

पश्चिम बंगाल WEST BENGAL

AC 575075

THE MEMORANDUM OF UNDERSTANDING

THIS Memorandum Of Understanding is made on 18th day of December, 2021 at Durgapur

Between

COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, a Society registered under the Societies Registration Act XXI of 1860 and having its Registered Office at Anusandhan Bhawan, 2, Rafi Ahmed Kidwai Marg, New Delhi - 110 001 (hereinafter called '**CSIR**' which expression shall include its successors-in-interest and assigns) of the one part;

AND

Dr. B.C. Roy Engineering College, located at **Durgapur**, India and having its campus at **Fuljhor, Jemua Road, Durgapur Pin-713206** (hereinafter called '**BCREC**' which expression shall unless repugnant to the context includes its successors and assigns, of the second part;

However for any reference on execution of this agreement on behalf of the **CSIR** on all developmental matters, **CSIR-Central Mechanical Engineering Research Institute**, a constituent laboratory under **CSIR** having its office at Mahatma Gandhi Avenue, Durgapur-713 209 (hereinafter called **CSIR-CMERI**) may be referred in the first instance.



1. PREAMBLE

1.1 CSIR-CMERI is the apex R&D institute for mechanical engineering under the aegis of the Council of Scientific and Industrial Research (CSIR). Being the only national level research institute in this field, having expertise in Advanced Design And Analysis, Aero-systems, Industrial Research & Services, Farm Machinery, Business Innovation and Skills, Design Management and System Engineering ,Energy Research and Technology , Environmental Engineering, Foundry , Information Technology, Materials Processing & Microsystems, Robotics and Automation and Surface Engineering and Tribology, Condition Monitoring, Residual Life Assessment with proven track record in product and process development for engineering applications, is also engaged in the high end technology areas.

1.2 Dr. B. C. Roy Engineering College, Durgapur, has been set - up by a registered Society named after the legendary Chief Minister of partition-ridden West Bengal, Dr. Bidhan Chandra Roy. The industrial city of Durgapur had, and still has, a State - run Engineering College - National Institute of Technology (formerly Regional Engineering College), but the demand for engineering education far outstripped supply. Emboldened by the policy directions of the State and Central Government to widen the scale of engineering education, the Society, in 2000 embarked on the dream project of extending engineering education at Dr. B. C. Roy Engineering College with four disciplines - Computer Science and Engineering, Information Technology, Electrical Engineering and Electronics and Communication Engineering at the under - graduate level with sixty seats intake in each discipline, after gaining approval from All India Council for Technical Education, New Delhi and affiliation from the University of Burdwan. In the year 2001, the affiliation was transferred to West Bengal University of Technology, now renamed as Maulana Abul Kalam Azad University of Technology.

This Engineering College gradually enlarged the ambit and added three more undergraduate engineering disciplines - Applied Electronics and Instrumentation Engineering in 2001, Mechanical Engineering in 2003 and Civil Engineering in 2009. Also introduced were Masters level courses in Management and Computer Applications in the years 2004 and 2005.

Likewise, Masters degree courses in Electrical Engineering in 2007, Electronics and Communication Engineering in 2007, Computer Science and Engineering in 2009, were introduced, and in 2012, the M. Tech programme in Mechanical Engineering was introduced at the College.

In 2021 two undergraduate degree programmes in Artificial Intelligence and Machine Learning, and Computer Science and Design have been introduced. These courses of study are in contemporary and emerging areas of Science and Technology, and have gained recognition and popularity amongst learners.

The College received National Board of Accreditation for three under graduate disciplines in 2008 - Computer Science and Engineering, Electrical Engineering and Electronics and Communication Engineering. Presently two undergraduate programmes are **NBA Accredited**, and two more - Mechanical Engineering and Information Technology are awaiting accreditation since 2019.

Two other programmes - Electrical Engineering and the Masters degree programme in Management have also submitted documents relating to the accreditation process, and hopefully the much awaited inspection by the NBA Authorities shall not be too far away.



To promote great learning opportunity for the students who would be able to gain first-hand knowledge in the applied fields of Embedded System, Electrical Drives, Solar and Renewable energy, Mechanical, Robotics, Micro-Manufacturing, Patent filling and to also extend the knowledge- base utilizing the expertise and infrastructure of **CSIR-CMERI** as a part of the **CSIR** Integrated Skill Initiative, the two institutions, i.e. **CSIR-CMERI** and **BCREC** agree to the following broad terms of co-operation.

NOW IT IS HEREBY AGREED AND DECLARED BY AND BETWEEN THE INSTITUTIONS HERETO AS FOLLOWS:

2.0 **SCOPES OF MoU**

2.1 Both the Institutions will support each other's endeavors in delivery of industry-ready skilled youth force through the following, though not limited to:

- a. Hands-on skill promotion to 100 no. of students per year on mutually agreed date(s), jointly organizing skill development programmes and events such as seminars, workshop, and conferences.
- b. Exchange of information for effective conduct of need based skill development programmes in response to students' requirements.
- c. Both the Institute shall collaborate with each other in various common interest research problems.
- d. Enable Faculty members to submit research proposal jointly with the CSIR-CMERI Scientist(s) to various Govt. bodies (DST, DBT, AICTE, MSME) and Private Organization in their common interest. IP generated from these research works will be shared mutually.

2.2 Both Institutions acknowledge and understand that all financial arrangements in respect of Students' training programmes would be borne by the students (training fee = Rs. (X) / student (depends on Online and offline training course) and deposited by the college to bank account of CSIR-CMERI prior to each training program. The related Bank Account number shall be shared by CSIR-CMERI.



2.3 No Institution shall have the right to use the name or logo of another Institution without the prior approval of that Institution in writing.

2.4 The terms of this MoU may be modified / amended at any time subject to mutually consent, in writing. Such modifications/changes shall be effective from the date on which both the Institutions execute them in writing.

3.0 RESPONSIBILITIES OF BOTH THE INSTITUTIONS

3.1 **CSIR-CMERI** shall conduct the skill development programmes at **CSIR-CMERI** premises and shall also make available the necessary infrastructure and facilities for accomplishing the above laid down objectives.

3.2 **BCREC** shall depute batches (**100 students/year**) of UG students for undergoing training at **CSIR-CMERI** at mutually identified time periods throughout the year.

3.3 **BCREC** shall also pay the training fees to **CSIR-CMERI** prior to the commencement of each training programme.

3.4 **BCREC** shall also ensure observance of disciplined behaviour within the **CMERI** Campus by the deputed student batches and shall financially compensate for any damage to machine and property, if any, incurred during the training.

