HR: R: 4 7-8

DATE: 09/10/2021

TO WHOM SO EVER IT MAY CONCERN


This is to certify that Mr. Prayash Saha student of 4th year Ceramic Engg., Govt. College of Engg. & Ceramic Technology, (73, A.C. Banerjee Lane, Kolkata-700010) has successfully completed his Six Weeks In Plant training at RHI Magnesita India Ltd., (Formerly Orient Refractories Limited) Bhiwadi, Rajasthan for the period of 31st Aug 2021 to 12th Oct 2021.

Prayash possesses excellent analytical and observational skills. However, the most striking feature about his personality is her determined mind-set, which is ever ready to take up new challenges. Prayash's workings and findings have been systematic, lucid and clearly delivered. He is a patient listener and quick learner.

With respect to personality, Prayash is well behaved, and an amicable person. To the best of my knowledge, he possesses good organizational skills as well.

I wish him all success in life.

Thanking you,
 For RHI Magnesita India Ltd.


RAJ KISHOR SINGH
 SR. MANAGER (P&A)

भारतीय इस्पात प्राधिकरण लिमिटेड

(भारत सरकार का उपक्रम)

सेल रिफ्रेक्ट्री यूनिट

माराडा, पो. ऑ. - सिविक सेंटर, भिलाई

पिन : 490008, जिला - दुर्ग (छ.प्र.)

दूरधन : 0788-2265550, 2265555

फैक्स : 0788-2275491



STEEL AUTHORITY OF INDIA LTD.

(A. Govt. of India Enterprise)

SAIL REFRACTORARY UNIT

MARAUDA, P.O. - CIVIC CENTRE

BHILAI - 490008, DISTT. - DURG (C.G.)

TEL : 0788-2265550, 2265555

FAX : 0788-2275491

No: SRUB/Pers./Cert/2021- 198

Date: 06.10.2021

TO WHOM IT MAY CONCERN

This is to certify that **Mr. Avik Manna**, 6th Semester student of Govt. College of Engg. & Ceramic Technology, KOLKATA in Ceramic Branch has undergone internship training covering all the departments of SAIL Refractory Unit Bhilai and overall idea of production of Refractory bricks, Masses and its application under the guidance of all the respective HODs of SAIL Refractory Unit Bhilai from 09.08.2021 to 06.10.2021.

We wish him all the success in future endeavors.

For Steel Authority of India Limited
SAIL, Refractory Unit, Bhilai

(Madhusudhana Rao K.)

AGM (P&A)

मधुसूदन राव कु.
MADHUSUDHANA RAO K.

सहायक महाप्रबन्धक (स.ए.ए. प्रशा.)

Assistant General Manager (P&A)

सेल रिफ्रेक्ट्री यूनिट, भिलाई (छ.प्र.)

SAIL/SRU, BHILAI (C.G.)

पंजीकृत कार्यालय : इस्पात भवन, लोधी रोड, नई दिल्ली - 110 003

Registered Office : Ispat Bhawan, Lodhi Road, New Delhi - 110 003

हर किसी की जिन्दगी से जुड़ा है स्टील



RHI MAGNESITA

RHI MAGNESITA INDIA LTD.
 (Formerly Orient Refractories Ltd.)
 301, 314-17, Tower B, EMAR Digital Gateway
 GDF Centre Extension Road, Sector 81,
 Gurgaon, Haryana-122011, INDIA
 T +91 124 4962800
 E india@rhimagnesita.com
www.rhimagnesita.com

RML:HR:R: 679

DATE: 09/10/2021

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. Aniket Halder student of 4th year Ceramic Engg., Govt. College of Engg. & Ceramic Technology, (73, A.C. Banerjee Lane, Kolkata-700010) has successfully completed his Six Weeks In-Plant training at RHI Magnesita India Ltd., (Formerly Orient Refractories Limited) Bhiwadi, Rajasthan for the period of 31st Aug 2021 to 12th Oct 2021.

Aniket possesses excellent analytical and observational skills. However, the most striking feature about his personality is her determined mind-set, which is ever ready to take up new challenges. Aniket's workings and findings have been systematic, lucid and clearly delivered. He is a patient listener and quick learner.

With respect to personality, Aniket is well behaved, and an amicable person. To the best of my knowledge, he possesses good organizational skills as well.

I wish him all success in life.

Thanking you,
 For RHI Magnesita India Ltd.


RAJKUMAR SINGH
 SR. MANAGER (P&A)



REP/HR/UT/TG/01

October 8, 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Purba Saha, Roll No: GCECTB-R18-1018, B. Tech (Ceramic) student of Government College of Engineering and Ceramic Technology, West Bengal has undergone her Internship Training (un-paid) in our Technology Department, Refractory Works, Raigangpur from 9th August 2021 to 8th October 2021.

During the period of training she was found diligent, sincere and hard working.

We wish all the best for every success in her career.

For Dalmia Cement (Bharat) Limited
Refractory Division


Abhishek Kr Mishra

Head- HR

Dalmia Cement (Bharat) Limited

(Bharat) Ltd.

Head Office - 770017, Raigangpur, Jharkhand

e-mail: hr@dmcc.com / hr@dmcc.co.in / hr@dmcc.in

Head Office - Dalmia Cement (Bharat) Limited, Raigangpur - 770017, Jharkhand
Regional Office - Dalmia Cement (Bharat) Limited, Raigangpur - 770017, Jharkhand

A Dalmia Cement Group Company



RHI MAGNESITA

RHI MAGNESITA INDIA LTD.
 (Formerly Orient Refractories Ltd.)
 301, 315-17, Tower B, EMAR, Digital Towers
 Golf Course Extension Road, Sector 04,
 Gurgaon, Haryana-122001, INDIA
 T +91 (24) 4062930
 E support.india@rhimagnesita.com
www.rhimagnesita.com

RML/HR: R: 630

DATE: 09/10/2021

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. Surajit Das student of 4th year Ceramic Engg., Govt. College of Engg. & Ceramic Technology, (73, A.C. Banerjee Lane, Kolkata-700010) has successfully completed his Six Weeks In-Plant training at RHI Magnesita India Ltd., (Formerly Orient Refractories Limited) Bhiwadi, Rajasthan for the period of 31st Aug 2021 to 12th Oct 2021.

Surajit possesses excellent analytical and observational skills. However, the most striking feature about his personality is her determined mind-set, which is ever ready to take up new challenges. Surajit's workings and findings have been systematic, lucid and clearly delivered. He is a patient listener and quick learner.

With respect to personality, Surajit is well behaved, and an amicable person. To the best of my knowledge, he possesses good organizational skills as well.

I wish him all success in life.

Thanking you,
 For RHI Magnesita India Ltd.


RAJINDER SINGH
 SR. MANAGER (P&A)



STEEL AUTHORITY OF INDIA LIMITED
 (A Maharatna Company)
SAIL REFRACTORY UNIT IFICO
P.O. NARAR, DIST. RANGARH (JHARKHAND) - 829117

Ref.No.: SRU IFICO/Pers/Trg/2021/150


Dated: 08.10.2021

TO WHOM IT MAY CONCERN

This is to certify that Mr. Debjoy Bardhan a student of Ceramic Engg., 3rd Year in 6th semester, Govt. College of Engg. & Ceramic Technology, KOLKATA has joined under in Plant Training from 09.08.2021 to 08.09.2021 and completed his training programme successfully and satisfactorily.

His behaviour and character was found satisfactory during the training period.

We wish all success in his life.


 (M.M. Verma)
 DGM (P&A)

सहायक निदेशक (प्रशासन एवं प्रशिक्षण)
 एच. एच. ए. यू. रंगारह जं. बर्हार



Dated: 14th December 2021

To Whomsoever It May Concern

This is to certify that Mr. Parantap Dev, a final year student of Bachelor of Technology with specialization in Ceramic Engineering from Government College of Engineering & Ceramic Technology has undergone 5 months Summer Internship Program in our company from 12th July to 10th December, 2021. He has worked on the various project in 'Operations Domain'. He was found to be very sincere and has satisfactorily completed his project work as per the schedule.

We wish him every success in his future endeavors and academic career.

David Chakma
Senior Manager- Human Resources





Date: 14th December 2021

To Whomsoever It May Concern

This is to certify that Ms. Swaralipi Kumar, a final year student of Bachelor of Technology with specialization in Ceramic Engineering from Government College of Engineering & Ceramic Technology has undergone 5 months Summer Internship Program in our company from 12th July to 10th December, 2021. She has worked on the various project in 'Operations Domain'. She was found to be very sincere and has satisfactorily completed her project work as per the schedule.

