

# SAIWAL KRISHNA

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## EDUCATION

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<b>Indian Institute of Technology Kanpur, India</b> Ph.D. in Civil Engineering Structural Engineering Overall GPA: 7.65	<i>Ongoing</i>
<b>Indian Institute of Technology Kanpur, India</b> M.Tech. in Civil Engineering Structural Engineering Overall GPA: 7.15	<i>July 2014</i>
<b>National Institute of Technology Jalandhar, India</b> B.Tech. in Civil Engineering Overall GPA: 7.46	<i>July 2011</i>
<b>Indian School Certificate (ISC)</b> St. Antony's Inter College, Lucknow, India Mathematics, Science Percentage: 86.67	<i>June 2006</i>
<b>Indian Certificate of Secondary Education (ICSE)</b> St. Antony's Inter College, Lucknow, India Percentage: 92.4	<i>June 2004</i>

## PUBLICATIONS

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### Dissertation & Thesis

- Krishna S.(2014), "An experimental study on the behaviour of embedded steel plate-anchor assembly in R.C. structures under cyclic bi-axial moments and axial force.", *M.Tech. Thesis, Indian Institute of Technology Kanpur*.

### Journal Papers

- Sahu D.K., Krishna S., Chakrabarti S.K. (2015), "An Experimental Study on the Behaviour of Steel Plate-Anchor Assembly Embedded in Concrete under Cyclic Loading", *The Bridge & Structural Engineer*, ING-IABSE, Vol. 45, No. 4, pp. 128-144
- Das S.K., Krishna S., Chakrabarti S.K. (2018), "A Parametric Study for the Behaviour of Steel PlateAnchor Assembly Embedded in Concrete under Cyclic Loading", *International Journal of Concrete Technology*, Vol. 4, No.2, pp. 21-36

### Conference Papers

- Krishna S., Chakrabarti, S.K., "Mechanics of damage at steel-concrete interface in RC structures", International Congress on Computational Mechanics and Simulation, Indian Institute of Technology Mandi, India, December 11-13, 2019

## CONFERENCES ATTENDED

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7<sup>th</sup> International Congress on Computational Mechanics and Simulation, Indian Institute of Technology Mandi, India, December 11-13, 2019

## EXPERIENCE

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### Consulting

*Indian Institute of Technology Kanpur, India*

- Proof-checking of Structural Design of ONGC Academic Building in Lucknow University, Lucknow (U.P.). Under Guidance of Prof. S.K. Chakrabarti, (National Building Construction Corporation Limited, Lucknow, India; August - November, 2015).
- Consultancy for evaluating the structural adequacy of old arch railway bridges between Kanpur and Jhansi (Preliminary Inspection). Under Guidance of Prof. S.K. Chakrabarti, (Rail Vikas Nigam Limited, Kanpur, India; August - November, 2015).

### Teaching Assistant

*Indian Institute of Technology Kanpur, India*

*August 2011 - Present*

CE 628A	Durability of Concrete Structures, Dr. Sudhir Mishra.
CE 621N	Engineering Mechanics, Dr. S.K. Misra.
ESO 202A	Mechanics of Solids, Sanjukta Chakraborty.
CE 441A	Construction Management, Dr. K.V. Harish.
CE 272A	Structural Analysis, Dr. V.K. Gupta.
DUGC	Departmental Undergraduate Committee.
CE 629A	Earthquake Analysis and Design of Structures, Dr. D.C. Rai.
ESO 101A	Engineering Graphics, Dr. Tarun Gupta.
DPGC	Departmental Postgraduate Committee, Dr. S.K. Chakrabarti.

### Tutor

*August 2017 - December 2017*

*Indian Institute of Technology Kanpur, India*

- ESO 202A: Introduction to Mechanics of Solids (Course Instructor: Dr. Sudib Kumar Misra )

### Tutor

*January 2018 - May 2018*

*Indian Institute of Technology Kanpur, India*

- ESO 202A: Introduction to Mechanics of Solids (Course Instructor: Dr. Rajesh Sathiyamoorthy )

### B.Tech Industrial Training

*May 25 2010 - June 5 2010*

*Valecha Engineering Ltd.*

*Delhi, India*

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## EXTRA CURRICULAR ACTIVITIES

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### Indian Institute of Technology Kanpur, India

- Coordinator, NERD (Notes on Engineering Research and Development) *July 2016*

### National Institute of Technology Jalandhar, India

- Head, Technical Committee, Techniti '11 *2011*
- Executive Member, Movie Club *2009*
- Executive Member, Music and Dramatics Club *2009*
- Co-Organiser, Techniti '09 *2009*

- Executive Member, Society of Civil Engineers

*2008*

## **PROFESSIONAL MEMBERSHIPS**

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- Student Member, American Society of Civil Engineers, VA, USA
- Member, American Concrete Institute, MI, USA
- Student Member, RILEM