3.5 **Students'** accommodation, if required, during their period of training at **CSIR-CMERI** shall be provided by **BCREC** and **CMERI** shall extend the canteen facilities to the students on self-payment basis.

4.0 VALIDITY

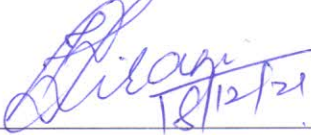
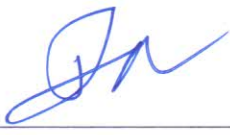
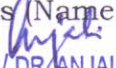


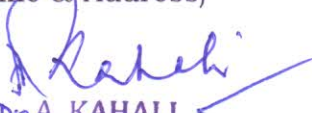
This MoU shall be in full force and effect from the date of signature hereof for a **period of 3 (three) years**. Either organization may terminate this MoU at any time by giving six months notice in writing to the other. In the event of termination, programmes under way shall be allowed to be completed according to the terms that have been agreed upon.

5.0 ARBITRATION AND JURISDICTION

1. In the event of any question/dispute/difference arising under the agreement or in connection herewith (except as to matters the decision of which is specially provided under this agreement) the same shall be referred to the Delhi International Arbitration Centre for appointment of Arbitration to adjudicate the dispute.
2. The award for the Arbitrators shall be final and binding on the parties. The Arbitrators may give interim award(s) and / or directions, as may be required.
3. Subject to the aforesaid provision, the arbitration and conciliation act, 1996 and the rules made hereunder and any modification thereof from time to time being in force shall be deemed to apply to the Arbitration proceeding under this clause.



IN WITNESS WHEREOF the parties have caused this MoU to be executed by their duly authorized officers on the respective dates and at the respective places hereinafter set forth.

Signed for and on behalf of CSIR (CSIR-Central Mechanical Engineering Research Institute)	Signed for and on behalf of Dr. B. C. Roy Engineering College
	
Seal: प्रो. (डॉ) हरीश हिरानी / Prof. (Dr.) Harish Hirani निदेशक / Director सी एस आई आर-केंद्रीय यांत्रिक अभियांत्रिकी अनुसंधान संस्थान CSIR-Central Mechanical Engineering Research Institute दुर्गापुर-७१३२०९ / Durgapur-713209, भारत / India	Seal: Dr. SANJAY S. PAWAR Principal Dr. B. C. Roy Engineering College DURGAPUR
Date: 18/12/2021	Date: 18/12/2021
Signed at: DURGAPUR	Signed at: DURGAPUR
1. Witness (Name & Address)  डॉ अंजली चैटर्जी / DR. ANJALI CHATTERJEE मुख वैज्ञानिक व प्रमुख Chief Scientist & Head व्यवसाय नवाचार एवं कौशल विभाग/Business Innovation and Skills सी एस आई आर केंद्रीय यांत्रिक अभियांत्रिकी अनुसंधान संस्थान CSIR-Central Mechanical Engineering Research Institute दुर्गापुर-९ / Durgapur-9, पश्चिम बंगाल / West Bengal	1. Witness (Name & Address)  Vice-Principal Dr. C. ROY ENGINEERING COLLEGE DURGAPUR
2. Witness (Name & Address)  (DR. BIPLAB CHOUDHURY) Scientist	Witness (Name & Address)  Dr. A. KHALI Head Administration Dr. B. C. Roy Engg. College Durgapur
Central Mechanical Engineering Research Institute Durgapur - 713209	

MEMORANDUM OF UNDERSTANDING

Between

DR. B.C ROY ENGINEERING COLLEGE-DURGAPUR



And

VITTI RESEARCH FOUNDATION

(A Non-Profit Section-8 Company)



Regd. under U/S Section 12A & 80G Income Tax Act
Accelerating AI Research & Implementation

AGREEMENT

FOR

JOINT COLLABORATION IN ESTABLISHING

Dr. B.C Roy Engineering College Innovation Hub (BRAIN)

FOR

RESEARCH & DEVELOPMENT, PROJECTS, CONSULTANCY, TRAINING & EDUCATION



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30/03/2022

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30/03/22
VITTI FOUNDATION

MEMORANDUM OF UNDERSTANDING

BETWEEN

DR. B.C ROY ENGINEERING COLLEGE

AND

VITTI RESEARCH FOUNDATION

Whereas, **Vitti Research Foundation**, a non-profit Section-8 company, has a focus to promote Artificial Intelligence & Robotics through Research, Training & Education, Consultancy, Projects & Products as well as Incubating & Mentoring Start-ups, having its registered office at 8/3 2nd floor, Abdul Aziz Road, W.E.A., Karol Bagh, Delhi-110005 and hereinafter unless the context otherwise requires be referred to as **Vitti**.

Whereas, **Dr. B.C Roy Engineering College** has been a pioneer in introducing academic and research programs in Management and also has been the hub of interdisciplinary and transactional research with a potential for technology transfer and commercialization of the innovative research products and hereinafter unless the context otherwise requires be referred to as **BCREC**.

WHEREAS, both BCREC and Vitti,
now

- § Recognizing the importance of growing need of Artificial Intelligence, Robotics & Emerging and Foundational Technologies in every aspect of life, have teamed up for undertaking Industry & Govt. projects, Consultancy, Training & Education, Research and Development in the areas of AI/ Machine Learning, Data Analytics, IOT, Blockchain, AR/VR/MR etc.
- § Appreciating the need for creation of large reservoir of highly qualified manpower in AI, Emerging & Foundational Technology space especially in areas such as Fintech, Media & Communication, Management, and Education etc.
- § Desiring to club their efforts by pooling their expertise and resources.

BCREC Intend to form an Special Purpose Vehicle (SPV), a Section-8 Company with Vitti having 30% stake to be named as BRAIN (BCREC AIEFT Innovation Hub) and working as nucleus for furthering Consultancy, Trainings & Education, Culture of promoting Research & Innovation, Technology Development, Delivery of Products & Projects along-with Incubating & Mentoring Start-ups.

NOW, THEREFORE, in consideration of the mutual promises made herein and of good and valuable consideration, the receipt and sufficiency of which both BCREC and Vitti hereby acknowledge and agree to sign a Memorandum of Understanding (MOU).



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VITTI RESEARCH FOUNDATION

ARTICLE-I: SCOPE OF THE MOU

The AI Innovation Hub is being set up with both short term and long-term objectives. This Innovation Hub will be named as **BRAIN** (BCREC AIEFT Innovation Hub).