We wish her every success in her future endeavors and academic career.

David
David Chakma
Senior Manager- Human Resources





Ref: HRJ/IPNR/TRN70/PRO/04/2022

Apr 09, 2022

Certificate Of Training

This is to certify that **Mr. Ayan Chitrakar**, final year B.Tech student of Ceramic Technology, Malaut from Govt. College of Engineering And Ceramic Technology, Kolkata. He has completed his Industrial training from Industrial Products & Natural Resources a Division of Prism Johnson Limited, H & R Johnson (India) Div.

He has successfully completed his project on "**Ceramic Membrane and Its Application**" The total duration of his project was from 01st Jan 2022 to 18th Feb 2022 (6 Weeks) through Virtual mode and Project reports have been submitted.

We wish him all the very best for his future.

For

**Industrial Products and Natural Resources,
Prism Johnson Ltd, H & R Johnson (India) Div.**



Dr. Dilip Doshi

(Vice President- R & D & Operations)

PRISM JOHNSON LIMITED
(FORMERLY PRISM CEMENT LIMITED)

H & R Johnson (India) Division

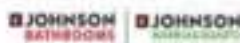
Corporate Office: 7th Floor, Winddot, C.S.T. Road, Kalna, Santacruz (E), Mumbai - 400 098, India.

T: +91-22-4064 7300 / 2654 7300

Registered Office: Prism Johnson Limited, 305, Laxmi Niwas Apartments, Ameerpet, Hyderabad - 500 015, India.

W: www.prismjohnson.in, www.hjohnsonindia.com E: info@prismjohnson.in

CIN: L26942TG1992PLC014033



B. INFORMATIONC TECHNOLOGY 2020 – 21

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL20CS2851125248

To
 MOHINI DAS
 BALDIPIRA ROAD
 HALDIGHAR
 NORTH 24 PARGANAS
 WEST BENGAL - 743134
 PH. NO: 7985194605



No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

MOHINI DAS

for passing the course

Data Science for Engineers

with Score* 80 %

Covid-19
 Impacted
 January 2020
 semester

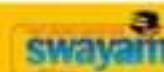
Prof. Devendra Jalihal
 Director
 Centre for Continuing Education, IITM

Jan-Mar 2020
 (8 week course)

Prof. Anshu Thangaraj
 NPTEL Coordinator
 IIT Madras



Indian Institute of Technology Madras



*Continuous online assessment score

To validate and check scores: <https://nptel.ac.in/noc/>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>



Roll No: NPTEL19CS59541650116

To
TANISHA SARKAR
 18/3 P. K. ROY CHOWDHURY 2ND BYE LANE,
 B. GARDEN, SHIBPUR
 HOWRAH
 WEST BENGAL
 711103
 PH. NO :8902116700



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:1

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

TANISHA SARKAR

for successfully completing the course

Python for Data Science

with a consolidated score of **73** %

Online Assignments	23/25	Programming Exam	20/25	Proctored Exam	29.59/50
--------------------	-------	------------------	-------	----------------	----------

Total number of candidates certified in this course: **4426**

Devendra Jalihal

Prof. Devendra Jalihal
 Chairman
 Centre for Continuing Education, IITM

Aug-Sep 2019
 (4 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj
 NPTEL Coordinator
 IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL19CS59541650116

To validate and check scores: <https://nptel.ac.in/noc/>

Interview Attendance Prediction Analysis

A project report submitted for the fulfillment of the

Summer Training

in

Machine Learning using Python

under

Globsyn finishing school, Kolkata

by

SHAROB SINHA

SUBHAM MONDAL

SOMLATA SAHA

SHUBASH KUMAR

RAKESH HOSSAIN MOLLA

Under the Guidance of:

Titas Roy Chowdhury

For the Academic Year 2019-2020

Titas Roy Chowdhury



Document sign date :19-Sep-2019



In Collaboration with



TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr./Ms. Aipta Basak**, has successfully completed the internship at **SmartBridge Educational Services Private Limited** from **08/03/2020 to 08/31/2020**

During this period he/she had learned the concepts of **Machine Learning** and worked under the supervision of project mentor & developed the project entitled "**Chronic kidney disease prediction using Watson Auto AI**".

He/she was found hardworking, punctual and inquisitive, during the tenure of internship.

We wish him/her every success in career.

Jayaprakash. Ch

Program Manager

September 01, 2020

Issued on

Powered by
Smart Internz
www.smartinternz.com

SB ID: SB20200075492

Authenticity of this certificate can be validated by going to:
<https://smartinternz.com/internships/certificates/a8788da05c5a094f7dc03724b40889e8>

C. COMPUTER SCIENCE & ENGINEERING 2020 – 21





Dated : May 25 - Jun 06, 2020

Certificate of Training

This is to certify that
Shabdik Chakraborty
has successfully completed two weeks online training on
"Ethical Hacking and Security Fundamentals"
conducted by **Diginique TechLabs**
in association with **Cognizance'20 IIT Roorkee**.

A handwritten signature in black ink, appearing to read "Sudhir Chaudhary".

Sudhir Chaudhary
CEO
Diginique TechLabs

A handwritten signature in black ink, appearing to read "Alok Birthare".

Alok Birthare
Overall Coordinator
Cognizance' 20, IITR



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान भोपाल
INDIAN INSTITUTE OF SCIENCE
EDUCATION AND RESEARCH BHOPAL

Dr. Kushal K. Shah
Associate Professor
Department of Electrical Engineering &
Computer Science

CERTIFICATE OF INTERNSHIP

This is to certify that Subrata Sarkar [GCECTB-R17-3035], undergraduate student of Computer Science and Engineering at Government College of Engineering & Ceramic Technology [located at: 73, Abinash Chandra Banerjee Lane, Kolkata-700 010, West Bengal], has done a summer internship under my guidance from 01st June, 2020 to 31st August, 2020 on the topic "Malaria detection from RBC images using shallow Convolutional Neural Networks".

In the internship, he has worked on designing and analysing various architectures of Convolutional Neural Networks for the purpose of malaria detection from RBC cell images. He has done excellent work during this internship and has displayed an amazing capacity for diligent hard work.

Yours truly,

Kushal

Kushal K. Shah

Date : 10.09.2020



A. CERAMIC TECHNOLOGY 2019 – 20



Date: 21/01/2021

TO WHOMSOEVER IT MAY CONCERN

Mr. Deb Banerjee, who is currently undergoing B.Tech from GCECT, has undergone his internship at Aditya Birla Insulators, Halol. Details of his internship are as follows:

Mentor: Mr. Sovan Khan

Duration: 21/12/2020 to 21/01/2021

Project: Sankey Diagram on Tunnel kiln

During the course of his training period, his conduct and quality of work was good.

We wish him good luck for a bright and prosperous future.

For Grasim Industries Limited

(Unit - Aditya Birla Insulator- Halol)

Kamlesh Prasad

Department Head- Human Resources



ADITYA BIRLA INSULATORS

GRASIM INDUSTRIES LIMITED
Unit - Aditya Birla Insulator

Head Office: P.O. - Halol, Taluka - Halol, Dist. - Porbandar, Gujarat Pin - 362002 India

Tel. - 91 79 265 26000 Fax - 91 79 265 22191/12

Website: www.adityabirlainsulators.com / www.grasim.com | CIN: IN 332905MH0000120000

TATA STEEL #WeGoHighGrowth	REFRACTORY TECHNOLOGY GROUP Research & Development Tata Steel	 TATA
--------------------------------------	----------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------

Ref: VT/20-21

Date: 02.04.2021

CERTIFICATE

This is to certify that Mr. Pushpak Das, student of Government College of Engineering and Ceramic Technology has successfully completed One month (From 25th December 2020 to 25th January 2021) virtual Industrial Training in Microsoft Teams at this company and worked on the project "Literature Survey on MgO-C Refractories and New Advancements" supervised under Mr. Goutam Ghosh.

During this period of his training we found him punctual, proactive and inquisitive.



Prasanta Panigrahi
Head, Refractory Technology Group

Tata Steel Limited

RTG | Technology & New Materials Business | Jamshedpur 831 001

Tel: Landline +91-657 6648901 | Mobile +91 92345 02891

ppanigrahi@tatasteel.com | <http://www.tatasteel.com>

TATA STEEL
#WeAreTataSteel

REFRACTORY TECHNOLOGY GROUP
Research & Development
Tata Steel



Ref:VT/20-21

Date: 02.04.2021

CERTIFICATE

This is to certify that Mr. Souvik Karmakar, student of Government College of Engineering and Ceramic Technology has successfully completed One month (From 25th December 2020 to 25th January 2021) virtual Industrial Training in Microsoft Teams at this company and worked on the project "Literature Survey on MgO-C Refractories and New Advancements" supervised under Mr. Goutam Ghosh.

