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This is to certify that the dissertation entitled **"Flexural Performance of Lightweight Ferrocement Panels by Using Expanded Metal Mesh With and Without Glass Fiber: An Experimental Study"**, which is being submitted herewith for the award of the '**Master of Engineering**' in '**Civil Engineering**' of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. This is the contribution by '**Rajendra Subhash Khamkar**' under my supervision and guidance. The work embodied in this dissertation has not formed earlier for the basis of the award of any degree or compatible certificate or similar title of this for any other diploma/examining body or university to the best of knowledge and belief.

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This is to certify that the thesis entitled **"STUDY OF EFFECT OF SEISMIC EXCITATION ANGLE FOR THE ANALYSIS OF RC FRAME"**, which is being submitted herewith for the award of the **'Masters of Engineering' in 'Structural Engineering'** of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. This is the contribution by **Rupali S. Jadhav** under my supervision and guidance. The work embodied in this project report has not formed earlier for the basis of the award of any degree or compatible certificate or similar title of this for any other diploma/examining body or university to the best of knowledge and belief.

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This is to certify that the dissertation entitled **"Experimental Study on Replacement of Coarse & Fine Aggregate by Waste Marble with addition of S-fiber"** which is being submitted herewith for the award of the **'M.Tech in Civil Structures'** of Dr. Babasaheb Ambedkar Technological University, Lonere. This is the contribution by **Ms. Kavita Kiranrao Pathak (PRN 20211220171221210002)** under my supervision and guidance. The work embodied in this dissertation has not formed earlier for the basis of the award of any degree or compatible certificate or similar title of this for any other diploma/examining body or university to the best of knowledge and belief.

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This is to certify that the dissertation report entitled, "Non Linear Dynamic Analysis Of Off-Shore Structure With Different Inclination And Bracings Using Sap 2000" which is being submitted to Shreeyash Engineering College, Aurangabad. [M.S], affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra state, India in the faculty of Engineering & Technology in the partial fulfilment of the requirement for the award of **'Master in Structural Engineering'.** This is the result of the original work and contribution by Ms. Neeta I. Wayal (Seat Number 9D0000109) under my supervision and guidance. The work embodied in this report has not formed earlier for the basis of the award of any degree or compatible certificate or similar title of this for any other diploma / examining body or university to the best of knowledge and belief.

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This is to certify that the dissertation entitled **"Effective Utilization of Foundry Sand And Ground Granulated Blast Furnace Slag In Geopolymer Concrete"** which is being submitted herewith for the award of the **'Master of Engineering in Civil Structures'** of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. This is the contribution by **Mr. Morale Angad Vinayak** (**Seat No. 61810003**) under my supervision and guidance. The work embodied in this dissertation has not formed earlier for the basis of the award of any degree or compatible certificate or similar title of this for any other diploma/examining body or university to the best of knowledge and belief.

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This is to certify that the dissertation entitled **"Comparative Study on the Seismic Analysis and Wind Analysis of Multistorey Building with Shear Wall and Diagrid"** which is being submitted herewith for the award of the **'Master of Engineering in Civil Structures'** of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. This is the contribution by **Mr. Sumitchandra Purushottam Sharma** (**Seat No. 9D0000061**) under my supervision and guidance. The work embodied in this dissertation has not formed earlier for the basis of the award of any degree or compatible certificate or similar title of this for any other diploma/examining body or university to the best of knowledge and belief.

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This is to certify that the thesis entitled **"SEISMIC ANALYSIS OF CONCRETE GRAVITY DAM WITH GALLERY AND WITHOUT GALLERY"**, which is being submitted herewith for the award of the **'Masters of Engineering' in 'Structural Engineering'** of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. This is the contribution by **Urmila S. Sarde** under my supervision and guidance. The work embodied in this project report has not formed earlier for the basis of the award of any degree or compatible certificate or similar title of this for any other diploma/examining body or university to the best of knowledge and belief.

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This is to certify that the dissertation entitled **" Time History Analysis Of Structure Having Overhead Water Tank Acting as a Tuned Liquid Damper "**, which is being submitted herewith for the award of the **'Master of Engineering'** in **'Civil Engineering'** of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. This is the contribution by **'Yogesh Shivajirao Shejul'** under my supervision and guidance. The work embodied in this dissertation has not formed earlier for the basis of the award of any degree or compatible certificate or similar title of this for any other diploma/examining body or university to the best of knowledge and belief.

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