- Set up a platform for research in Artificial Intelligence, AR, VR, MR, IOT, Blockchain etc.
- To create innovative application platform & domain capabilities across verticals for Digital India needs such as Fintech, Management, Media & Communication, Education, Environment, Smart City, Health & Life Science, and Agriculture among others.
- To provide an ecosystem for innovation to thrive and embrace entrepreneurship.
- Build Industry capable talent, startup community and entrepreneurial ecosystem for AI /ML and other associated cutting-edge technologies.
- Set up collaboration of Academia with Industry & Government to rework the technology back-ends to ensure smooth transition to next Industry Revolution (4.0).
- Provide support for all aspects of data analytics including support for analysis of large datasets and applications of artificial intelligence (machine learning) to all areas of research.
- In the long term, the education system, industry and policy makers adopt Artificial Intelligence and Emerging Technologies as a practice for betterment of society.
- Start-up support, Incubation specifically for AI technologies & industry event organization
- IPR Life Cycle Management including its commercialization supports
- The areas of cooperation can be extended through mutual consent.

ARTICLE-II: SCOPE AND TERMS OF INTERACTIONS

VITTI RESEARCH FOUNDATION:

- Help design a premier systems laboratory for R&D in Artificial Intelligence and align with immersive AR, VR, and MR research. For establishing the BRAIN (BCREC AIEFT Innovation Hub), a Detailed Project Report (DPR) will be required which will cover the following:
 - Structure of the AIEFT Innovation Hub (SAIN)
 - Hardware & Software requirements
 - Administrative and Technical staff requirements
 - Industry Connects
 - Revenue streams
- Take up Industry event organization. Vitti will take up effort to not only market AIEFT focused Industry event at BCREC will also support proper & detailed planning in terms of creating the awareness about the event using digital marketing, contacting Industry for arranging the speakers, to inviting the industry leaders for presentations, discussions etc. but also arranging seminar, talks, workshop, hackathon etc..
- Bring Industry problems and solve using AI research & implementation- domain focus (Production, Management practices, Education, Fintech, Environment, and Health & Life Science etc.)
- Support & Mentor start-ups and provide them Industry alignment
- Support IP evaluation, protection, market insight, prototype, negotiation till product development and license exploitation
- Amalgamate associated technology set e.g. 5G, Neurosciences, BCI, Mixed Reality to AI world and endeavor to help industry solve some of the real-world problems and deliver horizontal/vertical POCs & enterprise applications



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RESEARCH FOUNDATION

- Align with government, industry, premier academic institutions & research foundations globally to develop & deliver research-oriented Autonomous vehicle, AI & robotics implementations.
- Leverage Vitti's other COEs being established with premier institutions, universities and industry for project delivery, mentoring, training etc.
- Create a research hub focused on the fundamental AI problem sets and will endeavor to publish papers and generate Intellectual Property (IPs) in partnership with academia.
- Will be responsible of front ending through its AI Innovation Hub, operationalizing the Hub, conducting the daily operations, and ensuring the success of the AIEFT Innovation Hub.
- Provide world-class AI research base for master's & PhDs initiatives in conjunction with top Global Universities & Scholars.
- Work with University to create publication to promote safe AI with contributions from global best practices and works.
- Every internship program would be paid and the cost shall be decided by Vitti & BCREC jointly.
- Support design, delivery, and certification of courses on AI & Emerging Technologies

Dr. B.C Roy Engineering College:

- Provide human resources and physical resources on sharing basis to supports the activities of Hub, for project development, delivery, and content design, writing & retooling/reskilling of professionals, launch new courses on AI & Emerging Technologies.
- BCREC and Vitti will work together for obtaining International & Govt. grants, CSR funding, Industry projects, Research & Development, Proof of Concepts etc.
- BCREC will support for project consultancy, development & delivery.
- The Hub will work towards fostering research and education along with Government and Industry to bring in the following gains in this domain
- Build Artificial Intelligence & Data Analytics practice from the BCREC campus and bring research to the Hub.
- Bring Government funded projects to add to the Digital India and related projects and going forward deliver and monetize these projects.
- Build technology platform and create IPR for monetizing as well as putting to open cloud for more research and growth.
- Get Industry funding for immersive AR, VR, MR research and build assets.
- Establish AIEFT Innovation Hub to contribute in project delivery, R&D and creating 2D, 3D content

ARTICLE-III: EFFECTIVE DATE AND DURATION OF MOU

- This MOU shall be effective from the date of its approval by competent authorities at both ends. The duration of the MOU shall be for a period of 5 years from the effective date.
- During its tenancy, the MOU may be extended or terminated by a prior notice of not less than 3 months by either party. However, termination of the MOU will not in any manner affect the on-going projects or trainings being undertaken at that point of time under the MOU.
- Any clause or article of the MOU may be modified or amended by mutual agreement of Vitti and BCREC.

ARTICLE-IV: IPR

- Rights regarding publications, patents, royalty, ownership of product, design, process, code-base etc. under the scope of this MOU, shall be decided by the two parties by mutual consent.



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ARTICLE-V: CONFIDENTIALITY

- During the tenure of the MOU both BCREC and Vitti will maintain strict confidentiality and prevent disclosure of all the information and data exchanged under the scope of this MOU for any purpose other than in accordance with this MOU.
- Both BCREC and Vitti shall bind their respective personnel who come into possession or knowledge of any confidential information not to disclose the same to third parties without written approval of the disclosing party or use such confidential information for any use other than intended under this agreement or projects.
- Further both BCREC and Vitti shall put in place adequate and reasonable measures to keep and store confidential information secure so as to prevent any unauthorized use.
- CONFIDENTIAL INFORMATION shall mean any proprietary information, data or facts belonging to parties collectively or severally, disclosed by the disclosing party under this agreement or any subsequent agreement, whether in writing, verbal or electronically, irrespective of the medium in which such information is stored, which is marked confidential or with any other words having similar meaning by the disclosing party, or specifically agreed to be kept confidential by the parties, or declared or identified so by the disclosing party before such disclosure or during the discussions.
- However confidential information shall not include any data or information which:
 - Is or become publicly available through no fault of the receiving party
 - Is already in the rightful possession of the receiving party prior to its receipt of such data or information.
 - Is independently developed by the receiving party without reference to the confidential information of the disclosing party
 - Is rightfully obtained by the receiving party from a third party or is in the public domain.
 - Is disclosed with the written consent of the party whose information it is, or
 - Is disclosed pursuant to court order or other legal compulsion, after providing prior notice to The disclosing party

ARTICLE-VI: AMENDMENTS

Any amendment add /or addenda to the AGREEMENT shall be in writing and signed by the PARTIES Here to and shall only after such execution be deemed to form part of the AGREEMENT and have the effect of modifying the AGREEMENT to the extent required by such amendment or addenda.