During this period of his training we found him punctual, proactive and inquisitive.

Prasanta Panigrahi
Head, Refractory Technology Group

Tata Steel Limited

RTG | Technology & New Materials Business | Jamshedpur 831 001

Tel. Landline +91-657 6648501 | Mobile +91 92345 02891

ppanigrahi@tatasteel.com | <http://www.tatasteel.com>

TATA STEEL @ WeAlsoMakeTomorrow	REFRACTORY TECHNOLOGY GROUP Research & Development Tata Steel	 TATA
-------------------------------------------	----------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------

Ref: VT/20-21

Date: 02.04.2021

CERTIFICATE

This is to certify that Ms Sumana Giri , student of Government College of Engineering and Ceramic Technology has successfully completed One month (From 25th December 2020 to 25th January 2021) virtual Industrial Training in Microsoft Teams at this company and worked on the project "Tuyere Block in Converter" supervised under Mrs Moumita Nag.

During this period of her training we found her punctual, proactive and inquisitive.



Prasanta Panigrahi
Head, Refractory Technology Group

Tata Steel Limited

RTG | Technology & New Materials Business | Jamshedpur 831 001

Tel: Landline +91-657 6648501 | Mobile +91 92345 02691

ppanigrahi@tatasteel.com | <http://www.tatasteel.com>

NJ 100/IPNR/TRN&R/PROJ/01/2021

May 24, 2021

Certificate Of Training

This is to certify that Mr. Rakim Bhattacharye, final year E-Tech student of Ceramic Technology, Mahaul from Govt. College of Engineering And Ceramic Technology, Kolkata. He has completed his Industrial training from Industrial Products & Natural Resources a Division of Prism Johnson Limited, H & R Johnson (India) Div.

He has successfully completed his project on "Ceramic Membrane and its Application in Oil-Water Separation". The total duration of his project was from 15th Mar 2021 to 30th Apr 2021 (15 Weeks) through Virtual mode and 2 days worked in Essar Oil Client site and the Project reports have been submitted.

We wish him all the very best for his future.

For

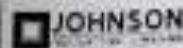
Industrial Products and Natural Resources,

Prism Johnson Ltd, H & R Johnson (India) Div.

Dr. D.

Dr. Dilip Doshi

(Vice President- R & D & Operations)



Prism Johnson Limited, Mumbai-God Road, Plot - 402/101, Chhatrapati Rajawade, Maharashtra - 400 002
T: 21432744/61/40832741/11/12/11

Corporate Office: 7th Floor, Windsor, C & T, Bhakti Nagar, Santacruz (W), Mumbai-400 099, India. T: 4914214/414230-1/2/3/4/5/6/7/8/9
Registered Office: Prism Johnson Limited, 305, Laxmi Palace Apartments, Santacruz, Mumbai-400 075, India
W: www.prismjohnson.in E: info@prismjohnson.in

CIN: L27204TG1969PLC0274001

PRISM JOHNSON LIMITED

(FORMERLY PRISM CEMENT LIMITED)



STEEL AUTHORITY OF INDIA LIMITED
 (A Nisharctns Company)
SAIL REFRACTORY UNIT IFICO
P.O. NARAR, DIST. RANGARH (JHARKHAND) - 829117

RefNo. SRU IFICO/Per/Trg/2021/522

Dated: 01.02.2021

TO WHOM IT MAY CONCERN

This is to certify that Mr. Subhansu Bhattacharya, student of B-Tech in Ceramic Technology 7th semester, Govt College of engineering and Ceramic Technology, West Bengal has joined under in Plant Training from 04.01.2021 to 18.01.2021 and completed his training programme successfully and satisfactorily.

His behaviour and character was found satisfactory during the training period.

We wish all success in his life.


 (M.M. Verma)
 DGM (P&A)
 Director Refractory and
 Refractory (SAIL) at Narar
 P.O. Narar, Dist. Rangarh of Jharkhand



REF: HR/INDIA/INDUS/PROJ/HR/2021

May 24, 2021

Certificate Of Training

This is to certify that Mr. Raikhan Gazi, final year B.Tech student of Ceramic Technology, Mahast from Govt. College of Engineering And Ceramic Technology, Kolkata. He has completed his Industrial training from Industrial Products & Natural Resources a Division of Prism Johnson Limited, H & R Johnson (India) Div.

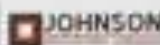
He has successfully completed his project on "Ceramic Membrane and Its Application in Oil-Water Separation" The total duration of his project was from 15th Mar 2021 to 30th Apr 2021 (6 Weeks) through Virtual mode and 2 days worked in Esnar Oil Client site and the Project reports have been submitted.

We wish him all the very best for his future

For
Industrial Products and Natural Resources,
Prism Johnson Ltd, H & R Johnson (India) Div.


Dr. Dilip Doshi

(Vice President- R & D & Operations)



PRISM JOHNSON LIMITED

(FORMERLY PRISM CEMENT LIMITED)

Plant - Laxmi, Village Gadhik, Mumbai Sub Road, Plot - 402 1ST, 2ND & 3RD, Maharashtra, India.
T: 2142741907/2083711/252293

Corporate Office - 7th Floor, Worli, C.S.T. Road, India, (Mumbai-400 099, India, T: +91 22 40647300 / 20847308
Registered Office - Prism Johnson Limited, 205, Leventis Power Apartments, New York, Hyderabad - 500 078, India
www.prismjohnson.in, www.pj-india.com, E: info@prismjohnson.in

OH - L298427C19829, CCF4022

POCO




Date: 12th July, 2021

TO WHOM IT MAY CONCERN

This is to certify that Ms. Sanjana Chatterjee, Roll No – 171130110091, a student of Govt. College of Engineering & Ceramic Technology, Kolkata, W.B. has undergone summer training on the project "Study the role of soda content in feldspar and flux content of porcelain on electrical and mechanical properties of insulators" in our organisation from 11th Jan, 2021 to 9th Mar, 2021.

During the period of her summer training programme with us, she had been exposed to the different process in our organisation and we found her to be sincere, diligent, and technically sound and result oriented. We take this opportunity to thank and wish her all the best for her career.

For Aditya Birla Insulators


Sarika Thakuria
SH – HR



ADITYA BIRLA INSULATORS
Grasim Industries Limited
Unit - Aditya Birla Insulators

State Viena - P.O. : Pokan Nagar, Noida, Dist. : Meerut (U.P.), Pin - 201 248, India
Tel. : 91 33 2600 7200 Fax : 91 33 2672 2126
W : www.adityabirlainsulators.com / www.grasim.com (CIN : L17 05MP 0475L 000418)
Regd. Office : Bhatnagar, Nagda - 490 211 (G.P.)




STEEL AUTHORITY OF INDIA LIMITED,
SAIL REFRACTORY UNIT IFICO
AT+ P.O MARAR DISTT. RAMGARH, (JHR.)

CERTIFICATE

To Whom so ever It May Concern

This is to certify that **Mr. SUVADIP SAMANTA** student of B.Tech – Ceramic Technology, GOVT.COLLEGE OF ENGG. & CERAMIC TECHNOLOGY, KOLKATA. He has done a project on Preparation of **Aluminium Silicon Carbide Carbon Brick** on varying resin percentage from JANUARY 4 to FEBRUARY 1, 2021.

We wish him good luck for a bright and prosperous future.


(M.M.VERMA)
DGM P&A

SAIL Refractory Unit
IFICO & RANCHI ROAD
अवकाशील अोकलन सभर
उर नरररररररर (रररररर ररर ररररररर)
एररर रररर रररर रररर रररर रररर



REF NO: POL/CERT/2021
(Date: 5th March 2021)

To Whomsoever It May Concern

This is to verify that Mr. Saumyash Podder a student of B. Tech (Ceramic Technology) from Govt College of Engg. & Ceramic Technology (GCCT) has successfully completed internship at Piramal Glass Private Limited, Kumbha Plant from 1st Feb 2021 to 5th March 2021 in Glass Department.

He has submitted his Project report and was regular during the training period.

We wish him ALL THE VERY BEST for his prosperous future.

