

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

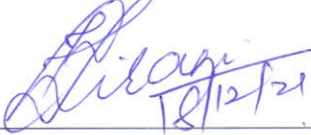
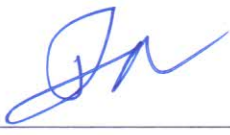
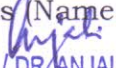


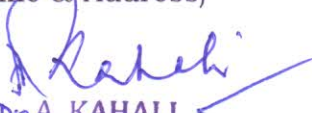
This MoU shall be in full force and effect from the date of signature hereof for a **period of 3 (three) years**. Either organization may terminate this MoU at any time by giving six months notice in writing to the other. In the event of termination, programmes under way shall be allowed to be completed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