ARTICLE-VII: RESOLUTION OF DISPUTES

- This agreement shall take effect and be construed in accordance with the Laws of India and be subject to the jurisdiction of the courts at Delhi/Kolkata.
- The dispute or difference whatsoever arises between PARTIES in relation to or in connection with this AGREEMENT both the parties shall first try to resolve the dispute/difference amicably between themselves, failing which the matter shall be referred to and settled through arbitration. The arbitration proceedings shall be held in accordance with the provision of THE ARBITRATION AND CONCILIATION (AMENDMENT) ACT, 2015. The venue of arbitration shall be Delhi/Kolkata and Language of arbitration shall be English



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30/03/2022

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VITTI
FOUNDATION

ARTICLE-IX: MISCELLANEOUS

- The headings and subheadings are inserted for convenience only and shall not affect the construction of this Agreement.
- Both BCREC and Vitti shall not, during the term of this Agreement directly or indirectly, solicit or offer employment or engagement to any of the personnel of other party without the prior consent in writing of that other party.
- No failure to exercise and no delay in exercising, on the part of a Party, and right, remedy, power or privilege hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any right, remedy, power, or privilege hereunder preclude any other or further exercise thereof or the exercise of any other right, remedy, power, or privilege. The rights, remedies, power and remedies, powers and privileges provided by law.
- After this Agreement has been signed, all preceding understandings/negotiations and correspondence pertaining to it shall become null and void.


ARTICLE-X: COORDINATORSHIP(s)

- The following members from BCREC and Vitti will coordinate the activities of BRAIN (BCREC AIEFT Innovation Hub).

ARTICLE – XI: COMMERCIAL TERMS

- For every training, project work, consultancy, research work, lab establishment, initiative etc. a detailed statement of work (SOW) will be developed highlighting roles and responsibilities along with Commercials and schedule.
- All the efforts (e.g. preparing the Detailed Project Report, Bill of Material, Conducting the Industry Event and operating the AI Innovation Hub) and resources provided for operationalization of BRAIN or projects will be charged. In addition any other expenses in terms of personnel travel & stay will also be charged on actuals by Vitti.

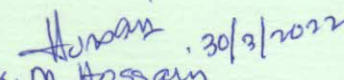
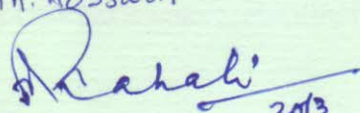
Dr. B.C Roy Engineering College


30/03/2022
Dr. Sanjay S. Pawar
Principal

Vitti Research Foundation


30/03/2022
Kundana Kumar Lal
President

Witness:

1. Name  30/3/2022
k. m. Hossain
2. Name 
AKHILESH KHATIWALA 30/3/22

Witness:

1. Name
2. Name





Capgemini Technology Services India Limited
(Formerly known as IGATE Global Solutions Limited)
Candor Tech Space IT/ITES SEZ, Tower A1-2nd Floor,
Tower A2-1 & 2nd Floor, Tower A3-1st to 4th Floor,
Action Area -1D,Block-DH, Newtown, Rajarhat,
North 24 Parganas, Kolkata - 700156, West Bengal, India.
Tel: + 91 33 6621 5000 | Fax: + 91 33 6621 5032
www.capgemini.com/in-en

Memorandum of Understanding (MOU)

This MEMORANDUM OF UNDERSTANDING (MOU) is entered on 13.04.2022 by and between:

- I. **Capgemini Technology Services India Limited**, a company incorporated under the Companies Act, 1956 with its office at Plot No. 14, Rajiv Gandhi Infotech Park, Hinjewadi Phase-III, MIDC-SEZ, Village Man, Taluka Mulshi, Pune – 411057 Maharashtra (hereinafter referred to as “CAPGEMINI” which expression shall unless excluded by or repugnant to the context, be deemed to mean and include its successors-in-interest, assigns and affiliates,

AND

- II. **Dr. B. C. Roy Engineering College**, located at Jemua Road, Fuljhore, Durgapur-713206 West Bengal Hereinafter referred to as the “BCREC” which expression shall unless excluded by or repugnant to the context, be deemed to mean and include its successors-in-interest, assigns and affiliates).

CAPGEMINI and BCREC are also referred to as the “Parties” in the collective and as the “Party” in the singular.

1. This MOU between CAPGEMINI and BCREC is executed with the objective of fostering collaboration between the two institutions to promote industrial and academic interaction to help enhance the pool of student talent (“Collaboration”). The collaboration hereunder shall commence on 13/4/2022 and will be valid for 2 years from the date of commencement. The educational programs conducted under this Collaboration will offer an opportunity: (Refer Annexure I)
2. Either party shall make available appropriate infrastructure facilities for the collaboration, which may include general access to the facilities, faculty, staff, teaching content, classrooms, library facilities, computer and communication facilities, stationery and other materials as may be required for the various programs to be offered. This shall however be subject to the requirements of clause 7 and 8 below.
3. This Collaboration is non-exclusive and each party shall be free to enter into similar collaborations with other institutions/organizations.
4. Institution agrees to unconditionally grant CAPGEMINI a preferential status for recruiting its students from the campus
5. The parties to this collaboration, unless expressly stated in any subsequent written agreement, shall have no obligation to compensate the other in any manner. Each party shall bear their respective expenses incurred under this Collaboration.



Capgemini Technology Services India Limited

(Formerly known as IGATE Global Solutions Limited)

Candor Tech Space IT/ITES SEZ, Tower A1-2nd Floor,
Tower A2-1 & 2nd Floor, Tower A3-1st to 4th Floor,
Action Area -1D,Block-DH, Newtown, Rajarhat,
North 24 Parganas, Kolkata - 700156, West Bengal, India.
Tel: + 91 33 6621 5000 | Fax: + 91 33 6621 5032
www.capgemini.com/in-en

6. Neither party shall:
- Infringe the intellectual property belonging to the other party.
 - Use any trade name, trade mark, symbol or designation belonging to the other without prior written approval of the other party.
 - Be or represent itself as a representative of the other.
 - Create any liability for the other.

The parties shall keep the other indemnified against the breach of this clause.