For Piramal Glass Pvt Ltd


Rajeev Yadav
(Chief Human Resources Officer)



Piramal Glass Private Limited
Kumbha Plant, Piramal Glass Private Limited
C/o: 128/129/130/131/132/133
Kumbha Plant, Kumbha Road, Kumbha, West Bengal, West Bengal, India
20, Main Road, Kumbha, West Bengal, India. Phone: 033-26612800-1 to 11, 26612801
Kumbha Plant, Kumbha Road, Kumbha, West Bengal, India. Phone: 033-26612800-1 to 11, 26612801
Kumbha Plant, Kumbha Road, Kumbha, West Bengal, India. Phone: 033-26612800-1 to 11, 26612801

B. INFORMATION TECHNOLOGY 2019 – 20



globsyn
finishing school



Certificate ID: WB/GFS/SS19/41295

Certificate

This is to Certify that

Mr./Ms. *Subrata Paul*

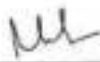
of

Government College Of Engineering & Ceramic Technology

has successfully completed training program in

Machine Learning using Python(sub trade/s)

Date: *27.07.2019*


Authorized Signatory



Provisional Certificate

This is to certify that JAMUNA MAJHI of Government College Of Engineering & Ceramic Technology has successfully completed the program in Data Science using Python at Globsyn Finishing School's Summer School 2019-Phase 1



Place : Kolkata

Authorized Signatory

Date : Sept 16, 2019

globsyn knowledge foundation

D. H. Road, Mouza Chand, PG – Bahadur, J.L. No. – 101, District -24 Parganas (South), Kolkata – 743503, India.

Kolkata 700091, India. Phone: +91 (33) 9600 3600 Url : www.globsyn.edu.in Email : glf@globsyn.com



Certificate

1 message

CSI Kolkata <csikal@gmail.com>
To: Majumdar Mousumi <mou1232005@yahoo.com>
Cc: Rajat Saha <rajatbharat59@gmail.com>

Mon, 25 Nov 2019 at 17:03

To
Prof Mousumi Maitra Majumdar,
HOD , Computer Science,
Government College of Engineering and Ceramic Technology,
Kolkata,

Dear Madam,

This is to inform you that Mr. Rajat Saha, student of Computer Science Department of you College, requested us for providing a grade in the Summer Training Certificate. Generally we are not providing grade in Summer Training Certificate. But it is a special case, so we are providing grade.

Mr Rajat Saha has participated in the Advanced Java course with project work held from 20th June, 2019 to 19th July, 2019 at Computer Society of India, Kolkata Chapter. He has taken consistent interest and effort with the above mentioned Project and his grade of this project is 'A'.

I wish his success in all his future endeavor.

Thanks and regards

Swarup Chakraborti
CSI Kolkata Chapter
5, L. L. R Sarani (Elgin Road),
4th Floor, Kolkata - 700020.
Email: csikal@gmail.com
Website: csikolkata.org
Phone 1: +91-33-4006-5439
Phone 2: +91-33-2280-2035

globsyn
finishing school



Certificate ID: WB/GFS/SS19/41315

Certificate

This is to Certify that

Mr./Ms. *Subhankar Naskar*

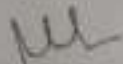
of

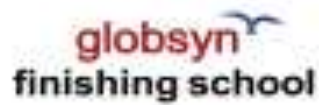
Government College Of Engineering & Ceramic Technology

has successfully completed training program in

Machine Learning using Python (sub trade/s)

Date: *27.07.2019*


Authorized Signatory



Provisional Certificate

This is to certify that Malnak Sinha of Government College Of Engineering & Ceramic Technology has successfully completed the program in Data Science using Python at Globsyn Finishing School's Summer School 2019-Phase 1



Place : Kolkata

Authorized Signatory

Date : Sept 16, 2019

globsyn knowledge foundation

D. H. Road, Mouza Chand, PS – Behnagur, J.L. No. – 101, District -24 Parganas (South), Kolkata – 743003, India.
Kolkata 750061, India. Phone: +91 (33) 6800 3600 URL: www.globsyn.edu.in Email: glf@globsyn.com

globsyn
finishing school



Certificate Id: WB/GFS/SS19/41277

Certificate

This is to Certify that

Mr./Ms...... *Krishnendu Nandy*.....
of

Government College Of Engineering & Ceramic Technology.....

has successfully completed training program in

Data Science using Python..... *(sub trade/s)*

Date: *27.07.2019*.....


Authorized Signatory

globsyn
finishing school

 3rd Life

Certificate No: WB/GFS/5519/41244

Certificate

This is to Certify that

Mr./Ms. Bishwayan Saha
of
Government College Of Engineering & Ceramic Technology
has successfully completed training program in
Data Science using Python (sub trade/s)

Date: 21.07.2019


Authorized Signatory

C. COMPUTER SCIENCE & ENGINEERING 2019 – 20

Sl. No. <u>108</u>	MBA Basin, Kolkata
	
Oil and Natural Gas Corporation Limited	
This is to certify that Mr/Ms. <u>SUFAL SIKDER</u>	
a student of <u>GOVERNMENT COLLEGE OF ENGINEERING AND CERAMIC TECHNOLOGY</u>	
has undergone Summer/Winter/Industrial Training at ONGC.	
from <u>27.05.2019</u> to <u>26.06.2019</u>	
He/She has successfully completed his/her Project Work on <u>DESIGNING A WEBSITE ON COMPLAINT MANAGEMENT SYSTEM</u> in the discipline of <u>CSE</u>	
During the Training, he/she took keen interest in the assigned work. We wish him/her all success in his/her academic endeavours and life.	
Date: <u>21.08.2019</u>	Place <u>KOLKATA</u>
 In-charge HR-ER	



INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR
KHARAGPUR - 721302
WEST BENGAL, INDIA

भारतीय
प्रौद्योगिकी
संस्थान
खड़गपुर

औद्योगिक एवं प्रणाली अभियांत्रिकी विभाग
DEPARTMENT OF INDUSTRIAL & SYSTEMS ENGINEERING

Date: 11/09/2019

To whomsoever it may concern

This is to certify that **Mr. Amit Chakraborty** has worked with me during the period 10-06-2019 to 11-09-2019. The student has worked in a project/research topic entitled "**Helpfulness Prediction of Online Product Reviews**" during the aforesaid period.

I am favorably impressed with the student's diligence, obedience and sincerity towards work assigned to the said student.

The undersigned may be contacted for further information about the intern. We wish him all the best in his future endeavors.

With Regards,

Mamata Jenamani

Prof. Mamata Jenamani
Professor
Department of Industrial and Systems Engineering
IIT, Kharagpur, West Bengal- 721 302



Prof. Mamata Jenamani
Professor
Department of Industrial
& Systems Engineering
I.I.T. Kharagpur - 721302

ARDENT
COMPUTECH PVT. LTD.
High-End Technology Training and Project

ISO 9001:2015

Microsoft
Technology Associate

Microsoft
Delivery
Partner

W.A.G.
Wipro Academy Graduate

Industrial Training Certificate

Awarded To
DIPAN KUMAR MITRA
of
GOVERNMENT COLLEGE OF ENGINEERING AND CERAMIC TECHNOLOGY
for successfully completing the industrial training on
MACHINE LEARNING WITH PYTHON
from 20-06-2019 to 20-07-2019
and implementing the project titled
PREDICTION OF AUTHENTIC AND FAKE BANK NOTE

[Signature]
Director
Technology Services

[Signature]
Director
Operations

Date of Achievement: 20-07-2019
Certificate ID: ARD25192406

To verify the genuineness of this certificate visit www.ardentcollaborations.com or email us to hr@ardentcollaborations.com

A. CERAMIC TECHNOLOGY 2018 – 19



Date: 17.07.2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Abhinav Bannan of B.Tech. 6th semester in the discipline of Ceramic Technology from Government College of Engineering and Ceramic Technology, Kolkata has undergone Project Summer training at our Production Department, Katni Refractory Works from 22.05.2019 to 17.07.2019.

He worked on the project, titled "VSM AND MASS BALANCING IN LINE 4 & 5".

During training period his performance and conduct was very good.

We wish him success in his future assignments.

