

## CERTIFICATE

This is to certify that the thesis entitled "**ENHANCING RESISTANCE CAPACITY OF SOFT STOREY BUILDING BY MEANS OF SHEARWALL INCORPORATED WITH STRUT**", which is being submitted herewith for the award of the '**Master degree in CIVIL ENGINEERING**' of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. This is the contribution by '**SWAPNIL M TIPLE**' under my supervision and guidance. The work embodied in this thesis 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-II entitled “**DYNAMIC ANALYSIS OF R.C. FRAME STRUCTURE WITH RE-ENTRANT CORNER IRREGULARITY**”, which is being submitted herewith for the award of the ‘**Master of Engineering**’ in **Structural Engineering**’ of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. This is the contribution by ‘**NITIN SURESH VAIDKAR**’ under my supervision and guidance. The work embodied in this seminar 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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## DISSERTATION CERTIFICATE

This is to certify that the dissertation-II entitled "**DYNAMIC BEHAVIOUR OF GROUND SUPPORTED R.C.C. SILOS**", which is being submitted herewith for the award of the 'Master of Engineering' (Structural Engineering) of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. This is the contribution by 'Mr. ARVIN BHASKARRAO VAWHALE' under my supervision and guidance. The work embodied in this seminar 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 **“PUSHOVER ANALYSIS OF REINFORCED CONCRETE BUILDING WITH VERTICAL IRREGULARITY”**, which is being submitted herewith for the award of the ‘**Master Degree in ‘Civil Engineering’**’ of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. This is the result of the original research work and contribution by **‘MISS. PAWAR PRIYANKA MUGUTRAO’** under my supervision and guidance. The work embodied in this thesis 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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