7. Confidential Information shall mean all proprietary information or data furnished by either Party and/or its affiliates before or after the effective date hereof, whether written or oral which includes but is not limited to Parties trade secrets, processes, devices, designs, concepts, improvements, know-how, algorithms, models, inventions (whether or not patentable or copyrighted), developments, decision technology, specifications, techniques, sketches, works of authorship, applications processes, strategies, designs, photographs, profile of its subsidiaries, branches or details of shareholding, financials, projections, track record, profile of product, any data or information regarding either Parties employees, prospective employees, business objective / criteria, employee lists, employee profiles, employee information, and other documentation relating to past, present or future business activities and services, which is disclosed by the party within thirty (30) days of the disclosure and which was designated as 'Confidential' or with a similar legend at the time of disclosure.

Both Parties agrees and confirms that it shall not use, share, and reveal any Confidential Information provided by either Parties for any purpose other than for rendering services under this MoU and provide it only on a need to know basis to its Personnel (including subcontractors wherever applicable) for provision of Services under this MoU with prior written permission from the other Party. The Parties will ensure that all Personnel assigned to provide the Services under this MoU have signed appropriate confidential and non- disclosure agreement (NDA) (with terms no less onerous than terms appearing in this MoU) to ensure either Parties Confidential Information disclosed under this MoU is protected from unauthorized use and disclosure. Both Parties hereby assumes full liability for the actions of its Personnel who have access to the Confidential Information provided by each other and agrees that it shall be liable for all such actions as though those actions where the actions of the other.

Save as permitted in clause above:

- either Party shall not mention or otherwise use the name or trademark of each other or its affiliates in any publication, press release, promotional material or other form of publicity without the prior written consent of the appropriate individual designated for the purpose by concern Party;



Capgemini Technology Services India Limited
(Formerly known as IGATE Global Solutions Limited)
Candor Tech Space IT/ITES SEZ, Tower A1-2nd Floor,
Tower A2-1 & 2nd Floor, Tower A3-1st to 4th Floor,
Action Area -1D,Block-DH, Newtown, Rajarhat,
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Tel: + 91 33 6621 5000 | Fax: + 91 33 6621 5032
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- the receiving Party shall take all steps as may be reasonably necessary to protect the integrity of the Confidential Information and to ensure against any unauthorized disclosure thereof;
- promptly inform the other of any potential or accidental disclosure of the Confidential Information and take all steps, together with the aggrieved Party, to retrieve and protect the said Confidential Information;
- use the Confidential Information only for the purpose for which it was provided and not profit from the same in any unauthorized manner to the exclusion of the disclosing Party.

Both Parties acknowledges that in the event of any breach or threatened breach of this clause by either Party or its Personnel, monetary damages may not be an adequate remedy, and therefore, the Parties shall be entitled to injunctive relief to restrain the other or its Personnel from any such breach, actual or threatened.

8. Either Party shall not be liable for any indirect, exemplary, special, punitive, consequential or incidental losses, damages, claims, liabilities, charges, costs, expenses or injuries (including, without limitation, loss of use, data, revenue, profits, business and for any claims of customers of other Party or other third parties claiming through such other Party) that may arise out of or be caused in connection with or result from this MoU or any other obligations undertaken under the terms of this MoU.
9. The Institution agrees to ensure that all personnel from the Institution (including students) abide by the applicable CAPGEMINI policies when working on CAPGEMINI premises with regard to Collaboration. The Institution agrees to keep CAPGEMINI fully indemnified against any unlawful activity or breach of instructions from CAPGEMINI by any personnel (including students) admitted to the Collaboration hereunder, including acts of hacking.
10. All or any dispute arising between the parties in respect of this MoU of whatsoever nature shall be resolved under the laws of India and any or all such disputes will be subject to the exclusive jurisdiction of the courts in Mumbai/Kolkata, India.
11. This MoU is not intended to create any relationship in the nature of franchise, joint venture, or agency between the Parties. Neither Party shall act in a manner that expresses or implies a relationship other than that of independent contractors, nor bind the other Party. Either Party or any of its employees/ personnel shall not, under any circumstances, be deemed to have any employer-employee relationship with the other Party.
12. This MoU has been signed in duplicate, each of which shall be deemed to be an original.

IN WITNESSES WHEREOF the parties have signed this MoU on this date, month and year first above written:



Capgemini Technology Services India Limited
(Formerly known as IGATE Global Solutions Limited)
Candor Tech Space IT/ITES SEZ, Tower A1-2nd Floor,
Tower A2-1 & 2nd Floor, Tower A3-1st to 4th Floor,
Action Area -1D,Block-DH, Newtown, Rajarhat,
North 24 Parganas, Kolkata - 700156, West Bengal, India.
Tel: + 91 33 6621 5000 | Fax: + 91 33 6621 5032
www.capgemini.com/in-en

Annexure I

Work Place Services

Commitments from Capgemini:

- Ice breaker session and fun activity
- Orient Faculty members on Cloud Infra Services opportunities and career path
- Plan for two days faculty development program once in a year on Cloud Infra technology road map and developmental skills
- Conduct orientation session for students on Cloud Infra and career opportunities
- Subject matter experts of Capgemini would interact with students once in a month at minimum to create interest on Cloud Infra skills
- Provide project ideas and remotely mentor students to execute projects in College Campus
- Conduct awareness sessions and optionally run mock tests to help students prepare for placement
- Provide assistance and feedback for the CIS course curriculum and suggest enhancements
- Provide internship opportunities to qualified students trained in the last semester
- Train the trainer and utilize the services for pre-training activities of recruited students in the campus itself, after confirmation and agreement on the standards.
- Guest lectures on technical and life skills
- Create month on month schedule
- Deliver minimum of 2 guest lectures on leading technologies or mutually agreed topics subject to expert's availability
- Conduct workshops to make students embrace new technologies or methodologies
- Provide opportunity for BCREC's Students and Faculties to participate in Capgemini's TechFiesta
- Capgemini Tour for Final Selects (max 30) and Happy Hour for Final Selects (Connect with Senior Leaders, HR)
- Capgemini to provide pre joining learning opportunities (e.g. ADAPT) to Campus selects
- Capgemini to provide Exhibition/Project Expo Panelists (min 2)
- Capgemini can get help of the teaching faculties of BCREC for contributing to the professional activities based on expertise and experience in the respective field.

Commitments from BCREC

- Closely work with Capgemini Relationship Sponsor to agree on Engagement Charter.
- Finalise and agree on dates, topics, time slots for Guest Lecture, Faculty Development Program and other activities.