Industrial Operations Director
Katni Refractory Works

ORIENT REFRACTORIES LTD.
(AN RHI MAGNESITA COMPANY)



ORL: PERS:R: 303

DATE:20.07.2019

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. DEBARATI DUTTA** (Roll No - GCECTB-R16-1004), student of B.Tech. 3rd Year, Department of Ceramic Technology, Government College of Engineering & Ceramic Technology, Kolkata has successfully completed her summer training at Orient Refractories Limited, Bhiwadi, Rajasthan for the period of 20th May, 2019 to 19th July, 2019. The internship's work titled "An Industrial Internship Report on The Overview of Orient Refractories Limited (An Unit of RHI Magnesita)" and a project entitled "Investigation on Water Leakage of Continuous Casting Refractories Product and Development of a Standard Process to Reduce Water Leakage in Green Production" have been conducted by her under the supervision of **Mr. BHAKTA BANDHU SAHU, DGM, Process Control** and was submitted by DEBARATI which is in partial fulfilment of the requirements for the award of **Bachelor of Technology**, is a record of bona-fide work done under our guidance. The contents of this internship work and project report, in full or in parts, have neither been taken from any other sources nor have been submitted to any other Institute or University for award of any degree or diploma.

Debarati possesses excellent analytical and observational skills. However, the most striking feature about her personality is her determined mind-set, which is ever ready to take up new challenges. Debarati's workings and findings have been systematic, lucid and clearly delivered. She is a patient listener and quick learner.

With respect to personality, Debarati is well behaved, regular in attendance, punctual, composed and an amicable person. She should have no problem with team work. To the best of my knowledge she possesses good organizational skills as well.

I wish this young lady all success in life.

Thanking you,

For ORIENT REFRACTORIES LTD.,

ISHWAR SINGH

GENERAL MANAGER (P&A)

Works :

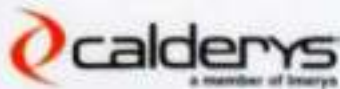
1P-144, 2 & 3, WCC Industrial Area,
Bhiwadi - 301019
Dist. Alwar, Rajasthan, India
Phone : +91-1459-222266, 65, 64
Fax : +91-1459-222269
Email : shiwadi@orientrl.com

Registered Office :

C-424, New South Business Park, 22nd, Pathways Station,
Villapundur (West), Chennai, INDIA-600086
Tel : +91 22 9023 90 00
Fax : +91 22 9023 90 01
Web : www.orientrefractories.com
Email : info@orientrl.com
CN : 1281158N0010PLCE10RT1



RHI MAGNESITA



Date: 17.07.2019


TO WHOMSOEVER IT MAY CONCERN

This is to certify that Miss. Madhumita Dutta Chowdhury student of B.Tech. 6th semester in the discipline of Ceramic Technology from Government College of Engineering and Ceramic Technology, Kolkata has undergone Project Summer training at our Production Department, Katni Refractory Works from 22.05.2019 to 17.07.2019.

She worked on the project, titled " VSM AND MASS BALANCING IN REFRACTORY CRUSHING CIRCUIT ".

During training period her performance and conduct was very good.

We wish her success in her future assignments.


Industrial Operations Director
Katni Refractory Works

Calderys India Refractories Ltd.

"Katni Refractories Works" P.O. Katni, C.F., District - Katni - 483004, M.P. India

Phone : +91 762 222 4504 / 62 / 63 / 60 | Email : info.india@calderys.com | Website: www.calderys.com

CIN No: U02682MP2006PLCO17985



Carborundum Universal Limited
 Plot No. 227, Thiruvallur, Chennai 600 019, India
 Tel : 91-44 2519999 Fax : 91-44 2572999 / 2572548
 website : www.cumilmurugappa.com
 CIN : L29724TN1954PLC050218

30th July 2019

To,
 Whom it may Concern

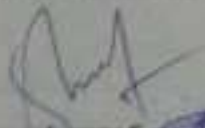
PROJECT COMPLETION CERTIFICATE

This is to certify that **Mr. Md.Ismail (Roll No: GCECTB-R16-1007)**, III year Ceramic, Government college of Engineering & Ceramic technology, Kolkata had undertaken an internship in our company and completed the same successfully.

Period of Training : 20.05.2019 to 30.07.2019
 Department : Technology

We wish him a successful career.

Carborundum Universal Limited


 Lakshmanakumar S
 Executive-HR



NATIONAL REFRACTORIES
(UNIT OF SNOWTEX UDYOG LTD.)

CM : (200)2481889/200228

F. O. Sotoipur - 713307, Dist. Paschim Bardhaman, West Bengal (INDIA), Phone : +918118807346, E-mail : netusa@snmgroup.com

Date : 30.06.18

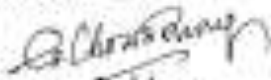
TO WHOM IT MAY CONCERN

This is to certify that Mr. Sayed Ali, student of Govt. College of Engineering and Ceramic Technology pursuing B. Tech. 8th year (in Ceramic Technology) has successfully completed Industrial Training of One week with effect from 25.06.18 to 30.06.18 in our Organization.

His performance during this training period was Excellent.

We wish great success in his life.

With best regards,



Gautam Choudhary

Sr. G.M. (Works)

For National Refractories

Regd. Office : F-3, Circular Mansion, 1st floor, 222, A. J. C. Bose Road, Kolkata - 700 017, Ph. : +91-33-2261-1058

A **BMA** Group Enterprise



सीएसआईआर - केन्द्रीय काँच एवं सिरामिक अनुसंधान संस्थान

196, राजा एस सी मुल्लिक रोड, कोलकाता - 700 032, भारत

CSIR - CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE

196, Raja S C Mullick Road, Kolkata - 700 032, India



This is to certify that

Mr. PARTHO DAS

of

**Government College of Engineering and Ceramic
Technology,**

Kolkata

*Participated satisfactorily in the Summer Internship
Programme-2019*

on

Flow Behavior of Aqueous Ceramic Suspensions

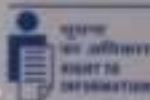
held during 20 May 2019 to 12 July 2019

(K. Muraleedharan)

Director

Dr. K. MURALEEDHARAN
Patron/Director

केन्द्रीय काँच एवं सिरामिक अनुसंधान संस्थान
CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE
कोलकाता-700 032



सूचना के अधिकार का अधिकार
Right to Information
सूचना Phone : संचालक/डायरेक्टर : +91 33 2473 5829, संचालक/ऑफिस : 2473 3469/76/77/96; 2483 7340-46, 2483 7340-47
DID Lines : 2483 8079/8082 संचालक/फैक्स : (033) 2473 0957, 2473 8062, 2483 7329, 2483 8088 ई-मेल : dir_office@cgcri.res.in
वेब साइट : www.cgcri.res.in



Higher Education
Learning Agreement Form
Bamberg, Semestri
Project Year 2019/2022

After the Mobility

Table D - Traineeship Certificate by the Receiving Organisation

Trainee: **Banerjee, Samant**
 Receiving Organisation: **Technische Universität Dresden**
 Sector of the Receiving Organisation: **Max Bergmann Center of Biomaterials / BIOTEC**
 Address: **Budapester-Strasse 26**
 Website: **WWW.MFDD.DE**
 Internship period: **from 01.08.2019 - 31.10.2019**
 Number of working hours per week: **40**
 Traineeship in digital skills: **Yes x No**
 Traineeship title: **Electron microscopic studies on self-organising Peptides**

Detailed programme of the traineeship: The program included the training and teaching of the student:
 a) running experiments on self-organisation of particular molecular entities (Oligopeptide - PirocFF)
 b) Preparation of appropriate sample for various microscope characterisation techniques - namely SEM, TEM and light microscopy.
 c) Training the student how to do reliable microscopic studies, in particular finding characteristic and reproducible structural features in the system and investigation, Separation of artefacts from significant structural features.
 d) Basic image analysis with imagej

Learning outcomes: knowledge, skills and competences acquired:
 a) planning and realising experiments in soft matter related to structural investigations
 b) Running scanning microscope independent
 c) Basics of microstructure preparation (hands on) by Ebeam lithography
 d) soft skill training on poster preparation

Monitoring: Regular discussions and interactions during training with the student

Evaluation: Preparing the results of the training periode for a conference on Nanoscience and presenting with a poster presentation



Higher Education
Learning Agreement Form
Bamberg, Semestri
Project Year 2019/2022

Trainee
Samant Banerjee

Signature *Samant Banerjee*

Date: 31.10.2019

Receiving Organisation
Prof. Dr. Hans-Görg Bräun
 Chair of Materials Science and Nanotechnology
 Leibniz Institute of Polymer Research Dresden e. V.
 Technische Universität Dresden

Signature *H. G. Bräun*

Date: 31.10.2019



Date: 17.07.2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Miss. Swastika Paul student of B.Tech. 6th semester in the discipline of Ceramic Technology from Government College of Engineering and Ceramic Technology, Kolkata has undergone Project Summer training at our Production Department, Katni Refractory Works from 22.05.2019 to 17.07.2019.

