

## Certificate of the Supervisor

This is to certify that the dissertation entitled " **Significance of Shear Wall A Multi-storey Building with Seismic Analysis by ETABS** " submitted by **Dinesh Kumar** for the award of Degree of Master of Technology in the Department Of Civil Engineering, and submitted to the Department of Civil Engineering of Jagan Nath University, Jaipur, is a record of authentic work carried out by him/her under my /our supervision.

The matter embodied in this thesis is the original work of the candidate and has not been submitted for the award of any other degree or diploma. It is further certified that he has worked with me for the required period in the Department of Civil Engineering, Jagan Nath University, Jaipur.

Nandeshwar Lata  
N. Lata

(Name and Signature of Supervisor)

Date: 21/8/2020

Jagan Nath University, Jaipur

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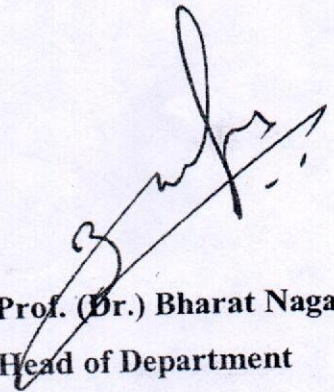


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This is to certify that the dissertation entitled "AMBIENT STATIC AIR QUALITY INDEX AT VISHWAKARMA INDUSTRIAL AREA, JAIPUR" (A CASE STUDY) submitted by **Devashish Kumar Singh** for the award of **Degree of Master of Technology** in the Department of Civil Engineering of Jagan Nath University, Jaipur, is a record of authentic work carried out by him/her under my/our supervision.

The matter embodied in this thesis is the original work of the candidate and has not been submitted for the award of any other degree or diploma. It is further certified that he has worked with me/us for the required period in the Department of Civil Engineering, Jagan Nath University, Jaipur.

  
**Prof. (Dr.) Bharat Nagar**  
**Head of Department**  
**Department of Civil Engineering**

Date:

9/0/20



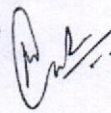
  
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This is to certify that the dissertation entitled "RELAXATION & REDUCTION IN STRESS LEVELS ORIGINATING FROM VARIOUS ENVIRONMENTAL FACTORS BY AN ANTIQUE BUDDHIST THERAPY: A CASE STUDY" submitted by, **Indranil Roy**, for the award of Degree of Master of Technology in the **Department of Environmental Engineering** of Jagan Nath University, Jaipur, is a record of authentic work carried out by him under my/our supervision.

The matter embodied in this thesis is the original work of the candidate and has not been submitted for the award of any other degree or diploma. It is further certified that he has worked with me/us for the required period in the **Department of Environmental Engineering**, Jagan Nath University, Jaipur.

  
MUKESH CHOUDHARY

(Name and Signature of Supervisor)

Date: 5<sup>th</sup> August, 2020.



  
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This is to certify that the dissertation entitled "**Plastics Waste as alternative Fuel**" submitted by Manoj Suthar for the award of Degree of Master of Technology in the Department of Environment Engineering of Jagannath University, Jaipur, is a record of authentic work carried out by him under my supervision.

The matter embodied in this thesis is the original work of the candidate and has not been submitted for the award of any other degree or diploma. It is further certified that he/she has worked with me/us for the required period in the Department of Environment Engineering, Jagannath University, Jaipur.

*Nandeshwar Lata*

(Name and *N. Lata* Signature of Supervisor)

Name: Nandeshwar Lata

Designation: Assistant Professor

Date:

*4/8/20*



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## CERTIFICATE OF THE SUPERVISOR

This is to certify that the dissertation entitled “**Delawas Sewage treatment plant**” submitted by **Rakesh Singh Tanwar** for the award of Degree of Master of Technology in the Department of Environment Engineering of Jagannath University, Jaipur, is a record of authentic work carried out by him under my supervision.

The matter embodied in this thesis is the original work of the candidate and has not been submitted for the award of any other degree or diploma. It is further certified that he/she has worked with me/us for the required period in the Department of Environment Engineering, Jagannath University, Jaipur.

*N. Lata*  
(Name and Signature of Supervisor)

Name: Nandeshwar Lata

Designation: Assistant Professor

Date:

*5/8/20*



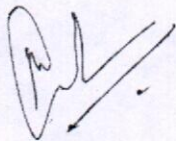
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## CERTIFICATE

This is to certify that the dissertation entitled "STUDY ON EFFICIENT 24×7 WATER DISTRIBUTION SYSTEM - CASE STUDY OF JHUNJHUNU" submitted by **Mr. Ratan Kumar Mallick** for the award of Degree of Master of Technology in the **Department of Environmental Engineering** of Jagan Nath University, Jaipur, is a record of authentic work carried out by him/her under my/our supervision.