Capgemini Technology Services India Limited

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Tower A2-1 & 2nd Floor, Tower A3-1st to 4th Floor,
Action Area -1D,Block-DH, Newtown, Rajarhat,
North 24 Parganas, Kolkata - 700156, West Bengal, India.
Tel: + 91 33 6621 5000 | Fax: + 91 33 6621 5032
www.capgemini.com/in-en

- Invest/Upgrade in WPS labs as needed
- The Physical infrastructure of WPS Academy will be maintained and managed by BCREC.
- Encourage students to actively participate in all engagement activities and provide necessary support
- Invite Capgemini representatives to participate in BCREC's TechFest
- Include Capgemini representatives on the Advisory board/Committee to give inputs on Curriculum and the CoE roadmap.
- Support during Campus drives and provide preferential hiring slot to have access to 90% of campus pool
- Provide extensive support to launch new initiatives
- Invest, Train and develop BCREC's faculty on WPS technologies / process.



Capgemini Technology Services India Limited
(Formerly known as IGATE Global Solutions Limited)
Candor Tech Space IT/ITES SEZ, Tower A1-2nd Floor,
Tower A2-1 & 2nd Floor, Tower A3-1st to 4th Floor,
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North 24 Parganas, Kolkata - 700156, West Bengal, India.
Tel: + 91 33 6621 5000 | Fax: + 91 33 6621 5032
www.capgemini.com/in-en

Accepted for and on behalf of **Capgemini
Technology Services India Limited**

Signed: _____

Name: DAVID SALDANHA

Position: VICE PRESIDENT

Date: 13/04/2022

Accepted for and on behalf of **Dr. B. C. Roy
Engineering College**

Signed: _____

Name: SANJAY S. PAWAR

Position: PRINCIPAL

Date: 13/04/2022



भारतीय राश्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
NATIONAL HIGHWAYS AUTHORITY OF INDIA
(MINISTRY OF ROAD TRANSPORT AND HIGHWAYS, GOVT. OF INDIA)

परियोजना निदेशक का कार्यालय, परियोजना कार्यान्वयन इकाई
Office of the Project Director, Project Implementation Unit
एन एच ए आई कॉम्प्लेक्स, सेक्टर-२(ए), विधाननगर
NHAI Complex, Sector-2(A), Bidhannagar
दुर्गापुर - 713212, Durgapur - 713212

दुरभाष / Phone No. : (0343) 253 5766
: 253 4815
फैक्स नो / Fax No. : (0343) 253 4676
ई-मेल / E-mail : dur@nhai.org
: nhaipiudgp@yahoo.com

Dated : 28.10.2020

Ref. No. : 11021/3/2020/PIU(DUP)/BCREC /4315

To

Sh. Piyush Pal Roy
Director
Dr. B.C. Roy Engineering College
Jemua Road, Fuljhore, Durgapur - 713206

Sub: MOU for working together with mutual co-operation for dissemination of respective expertise in civil / highway engineering field through the road infrastructure development.

Sir,

Please find enclosed herewith a copy of the Memorandum of Understanding (MOU) dated 15.10.2020 for working together with mutual co-operation for dissemination of respective expertise in civil / highway engineering field through the road infrastructure development, duly signed by Chief General Manager (Tech), NHAI, Regional Office, Kolkata on behalf of National Highways Authority of India, for your information and necessary action.

Yours faithfully

Encl. : MOU (in original)

(S.K. Mallik)
Project Director

Copy to :-

1. The Chief General Manager (Tech), NHAI, Regional Office, Kolkata for kind information please.
2. The General Manager (Tech)WB, NHAI HQ for kind information please.

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter referred to as "MoU") entered into on this ^{15th} day of ^{Oct} 2020 by and between:

National Highways Authority of India (NHAI) (which expression shall unless repugnant to the context or meaning thereof be deemed to mean and include its successors and permitted assigns) of the First party;

AND

The **Dr. B. C. Roy Engineering College Durgapur, West Bengal-713206, INDIA** (hereinafter called as **The Technical Institute** which the expression shall unless repugnant to the context or meaning thereof be deemed to mean and include its successors and permitted assigns of the Second Party
WHEREAS

Both the Technical Institute (TI) and NHAI are desirous of working together with mutual cooperation for dissemination of respective expertise in civil / highway engineering field through the road infrastructure development.

NOW, THEREFORE, IT IS HEREBY AGREED BY THE PARTIES AS FOLLOWS:

1. INTENT:

National Highways Authority of India (NHAI) intends to associate the TI who shall voluntarily contribute its share of experience for betterment of the highway infrastructure.

2. SCOPE OF THE MOU

The primary scope of MOU inter alia includes the following:

(i) NHAI shall facilitate the faculty, researchers and students of the Institute to familiarize with the latest trends in the highway/transportation/bridge engineering/structural engineering/Geotechnical Engineering sector with a common objective of sharing the knowledge in their respective domain which may lead to joint supervision of Ph.D. research and projects of postgraduate students. This will, in one hand, facilitate to bridge the industry institute gap and familiarize students with the latest trends in industry and on the other hand the research output could be suitably adopted in practice by NHAI and the Technical Institute.

(ii) The Institute shall adopt nearby stretches of NHs as specified in the Appendix-1 as a voluntary initiative under ambit of Institutional Social Responsibility (ISR). The list of stretches may be modified by deletion / addition by mutual consent of NHAI and the Technical Institute.

(iii) The adopted stretch may be used as a field of study for faculty researchers and students.

(iv) NHAI shall offer internship to 20 number of undergraduate/postgraduate students of the Institute for 2 months duration in a year extendable from time to time.



Pijush Pal Roy
DIRECTOR
Dr. B. C. Roy Engineering College
DURGAPUR



R. P. SINGH
CGM (T) / RO
NHAI, Kolkata

(v) NHAI shall pay stipend @ Rs 8,000/- (Rupees Eight Thousand Only) per month for undergraduate students and @ Rs 15,000/- (Rupees Fifteen Thousand only) per month to Postgraduate students. All other arrangements including stay shall be responsibility of the Institute. However, depending upon availability, NHAI may extend transportation facility to the interns within the project jurisdiction.

(vi) Both the parties may form joint research groups leading to students' projects at different levels and collaborative research programmes.

(vii) Both the parties may jointly organize events such as seminars, workshops, conferences and training programmes.

(viii) No party shall have the right to use the name or logo of the other party without the prior approval of that party in writing.

(ix) The terms of this MoU may be modified/ amended at any time subject to mutual written agreement. Such modifications/changes shall be effective from the date on which both the parties execute them in writing.

(x) Any other research collaboration not covered above, shall have separate agreement/terms of contract that addresses issues such as Intellectual Property Right (IPR), funding pattern, disclosure of confidential information etc.