She worked on the project, titled " VSM AND MASS BALANCING IN LINE 1 & 2".

During training period her performance and conduct was very good.

We wish her success in her future assignments.


Industrial Operations Director
Katni Refractory Works

Calderys India Refractories Ltd.

"Katni Refractories Works" P.O. Katni, C.E., District - Katni - 483574, M.P. (India)

Phone : +91 762 222 4594 / 62 / 63 / 60 | Email : info.india@calderys.com | Website: www.calderys.com

CIN No. U02882MP2005PLC017895



सीएसआर्आईआर - केन्द्रीय काँच एवं सिरामिक अनुसंधान संस्थान
196, राज स च मल्लिक रोड, कोलकाता - 700 032, भारत
CSIR - CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE
196, Raja S C Mallick Road, Kolkata - 700 032, India



This is to certify that
Ms. SARMISTHA DAS
of

**Government College of Engineering and Ceramic
Technology,
Kolkata**

*Participated satisfactorily in the Summer Internship
Programme-2019*

on

**Synthesis and Characterization of Nano-structure
Calcium silicate and Magnesium silicate**

held during 20 May 2019 to 15 July 2019

(K. Muraleedharan)

Director

Dr. K. MURALEEDHARAN
Director
CSIR - Central Glass & Ceramic Research Institute
196, Raja S C Mallick Road, Kolkata - 700 032, India



Phone : 033-2473 0620, 2473 3405/707708, 2405 7548-48 2483 7549-40
DID Line : 2405 6670/6842 500 Fax : 033-2473 0973/02240 7063/61 602 4 0000
E-mail : dr_effice@cgcri.res.in
Website : www.cgcri.res.in

B. INFORMATION TECHNOLOGY 2018 – 19




Purpuligo Technologies

TO WHOM IT MAY CONCERN

This is to certify that Mr. Rahul Routh has successfully completed 8 Months (from 10th June' 2020 to 31st January' 2021) long internship programme at company's Jhargram Office. During the period of his internship programme with us he has worked in various live projects using Java, Android and MySQL. He was found punctual, hardworking and inquisitive.

For Purpuligo Technologies Private Limited


Sukharanjan Mahata
Director

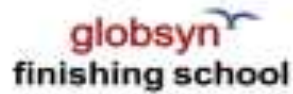
Date: 5th February' 2021

Purpuligo Technologies Pvt. Ltd.

Regd. Office - College More, Raghunathpur, Jhargram - 721507, WB, Ph. : +91-3221-257881, Email : info@purpuligo.com
Website : www.purpuligo.com, CIN (Corporate Identification Number) : U72300WB2015ZPTC205456



C. COMPUTER SCIENCE & ENGINEERING 2018 – 19



Gradesheet

Name : Md. Darain Firoz
College : Government College Of Engineering & Ceramic Technology
Technology: Machine Learning with Python
Project : Predict Outcome of Tennis match
Duration : June 2018 - July 2018
Grade : A




Place : Kolkata

Course Coordinator

Date : August 25, 2018

Globsyn Finishing School

LEGEND			
Marks (%)	Grade	Points	Remarks
>84	A+	8	Outstanding
83-84	A	7	Excellent
75-79	B+	6	Very Good
68-74	B	5	Good
58-67	C+	4	Satisfactory
47-57	C	3	Fair
40-46	D	2	Pass
<40	F	0	Fail

globsyn knowledge foundation

D. H. Road, Mouza Chand, PG – Bishnupur, J.L. No. – 10*, District -24 Parganas (South), Kolkata – 743503, India.

Phone: +91 (33) 6680 3668 Url: www.globsyn.edu.in Email: gkf@globsyn.com

INDIAN STATISTICAL INSTITUTE
203 Barrackpore Trunk Road, Kolkata 700108

Dipri Prasad Mukherjee, PhD, FIITJ, FCSI, FWRIST
Professor and Head
Electronics and Communication Sciences Unit
Computer and Communication Sciences Division

Telephone: 2575-2913, 2575-2902
Fax: 2575-2914, 2577-9935



Residence: 68, Acharya
Kolkata - 700108
Telephone: 25773351
Email: dipri@isical.ac.in

<http://www.isical.ac.in/~dipri>

July 2, 2019

To Whom It May Concern:

Ref: Recommendation for Mr. Soumya Ganguly and Mr. Animesh Ghosh

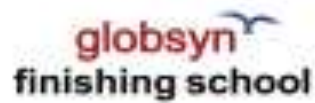
It is a pleasure for me to confirm that Mr. Soumya Ganguly and Mr. Animesh Ghosh of the Department of Computer Science and Engineering, Government College of Engineering and Ceramic Technology, Kolkata, had done their summer internship under my guidance at the Electronics and Communication Sciences Unit, Indian Statistical Institute (ISI) during 4th June to 4th July, 2018.

They had worked in a project related to developing a Decision Support System using CNN for an IoT based application. The specific objective of the project was to detect indicators and integrate inputs from the indicators so that presence or absence of a person inside a room may be decided. The overall idea is to fuse multiple sensory inputs to take a call on presence or absence of human inside the room. Both Soumya and Animesh had worked only on image data received from image sensor.

They had customized a vanilla CNN model to process the image data both for training and testing the above-mentioned conditions. I am impressed with their implementation and reengineering skill. Overall, I am satisfied with the performance of these two summer interns. I am confident that the skill set and confidence that they had developed at ISI, will be beneficial in their future endeavor.

With thanks,

Dipri Prasad Mukherjee



Provisional Certificate

This is to certify that Anjan Kumar Mahato of Government College Of Engineering & Ceramic Technology has successfully completed the program in Machine Learning with Python at Globsyn Finishing School's Summer School 2018.



Place : Kolkata

Authorized Signatory

Date : August 25, 2018

globsyn knowledge foundation

D. H. Road, Mouza Chand, PS – Behrampur, J.L. No. – 101, District -04 Fergana (South), Kolkata – 700033, India.
Kolkata 700061, India. Phone: +91 (33) 6600 3600 URL : www.globsyn.edu.in Email : glf@globsyn.com

Variable Energy Cyclotron Centre
Department of Atomic Energy
Government of India



परिवर्ती ऊर्जा साइक्लोट्रॉन केन्द्र
परमाणु ऊर्जा विभाग
भारत सरकार

Certificate of Training

13th July, 2018

This is to certify that **Miss. Antara Das** a 3rd year B. Tech. student of Computer Science & Engineering from Government College of Engineering & Ceramic Technology, W.B., Registration number 151130110004 has completed the project titled "Guest House Management System using Groovy, Grails & iText" during 14th June, 2018 to 13th July, 2018. She has been assessed on the basis of her overall performance during the training period and found to be **Excellent**.

Shri Vineet Kumar Rakesh
Guide

Dr P Y Nabhiraj
Training Coordinator

Mr Amitava Roy
Director



Sector-1, Block-Af, Bidhan Nagar, Kolkata - 700064, India. Web: <http://www.vecc.gov.in>
Tel: +91 33 23371230 (4 lines), Fax: +91 33 23346871



A. CERAMIC TECHNOLOGY 2017 – 18

TRL **KROS**AKI

Certificate



29th June - 2018

Manager (HRD)
L.J. Jagan Centre For Learning
TRL KROSAKI REFRACTORIES LIMITED
Belpahar, Jharsuguda, (Odisha)
PIN-768218

TRL **KROSAKI REFRACTORIES LIMITED**

(Formerly TATA REFRACTORIES LIMITED)
CIN: U26921OR1998PLC00049

Regd. Office: Belpahar 768218, Jharsuguda, Odisha, India
Tel: +91 6645 258388/258391/258396 Fax: +91 6645 258243/254
Website: www.trlkrosaki.com



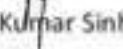
Date : 21st July, 2018

TO WHOM IT MAY CONCERN

This is to certify that Mr. Animesh Tarafdar, Roll No –GCECTB-R15-1002, a student of Govt. College of Engineering & Ceramic Technology, Kolkata, W.B, has undergone summer training on the project "How to increase Density of Kiln car" in our organisation from 22nd May, 2018 to 18th July, 2018.

During the period of his summer training programme with us, he had been exposed to the different process in our organisation and we found him to be sincere, diligent, and technically sound and result oriented. We take this opportunity to thank and wish him all the best for his career.