The matter embodied in this thesis is the original work of the candidate and has not been submitted for the award of any other degree or diploma. It is further certified that he/she has worked with me/us for the required period in the **Department of Environmental Engineering**, Jagan Nath University, Jaipur.



**MUKESH CHOUDHARY**

(Name and Signature of Supervisor)

Date: 4<sup>th</sup> August 2020



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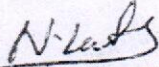
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## *Certificate of the Supervisor*

This is to certify that the dissertation entitled "**Strengthening of Bituminous Roads by Utilizing Dimensioned Stone Waste**" submitted by **Abhishek Mudgal** for the award of Degree of Master of Technology in the Department of Civil Engineering of Jagan Nath University, Jaipur, is a record of authentic work carried out by him under my supervision.

The matter embodied in this thesis is the original work of the candidate and has not been submitted for the award of any other degree or diploma. It is further certified that he has worked with me for the required period in the Department of Civil Engineering, Jagan Nath University, Jaipur.




**Mr. Nandeshwar Lata**

Assistant Professor

Civil Engineering Department

JNIT, Jaipur

Date: 5/10/2020.....



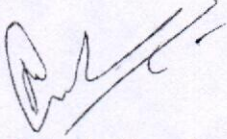
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## Certificate of the Supervisor

This is to certify that the dissertation entitled "**Analytical Study to Enhance Traffic Safety & Performance on Indian Roads**" submitted by **Ankur Goyal** for the award of Degree of Master of Technology in the Department of Civil Engineering of Jagan Nath University, Jaipur, is a record of authentic work carried out by him under my supervision.

The matter embodied in this thesis is the original work of the candidate and has not been submitted for the award of any other degree or diploma. It is further certified that he has worked with me for the required period in the Department of Civil Engineering, Jagan Nath University, Jaipur.



Mr. Mukesh Choudhary  
Assistant Professor  
Civil Engineering Department,  
Jagannath University, Jaipur.

Date: 8 | 9 | 2020



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## Certificate of the Supervisor

This is to certify that the dissertation entitled "An Experimental Study On Cement Concrete By Partially Replacing Cement With Rice Husk Ash" submitted by **Anujay Dutt** for the award of Degree of Master of Technology in the Department of **Civil Engineering** of Jagan Nath University, Jaipur, is a record of authentic work carried out by him/her under my/our supervision.

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*Dr. Bhasu Nagars*

(Name and Signature of Supervisor)

Date:

5/8/2020



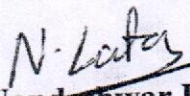
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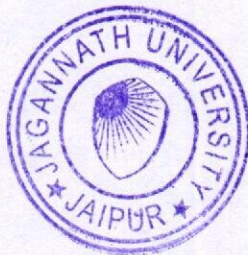
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## *Certificate of the Supervisor*

This is to certify that the dissertation entitled "**An Experimental Study on Use of Road Demolition Wastes as Recycled Materials in Pavement Construction**" submitted by Gaurav Rajotia for the award of Degree of Master of Technology in the Department of Civil Engineering of Jagan Nath University, Jaipur, is a record of authentic work carried out by him under my supervision.

The matter embodied in this thesis is the original work of the candidate and has not been submitted for the award of any other degree or diploma. It is further certified that he has worked with me/us for the required period in the Department of Civil Engineering, Jagan Nath University, Jaipur.

  
**Mr. Nandeshwar Lata**  
Assistant Professor  
Civil Engineering Department  
JNIT, Jaipur  
Date : 28<sup>th</sup> July 2020



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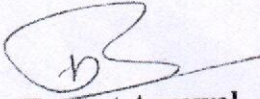
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This is to certify that the dissertation entitled "Uses of Various Plastic Material in Bituminous Concrete (Flexible Pavement)" submitted by Harsh Sankhla for the award of Degree of Master of Technology in the Department of Civil Engineering of Jagan Nath University, Jaipur, is a record of authentic work carried out by him/her under my/our supervision.

The matter embodied in this thesis is the original work of the candidate and has not been submitted for the award of any other degree or diploma. It is further certified that he/she has worked with me/us for the required period in the Department of Civil Engineering Jagan Nath University, Jaipur.

Date: 28.07.2020

  
Mr. Hemant Agrawal



  
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