(xi) Any other matter(s), as mutually agreed, which are not covered above


3. Roles and Responsibilities:

The scope of this MOU shall be carried out in a collaborative mode between NHAI and the Technical Institute. The Roles & Responsibilities of NHAI are the Technical Institute in performing the defined objective shall be as follows:

NHAI

- a. NHAI shall provide the list of potential stretches of National Highway for adopting by the Technical Institute
- b. NHAI shall facilitate availability of relevant data required with specific reference to the above stretches through its field office consultants/concessionaire/contractor engaged in the project.
- c. NHAI Will nominate an officer as a Node of contact for all correspondence in carrying out the defined objective.
- d. NHAI shall facilitate the faculty, researchers and students of the Institute to give access to the site of the identified stretch being adopted by the Technical Institute, relevant documents for the purpose of activities to be carried by these intellectuals of the Institute.
- e. NHAI through its field office Consultant Concessionaire Contractor engaged in the project as per reasonable requirement will disseminate and familiarize the latest trends and know how in highway/transportation/bridge engineering/Structural and Geotechnical Engineering(s) sector in general and the identified project in specific to the authorized faculty, researchers and students of the Institute.
- f. NHAI may suitably adopt the research output and feedback received from the Technical Institute in practice for qualitative improvement as deemed fit at appropriate stage of implementation.


Pijush Pal Roy
DIRECTOR
Dr. B. C. Roy Engineering College
DURGAPUR


R. P. SINGH
CGM (T) / RO
NHAI, Kolkata

- g. NHAI may support creation of Lab infrastructure in the Institute and can sponsor relevant research project that helps in using alternative resource material and improving quality of roads/bridges.
- h. The NH stretch adopted can be co-branded with the associated technical institute by NHAI

The Technical Institute

- a. The Institute shall adopt stretches of NHs as specified in the Appendix 1 as a voluntary initiative
- b. The Technical Institute through its authorized faculty researchers and students will carry out periodic investigation on formal demands/ intimation and give suitable suggestions for improving the efficiency of existing highway asset covering the following aspects :
- (i) Improvements in safety provision by removing existing deficiencies;
 - (ii) Improvements in continual existing maintenance of the stretch using new alternatives/ technologies;
 - (iii) Localized solutions for removal of congestion points, if any, so as to increase the average speed of traffic flow;
 - (iv) Improvements in the riding comfort through cost effective measures, if required, based on innovative technologies on practices applicable in the area;
 - (v) Viability of new way side amenities for road user based on the existing traffic pattern and user expectations;
 - (vi) Potential and probable solutions to old recurring problems based on local experience etc., wherever applicable.
 - (vii) Improvements in structural performance of bridges using new technologies;
 - (viii) Any other matter(s) such as structural performance audit of bridges, implementation of new innovative alternative technologies and construction materials, etc. on mutual agreement, which are not covered above;
- c. The Institute may also associate with the Consultant/NHAI during conceptualization, design and project preparation of new projects and suggest the relevant parameters and innovations based on experience specific to the site climate, topography and resource potential for better socioeconomic outcome.
- d. The Technical Institute will nominate a nodal officer for all correspondence in carrying out the defined objective as well as inform from time to time.



Pijush Pal Roy
DIRECTOR
Or. B. C. Roy Engineering College
DURGAPUR


R. P. SINGH
CGM (T) / RO
NHAI, Kolkata

4. EFFECTIVE DATE AND PERIOD OF MOU

This MoU shall come into effect for all its intents and purposes from the immediate effect and shall remain valid for a period of 5 years from the date of signing. In the event of any dispute or difference arising in the implementation of the MoU, such disputes shall be resolved amicably by mutual discussions by both parties. All such decisions shall take into account the status of students working/projects under this arrangement and the interest of such students/ projects shall be protected. The MoU may be terminated by mutual consent by either party by giving 60 days' notice in writing to the other party.

For the Technical Institute
(Dr. B.C. Roy Engineering College, Durgapur)


(Authorized Signatory)
Pijush Pal Roy

DIRECTOR

**Dr. B. C. Roy Engineering College
DURGAPUR**

Witness:

1. Sanjay Sengupta
(Dr. SANJAY SENGUPTA)
HoD, Dept. of Civil Engg.
2. Soumyadip Das
Asst. Prof., Dept. of Civil Engg.
(Specialized in Transportation Engg.)

For National Highways Authority of India



(Authorized Signatory)

R. P. SINGH
CGM (T) / RO
NHAI, Kolkata

Witness:

1. Shailendra Shambhu (SHAILENDRA SHAMBHU)
MANAGER (Tech.), Ro-Kolkata, NHAI.


2. S.K. Mallik


S.K. Mallik, PD
NHAI, PIU-Durgapur

The institute shall adopt the following stretch(es) of NHs as a voluntary initiative under the ambit of Institutional Social Responsibility (ISR).

Sl. No.	Details of the stretch (from Chainage to Chainage)	NH No	Length(In Km)	Stage of implementation (completed/under construction/under maintenance/project preparation)	Remarks
1	Rehabilitation and up-gradation of existing road to 2-lane with paved shoulders configuration in Purulia (Jhr Border) – Chandil (Junction with NH-33) section of NH-32 from Km. 70.524 (JH/WB Border) to Km. 84.400 (near Sainik School, Purulia) and from Km. 94.300 (near Simulia Junction, Purulia) to Km. 153.705 (near Chandil, Junction with NH-33 in the state of Jharkhand)] in the states of West Bengal and Jharkhand under NHDP IV-B on EPC basis (Adopted Stretch From Km.70.524 to Km.84.400)	NH-32 (New NH-18)	13.876	Under construction	
2	6-laning of Panagarh-Palsit(from Km.521.120 to Km.588.870) Section of NH-19 in the state of West Bengal (Adopted Stretch From Km.521.120 to Km.540.000)	NH-02(New NH-19)	18.88	Under maintenance/project preparation	

Above list of stretches may be modified by deletion/addition by mutual consent of NHAI and the Technical Institute.