For Aditya Birla Insulators


Ajay Kumar Sinha
Unit HR Head





ADITYA BIRLA INSULATORS
Grasim Industries Limited
Unit - Aditya Birla Insulators
Raha Waha : P. O. : Phasa Nagar, Raoni, Dist. : Hooghly (W.B.), Pin : 712048, India
Tel. : 91 33 2600 7200 Fax : 91 33 2672 2705
W : www.adityabirlainsulators.com / www.grasim.com | CN : L17124MP1947PLC000410
Regd. Office : Birlagram, Nagda - 456 331 (M.P.)



Date: 19.07.2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Sriyam Ghosh student of B.Tech. 6th semester in the discipline of Government College of Engineering & Ceramic Technology, Kolkata has undergone Project Summer training at our Special Product Department, Katni Refractory Works from 21.05.2018 to 19.07.2018.

He worked on the project, titled "

- 1) Mass Balance in Monolithic Production (Line 1,2,4, & 5)
- 2) Mass Balance in Refractory Crushing Circuit.
- 3) Optimization of Grinding Aid to increase the throughput of Ball Mill.

During training period his performance and conduct was very good.

We wish his success in his future assignments.

MANAGER - HRA
KATNI REFRACTORY WORKS

Calderys India Refractories Ltd

Katni Refractory Works, P.O. Katni, C.F. District-Katni-483504, Madhya Pradesh (INDIA)
Tel : +91-7621-224564 / 62164166
E-mail : info.india@calderys.com & info@calderys.com
Legal Office : Katni Refractory Works, P.O. Katni, C.F. 483504, District-Katni (M.P.)
(CAT No. LR22605-483504/C217585)





Carborundum Universal Limited
 Industrial Ceramics Division, 47 B 48 (Part),
 Street Industrial Complex, Hosur - 525 126, TN, India
 Tel. + 91 4344 204700, Fax. + 91 4344 204808
 Website : www.cumi.com
 CIN No. L2822TN1959PLCO0014

July 02, 2018

CERTIFICATE

This is to certify that Mr. Avishek Ghosh, Third year student from the Department of Ceramic Technology of Government College of Engineering & Ceramic Technology, Kolkata has successfully completed his In-Plant Training with us from 21.05.2018 to 02.07.2018.

The Project titled "Glaze Thickness and Glaze Bubble Calculation" at Carborundum Universal Limited, Industrial Ceramics Division, Hosur is a record of work done by him. This project report represents entirely an independent work of the candidate under our supervision and guidance.

During the training period with us, we found him to be sincere and hard working.

We wish him success for all his future endeavors.

For Carborundum Universal Limited
 (Industrial Ceramics Division)

Karthikeyan C
 Executive - Human Resources





Prashikshan - 2018



SHAVAK NANAVATI TECHNICAL INSTITUTE
An ISO 9001:2008 Organization

CERTIFICATE

This is to certify that Borish Basley (Reg. No. VT20182067)
student of GOVT COLLEGE OF ENGINEERING AND CERAMIC TECHNOLOGY
has undergone Vacation Training Programme at TATA STEEL LTD., Jamshedpur from
26-June 2018 to 21-August 2018. The details of the programme are as under:

Department Covered	REFRACTORIES TECHNOLOGY GROUP
Project Title	CHARACTERIZATION OF VESSEL GUNNING AND PATCHING MATERIAL IN SMS

He/She has successfully completed the Programme.

Place : Jamshedpur
Date : 27-08-2018
Ref.No. : VT20182067

Coordinator
Vacation Training
TATA STEEL LTD.

SHAVAK NANAVATI TECHNICAL INSTITUTE, TATA STEEL Ltd, N-ROAD, BISTUPUR, JAMSHEDPUR - 831001, INDIA
Telephone : 91-657-2320243, Fax : 91-657-2320243, E-mail:vti.office@tatasteel.com



Ref : HRJ/TRN-53/PROJECT/07/2018

Saturday, July 21st, 2018

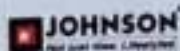
Certificate Of Training

This is to certify that **Mr. Joysurya Roy**, Third year student of B.Tech. (Spec-Ceramic Technology), from **Government College of Engineering & Ceramic Technology - Kolkata**, has completed his Industrial training from 21.05.2018 to 21.07.2018 from Prism Johnson Limited, R&D department of Industrial Product & Natural Resources Division of H&R Johnson (India), Pen. He has successfully completed his project on **"Fly Ash Based Ceramic Proppant"** and submitted the necessary reports.

We wish him all the very best for his future.

For
Industrial Products and Natural Resources,
H&R Johnson (India)
 (A division of Prism Johnson Ltd.)

Utkarsh Chitale
 (Sr. Executive - Human Resource)



PRISM JOHNSON LIMITED
 (FORMERLY PRISM CEMENT LIMITED)

Plant: Unit II, Village Gadab, Mumbai - Goa Road, Pen - 402107, District Raigad, Maharashtra, India.
 T: 2143 274 476 / 274 383 / 274101 / 02 / 03

Corporate Office: 7th Floor, Windsor, C.S.T. Road, Kalna, Santacruz (E), Mumbai - 400 098, India. T: +91-22-4064 7300 / 2654 7300
 Registered Office: Prism Johnson Limited, 305, Leem Niwas Apartments, Amanpet, Hyderabad - 500 016, India.

W: www.prismjohnson.in, www.pjre-endura.com E: info@prismjohnson.in

CIN: L26942TG1992PLC054033



Carborundum Universal Limited
 Industrial Ceramics Division, 47 & 48 (Part),
 Special Industrial Complex, Howrah - 725 325, (T.M. area)
 Tel: +91-0344-334783 Fax: +91-0344-334829
 Website: www.cumi.murugappa.com
 GST No.: 12A12FTN1059PLC060118

July 02, 2018

CERTIFICATE

This is to certify that Mr. MD Safiqul Islam, Third year student from the Department of Ceramic Technology of Government College of Engineering & Ceramic Technology, Kolkata has successfully completed his In-Plant Training with us from 21.05.2018 to 02.07.2018.

The Project titled "Touch Point Mapping and Detailed Study on Nickel Plating" at Carborundum Universal Limited, Industrial Ceramics Division, Howrah is a record of work done by him. This project report represents entirely an independent work of the candidate under our supervision and guidance.

During the training period with us, we found him to be sincere and hard working.

We wish him success for all his future endeavors.

For Carborundum Universal Limited
 (Industrial Ceramics Division)

Karthikeyan C
 Executive - Human Resources



Date 19.07.2018

TO WHOMSOEVER IT MAY CONCERN

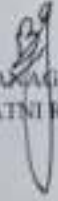
This is to certify that Mr. Prosanta Patra student of B.Tech. 6th semester in the discipline of Government College of Engineering & Ceramic Technology, Kolkata has undergone Project Summer training at our Special Product Department, Katni Refractory Works from 21.05.2018 to 19.07.2018.

He worked on the project, titled "

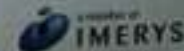
- 1) Mass Balance in Monolithic Production (Line 1,2,4, & 5)
- 2) Mass Balance in Refractory Crushing Circuit.
- 3) Optimization of Grinding Aid to increase the throughput of Ball Mill.

During training period his performance and conduct was very good.

We wish his success in his future assignments.


 MANAGER - HRA
 KATNI REFRACTORY WORKS

Calderys India Refractories Ltd.
 Katni Refractory Works, P.O. Katni, C.F. District Katni-491504, Madhya Pradesh (INDIA)
 Tel: +91-7622-224554 / 52 / 53 / 54
 E-mail: info@calindia.com • Website: www.calderys.com
 Regd. Office: Katni Refractory Works, P.O. Katni, C.F. 491504 District Katni (M.P.)
 CIN No: UO280CHP2005PR1017M3





HRD.VOC.01
30th June, 2018.

TO WHOM IT MAY CONCERN

This is to certify that Ms. Arjoma Chattopadhyay, Roll No: GCECTB-R15-1004, student of B. Tech (Ceramic Technology), Government College of Engineering & Ceramic Technology (GCECT), Kolkata, West Bengal has undergone her Internship Training in our Technology Department, Refractory Works, on the project topic "Effect of various Antioxidants on the property of Magnesite -Carbon Refractories" from 21st May to 30th June, 2018.

During the tenure of her training, her conduct and performance was found to be satisfactory.

We wish her all success in her career.

