



## **Dr. SANDIPAN NATH THAKUR**

***B.E.,2007, BESU; M.E.,2010, BESU;  
Ph.D., 2018, IEST, Shibpur, Howrah***

Assistant Professor  
Dept. Civil Engineering,  
University Institute of Technology,  
The University of Burdwan.

### **Communication Address:**

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### **ACHIEVEMENTS:**

- ✚ All India **GATE** Rank: **584**, Score: 395 in **GATE-2008**
- ✚ All India **GATE** Rank: **42**, Score:762 in **GATE-2010**
- ✚ Selected for Graduate Engineer in **Indian Oil Corporation Limited** in 2010
- ✚ Selected as an **Academic Member** of the Visiting Expert Committee of UGC, Constituted for “**On the Spot Inspection & Evaluation of Status of Constructions of Women’s Hostel**”, BU,WB,INDIA in 2011
- ✚ Selected for Engineer in **Cognizant Technology Solution** in 2007
- ✚ Awarded by **All Bengal Teacher Association, West Bengal** for excellent Performance in **Higher secondary Examination** in all over west Bengal, 2003

### **TEACHING EXPERIENCE:**

Working as an **ASSISTANT PROFESSOR** in **University Institute of Technology, The University of Burdwan, Burdwan-713104** since **July’2010**.

### **FIELD OF INTEREST:**

Structural Analysis, Steel Structure, RCC Structure, Structural Dynamics, Pre-stressed Concrete

### **ACADEMIC DETAILS:**

- ✚ **B.E. (Civil)** in **2007** from **Bengal Engineering & Science University, Shibpur**
- ✚ **M.E. (Structural Engineering)** in **2010** from **Bengal Engineering & Science University, Shibpur**
- ✚ **Ph.D. (Engineering)** in **2018** from **Indian Institute of Engineering Science and Technology, Shibpur**

## **SOFTWARE KNOWN:**

SAP 2000; ETags 9; STAAD.Pro; Matlab

## **RESEARCH AREA:**

Finite element analysis; Dynamic analysis of structure; Composite structures; Plate and shell structures

## **M.E. THESIS:**

*“Seismic Response of Irregular Building Frames”* Supervised by **PROFESSOR SAIBAL GHOSH, Ex-Hod, Civil Dept., IEST, Shibpur, Howrah**

## **PhD THESIS:**

*“An Improved Higher Order Shear Deformation Theory for Response Analysis and Reliability Assessment of Laminated Composite Shells”* Supervised by **PROFESSOR CHAITALI RAY** and **PROFESSOR SUBRATA CHAKRABORTY, Civil Dept., IEST, Shibpur, Howrah**

## **International Journal:**

1. Thakur, S.N., and Ray, C., 2015, **“An Accurate C<sup>0</sup> Finite Element Model of Moderately Thick and Deep Laminated Doubly Curved Shell Considering Cross Sectional Warping”**, Thin-Walled Struct., **94**, pp. 384-393.
2. Thakur, S.N., and Ray, C., 2015, **“The Effect of Thickness Coordinate to Radius Ratio on Free Vibration of Moderately Thick and Deep Doubly Curved Cross-Ply Laminated Shell”**, Arch. Appl. Mech., **86**(6), pp. 1119-1132.
3. Thakur, S.N., Ray, C., and Chakraborty, S., 2017, **“A New Efficient Higher-Order Shear Deformation Theory for a Doubly Curved Laminated Composite Shell”**, Acta Mech., **228**(1), pp. 69-87.
4. Thakur, S.N., Ray, C., and Chakraborty, S., 2018, **“Response Sensitivity Analysis of Laminated Composite Shells Based on Higher Order Shear Deformation Theory”**, Arch. Appl. Mech. , **88**(8), pp 1429–1459
5. Thakur, S.N., Ray, C., and Chakraborty, S., **“Reliability Analysis of Laminated Composite Shells by Response Surface Method Based on HSDT”**, Struct. Eng. and Mech. (revision submitted).

## **International Conference:**

Thakur, S.N., Ray, C., and Chakraborty, S., 2016, **“A Finite Element Based Sensitivity Analysis of Deep and Moderately Thick Cross-Ply Laminated Shell Structure”**, Tenth Structural Engineering Convention 2016, IIT Madras, India, 21-23 December 2016 .