 15/10/2020.
Pijush Pal Roy
 DIRECTOR
 Dr. B. C. Roy Engineering College
 DURGAPUR


 R. P. SINGH
 CGM (T) / RO
 NHAI, Kolkata

PIJUSH
PAL ROY

PIJUSH PAL ROY
 2021.03.24
 16:30:11 +05'30'



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport & Highways, Govt. of India)



परियोजना निदेशक का कार्यालय, परियोजना कार्यान्वयन इकाई
Office of the Project Director, Project Implementation Unit
एन एच ए आई कम्प्लेक्स, सेक्टर-२(ए), विधाननगर,
NHAI Complex, Sector-2(A), Bidhannagar,
दुर्गापुर-१२, Durgapur-713212

दुरभाष / Phone No. : (0343) 253 5766
253 4815
फैक्स नो / Fax No. : (0343) 253 4676
ई-मेल / E-mail : dur@nhai.org
nhaipiudgp@yahoo.com

Ref. No. : 11021/3/2020/PIU(DUP)/BCREC/ 808

Date: 17.05.2021

To,

Dr. Sanjay Sengupta
Nodal Officer
HOD, Dept. of Civil Engineering
Dr. B.C. Roy Engineering College
Jemua Road, Fuljhore, Durgapur - 713206

Sub.: MOU with Dr. B.C. Roy Engineering College - Request for suggestions for improving the efficiency of existing highway assets - reg.

Ref: MOU dated 15.10.2020.

Sir,

Please refer MOU dated 15.10.2020 signed between your College (Technical Institute) and NHAI, wherein Technical Institute through its authorized faculty researches and students will carry out periodic investigation on formal demand / intimation and give suitable suggestion for improving the efficiency of existing highway asset covering the aspects outlined under MOU.

Since, 5 no. of students of your College has successfully completed internship at NH-32 project site for the month of April' 2021 therefore it is requested to submit a feedback report on construction activity and also forward further improvement in the ongoing construction work / maintenance work of NH-32.

Yours faithfully

(S.K. Mallik)
Project Director

Copy to: for information and necessary action.

1. The Team Leader, M/s L N Malviya Infra Projects Pvt. Ltd., Purulia.
2. The Project Manager, M/s DRA Infracon Pvt. Ltd., Purulia.

Copy also to: for information:

1. The Chief General Manager(Tech)-RO-Kolkata, NHAI, Kolkata.



Dr. B. C. ROY ENGINEERING COLLEGE, DURGAPUR

(Approved by AICTE & Affiliated to MAKAUT, WB)

CAMPUS : JEMUA ROAD, FULJHORE, DURGAPUR-713206 (W.B.), INDIA
☎ : (0343) 250-1353/4106/4121/4245/8800443456, Fax : (0343) 250-4059
E-mail : info@bcrec.ac.in • Website : www.bcrec.ac.in

BCR/ME/Project Thesis/CMERI/2022/01

Date: 13.06.2022

To
The Director
CSIR-CMERI
Durgapur-713209

Sub: No Objection letter for final year M. Tech Project

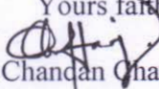
Dear Sir,

We would request you to kindly allow the following final year M. Tech student of Mechanical Engineering Department in your esteemed organization to pursue his final year M. Tech Thesis under the joint guidance of Prof. Subhajit Bhattacharya, AP, ME Department, BCREC and Dr. D. N. Ray, Senior Principal Scientist in CSIR- CMERI Durgapur. The Particulars of the students are given hereunder:

Sr. No	Name	University Roll no	Mobile no
1	Krishanu Roy	12062421002	8348732590 / 7908583368

The student will make his own arrangement for transport/conveyance, The Student will make his own arrangements for stay and this visit shall not entitle him to claim for employment. You may charge any fees, if applicable, which the students will pay

Thanking you,

Yours faithfully,

(Dr. Chandan Chatteraj)

Head, Mechanical Engineering Department
Dr. B. C. Roy Engineering College, Durgapur

H.O.D. / M.E.
Dr. B. C. Roy Engg. College, Durgapur



**Dissertation work at CSIR-CMERI
leading to Academic Degrees
Terms & Conditions**



(To be signed by the student and sponsoring institute)

1. I, KRISHANU ROY, a student of MECHANICAL ENGINEERING, FINAL YEAR agree to work for my PhD/ME/M.Tech dissertation in the area of MECHANICAL ENGINEERING under the supervision of DR. D. N. RAY of CSIR-CMERI.
2. I agree to pay a sum of Rs.10,000/- (Rupees Ten Thousand only) to CSIR-CMERI as the course fee.
I absolve CSIR-CMERI from the responsibility of any accident or injury, etc. sustained by me during my dissertation work at CSIR-CMERI.
3. I would strive my best to prevent any damage to facility, instrument or equipment and shall be held responsible for any loss or damage of any facility, instrument of equipment belonging to CSIR-CMERI arising out of negligence on my part during the tenure of my work.
4. I would abide strictly by the rules and regulations of CSIR-CMERI, Durgapur and would not cause any embarrassment to the Institute inside and outside the Institute premises.
5. I will not file any application for seeking Intellectual Property Rights (IPR) in my own name or in the name of my associates or any other person on any matter relating to the work without permission from CSIR-CMERI.
6. I shall endorse the decision of my thesis supervisor at CSIR-CMERI in regard of deciding the names of authors/investigators in case of publication or IPR, if any, generated from the work.
7. I and my parent institute will maintain absolute secrecy regarding any information, such as drawings, sketches, reports etc. related to CSIR-CMERI and shall not communicate any information whatsoever to anybody without written permission from the competent authority of CSIR-CMERI.

Name of the student : KRISHANU ROY

Class and Roll Number : Class-Final Year, Roll Number; 12062421002

Signature of the student : *Krishanu Roy*

**Signature of the authorized
person of parent institution
With office Seal**

Hij H.O.D. / M.E.
Dr. H. C. Roy Engg. College, Durgapur

Date 21/6/2022



CSIR - CENTRAL MECHANICAL ENGINEERING
RESEARCH INSTITUTE
Mahatma Gandhi Avenue, Durgapur – 713209



Business, Innovation and Skills

Date : 29/06/2023

Shri/Miss/Mrs. KRISHANU ROY M.E/M.Tech/MCA
final year/ th semester student of Dr. B. C. ROY Engineering College, Durgapur is undergoing
his/her project work in the institute under Dr./Mr. D. N. RAY
Scientist/Head DM & SE Group section during 29 June 2022 to 28 June 2023

In this regard, Director's approval has been obtained.

Necessary action may please be taken.

Biplab Choudhury
29-06-2022
Scientist, BIS Group

Sr. Security Officer (SG)

Head, K R C (Library)

AP
29/6/22

Under Guidance of

DR. D. N. RAY
29/06/22

8

Name: KRISHANU ROY
Branch: MECHANICAL ENGINEERING
College: DR. B. C. ROY ENGINEERING COLLEGE
Mob. No. 8348732590
Guardian Contact No. 9732285250
Aadhaar No. 239348636143