For OCL INDIA LIMITED,
Refractory Division


Arvind Kr Choubey
Manager (HR)



HRD:VOC:01
30th June, 2018

TO WHOM IT MAY CONCERN

This is to certify that Ms Debalina Mitra, Roll No: GCECTB-R15-1009, student of B.Tech (Ceramic Technology), Government College of Engineering & Ceramic Technology (GCECT), Kolkata, West Bengal, has undergone her Internship Training in our Technology Department, Refractory Works, on the project topic "Effect of various Antioxidants on the property of Magnesia - Carbon Refractories" from 21st May to 30th June, 2018.

During the tenure of her training, her conduct and performance was found to be satisfactory.

We wish her all success in her career.

For OCL INDIA LIMITED,
Refractory Division


Arvind Kr Choubey
Manager (HR)



HRD:VOC:01
30th June, 2018

TO WHOM IT MAY CONCERN

This is to certify that Ms Papiya Gayen, Roll No: GCECTB-R15-1016, student of B. Tech (Ceramic Technology), Government College of Engineering & Ceramic Technology (GCECT), Kolkata, West Bengal, has undergone her Internship Training in our Technology Department, Refractory Works, on the project topic "Effect of various Antioxidants on the property of Magnesia - Carbon Refractories" from 21st May to 30th June, 2018.

During the tenure of her training, her conduct and performance was found to be satisfactory.

We wish her all success in her career.

For OCL INDIA LIMITED,
Refractory Division

A handwritten signature in black ink, appearing to read 'Arvind Kr Choubey'.

Arvind Kr Choubey
Manager (HR)



HRD-VOC-01
30th June, 2018

TO WHOM IT MAY CONCERN

This is to certify that Ms Sunanda Saha, Roll No. GCECTB-R15-1034, student of B. Tech (Ceramic Technology), Government College of Engineering & Ceramic Technology (GCECT), Kolkata, West Bengal has undergone her Internship Training in our Technology Department, Refractory Works, on the project topic "Effect of various Antioxidants on the property of Magnesia - Carbon Refractories" from 21st May to 30th June, 2018.

During the tenure of her training, her conduct and performance was found to be satisfactory.

We wish her all success in her career.

For OCL INDIA LIMITED,
Refractory Division

Arvind Kr Choubey
Manager (HR)



Prashikshan - 2018



SHAVAK NANAVATI TECHNICAL INSTITUTE
An ISO 9001:2008 Organization

CERTIFICATE

This is to certify that Soumitra Mondal (Reg. No. VT20181937)
student of GOVT. COLLEGE OF ENGG. AND CERAMIC TECHNOLOGY
has undergone Vacation Training Programme at TATA STEEL LTD., Jamshedpur from
19-June 2018 to 07-August 2018. The details of the programme are as under:

Department Covered	COKE PLANTS
Project Title	CHARACTERIZATION OF COKE OVEN SILICA REFRACTORY

He/She has successfully completed the Programme.

Place : Jamshedpur
Date : 13-08-2018
Ref No. : VT20181937

Coordinator
Vacation Training
TATA STEEL LTD.

SHAVAK NANAVATI TECHNICAL INSTITUTE, TATA STEEL Ltd, N-ROAD, BISTUPUR, JAMSHEDPUR -831001, INDIA
Telephone : 91-657-2320243, Fax : 91-657-2320243, E-mail-srnl.office@tatasteel.com



Prashikshan - 2018



SHAVAK NANAVATI TECHNICAL INSTITUTE
An ISO 9001:2008 Organization

CERTIFICATE

*This is to certify that Abhishek Das (Reg. No. VT20181939)
student of GOVERNMENT COLLEGE OF ENGINEERING AND CERAMIC TECHNOLOGY
has undergone Vacation Training Programme at TATA STEEL LTD., Jamshedpur from
26-June ,2018 to 07-August ,2018. The details of the programme are as under:*

Department Covered	IRON MAKING REFRACTORIES
Project Title	IMPROVING EFFICIENCY OF GUNNITING REPAIRS OF TORPEDO LADLES.

He/She has successfully completed the Programme.

Place : Jamshedpur
Date : 17-08-2018
Ref No. : VT20181939

Coordinator
Vacation Training
TATA STEEL LTD.

SHAVAK NANAVATI TECHNICAL INSTITUTE, TATA STEEL Ltd, R-ROAD, BESTURPUR, JAMSHEDPUR -831001, INDIA
Telephone : 91-657-2320243, Fax : 91-657-2320243, E-mail-snti.office@tatasteel.com



Date: 19.07.2018

TO WHOMSOEVER IT MAY CONCERN


This is to certify that Mr. Sourojit Pal student of B.Tech. 6th semester in the discipline of Government College of Engineering & Ceramic Technology, Kolkata has undergone Project Summer training at our Special Product Department, Katin Refractory Works from 21.05.2018 to 19.07.2018.

He worked on the project, titled -

- 1) Mass Balance in Monolithic Production (Line 1,2,4, & 5)
- 2) Mass Balance in Refractory Crushing Circuit.
- 3) Optimization of Grinding Aid to increase the throughput of Ball Mill.

During training period his performance and conduct was very good.

We wish his success in his future assignments.


MANAGER - HRA
KATIN REFRACTORY WORKS

Calderys India Refractories Ltd.

Katin Refractory Works, P.O. Katin, C.I. District-Katin-402004, Madhya Pradesh (M.P.)
Tel: +91-7527-22084 / 62 / 63 / 64
E-mail: info.india@calderys.com & website: www.calderys.com
Katin Office - Katin Refractory Works, P.O. Katin, C.I. 402 504, District- Katin (M.P.)
CN No. U02940792005PL2017867



B. INFORMATION TECHNOLOGY 2017 – 18

	
	Certificate id: WB/GFS/5517/35811
<h3>Certificate</h3> <p>This is to Certify that</p>	
<p>Mr./Mrs./Ms..... <i>Rajib Sahoo</i></p> <p>of</p> <p><i>Government College Of Engineering & Ceramic Technology</i>.....</p> <p>has successfully completed program in</p> <p><i>Information Technology</i>.....(trade)</p> <p><i>ITE 7</i>.....(sub trade/s)</p>	
Date: ..27.07.2017.....	 Authorized Signatory

globsyn
finishing school



Certificate No: WB/GFS/SS17/35825

Certificate

This is to Certify that

Mr./Mrs./Ms. *Sirutosom Bala*
of

Government College Of Engineering & Ceramic Technology

has successfully completed program in

Information Technology.....(trade)

JEE 7.....(sub trade/s)

Date: *27.07.2017*.....


Authorized Signatory

globsyn
finishing school



Certificate to WB/GPS/5517/35823

Certificate

This is to Certify that

Mr./Mrs./Ms. *Samit Ghosh*
.....
..... of
..... *Government College Of Engineering & Ceramic Technology*
..... *has successfully completed program in*
..... *Information Technology* (trade)
..... *JEE 7* (sub trade/s)

Date: 17.07.2017,


Authorized Signatory



WTL/2017-18/4675

WebTek Labs Pvt. Ltd.

Project Completion Certificate

This is to certify that Ms./Mr. SAIKOT ROY
has successfully completed the Industry Oriented Training.

Course Name: ORACLE DBA Project Name: LIBRARY MANAGEMENT SYSTEM

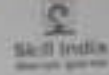
Training Date: 27-Jun-17 To 27-Jul-17

Training Location: KOLKATA

IT - ITeS SSC
NASSCOM
www.webteklabs.com



globsyn
finishing school



Certificate No. WB/GFS/3117/25837

Certificate

This is to Certify that

Mr./Mrs./Ms. Ayan Ghosh


of Government College Of Engineering & Ceramic Technology

has successfully completed program in

Information Technology (trade)

Mobile Application using Android 5 (lollipop) (sub trade/s)

Date: 27-05-2017


Saksham Singhary



Tech Mahindra Limited
Info city, 3rd-6th City Layer
Madhapur, Hyderabad 500081, India
Tel: +91 40 3061 6363
Fax: +91 40 2311 3811
techmahindra.com
Registered Office:
Gateway Building, Apollo Bunder Mumbai
400 001

Aug 07, 2021

To,
Rohit Basu,
E. RabindraNath Tagore Road, Nabapally, Bahala, Kolkata-700063.

Subject: Internship Completion Certificate

This is to certify that Rohit Basu (Associate ID – C97045) has completed internship program with Tech Mahindra Ltd. (From 24/05/2021 to 24/07/2021). He worked on the project titled Market Research and Consulting in Digital BSS Under the guidance Kannan Ramakrishnan.

Yours sincerely,
For Tech Mahindra Limited,

A handwritten signature in black ink that reads "Vinay".

Vinay Agrawal
Head-Business HR



C. COMPUTER SCIENCE & ENGINEERING 2017 – 18

