

## CURRICULUM VITAE

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### Professional Qualification:

**M.E. (Structures)** Punjab Engineering College, Chandigarh, 2005

**B.E. (Civil)** Thapar Institute of Engineering and Technology, Patiala, 2002  
Six months Academic training at **MITES INDIA Ltd.** during B.E.

### Others:

**Gate Qualified: 2017.**

### Working experience:

- **Industry:** has worked with “Parveen Kumar Aggarwal & Co. (Govt. Contractors & Engineers)” from July 2002 to July 2003.
  - **Academic:**
    - Working in Government Institute of Haryana, Ch. Devi Lal State Institute of Engineering & Technology, Panniwala Mota, Sirsa, since 28/12/2012 to till date.
    - Worked with Prannath Parnami Institute of Management & Technology, Hisar, the one of the leading Engineering College affiliated with Guru Jambheshwar University of Science & Technology, Hissar from Feb. 2012 to 27/12/2012.
    - Worked with one of the leading Engineering College affiliated with Kurukshetra University, Kurukshetra from Aug. 2009 to Feb. 2012.
    - Worked with one of the leading Engineering College affiliated with Kurukshetra University, Kurukshetra from Feb. 2008 to Aug. 2009.
    - Worked with one of the leading Engineering College affiliated with Kurukshetra University, Kurukshetra from Jan 2007 to Feb 2008.
    - Worked with one of the leading Engineering College affiliated with Punjab Technical University, Jalandhar from July 2005 to Dec 2006.
- Total Experience: **18 years 08 Months**

### Conferences and Workshops Attended:

- Participated in the National Conference on Recent Trends in Highways and Bridges(RTHB-2005),held at Thapar Institute of Engineering and Technology, Patiala on 18<sup>th</sup> and 19<sup>th</sup> Feb,2005
- Participated in the National Conference on “Civil Engineering: Advancement and Challenges (CEAC- 2007)” held at Maharishi Markandeshwar Engineering College, Mullana, Ambala from 9<sup>th</sup> to 11<sup>th</sup> March, 2007.
- Participated in National Workshop on “Quality Control in Construction through Precision Equipments” held at Indian Institute of Technology Roorkee, Roorkee on 24<sup>th</sup> October, 2007.

- Participated in the National Conference on “Future Communication Paradigms in 21<sup>st</sup> Century” held at Haryana Institute of Engineering & Technology from 20<sup>th</sup> to 21<sup>st</sup> March, 2009.
- Participated in the National Conference on “Environmental Degradation: Effects, Remedies & Challenges” held at Jan Nayak Ch. Devi Lal Memorial College of Engineering, Sirsa from 25<sup>th</sup> to 27<sup>th</sup> Feb. 2010.
- Participated in a Short Term Course on ‘Earthquake Resistant Design of Reinforced Concrete and Masonry Buildings’ at NIT, Jalandhar during 4 – 8 July 2011.
- Participated in the International Conference on “Sports Biomechanics, Emerging Technologies & Quality Assurance in Technical Education” held at Prannath Parnami Universe, Hisar on 17-18<sup>th</sup> March, 2012.
- Participated in a two weeks Staff Development Programme on “Pedagogy in Technical Education” from 7<sup>th</sup> June to 20<sup>th</sup> June, 2012, at PPIMT, Hisar. (powered by; WOW Factors under NIESBUD, Govt. of India)
- Participated in one week STC on “Communication Skills” through ICT from 05.12.16 to 09.12.16 at CDLSIET Panniwala Mota, organized by NITTTR, Chandigarh.
- Participated in one week STC on “Cyber Crime and Forensic Tools” through ICT from 06.2.17 to 10.2.17 at CDLSIET Panniwala Mota, organized by NITTTR, Chandigarh.
- Participated in the National Conference on “Futuristic Environmental Challenges” from 16/02/17 to 17/02/2017, at Bharat Group of Colleges, Sardulgarh, sponsored by MRSSSTU, Bhatinda
- Participated in one week STC on “Multimedia tools and utilities” through ICT from 27.3.17-31.3.17 at CDLSIET Panniwala Mota, organized by NITTTR, Chandigarh.
- Participated in one week STC on “Strategic management and SWOT analysis for Institution Excellence” through ICT from 21-25/08/2017 at CDLSIET Panniwala Mota, organized by NITTTR, Chandigarh.
- Participated in one week STC on “Water Resources Management” from 23/10/2017 to 27/10/2017 at NITTTR, Chandigarh, organized by NITTTR, Chandigarh.
- Participated in one week STC on “Make in India-Issues & Challenges” from 06/11/2017 to 10/11/2017 at NITTTR, Chandigarh, organized by NITTTR, Chandigarh.
- Participated in one week STC on “Concrete Mix Design- New Directions” from 20/11/2017 to 24/11/2017 at NITTTR, Chandigarh, organized by NITTTR, Chandigarh.
- Participated in one week STC on “Disaster Management and Sustainable Development” from 11/12/2017 to 15/12/2017 organized by NITTTR, Chandigarh at Government Polytechnic (Ramchandra Khaitan) Jaipur (Rajasthan).
- Participated in a National Conference on **“Recent Trends in Civil Engineering”** organized by Department of Civil Engineering, Vivekananda Global University on 23<sup>rd</sup> & 24<sup>th</sup> March, 2018 at VGU & VIT Campus, Sisyawas, NRI Road, Jagatpura, Jaipur.
- Participated in “Faculty Development Program for Student Induction (FDP-SI)” during 25 June - 1 July 2019 at IKG PTU Main Campus Kapurthala, Punjab organized by All India Council for Technical Education (AICTE).
- Participated in “Training cum Workshop on Restoration and Development of Ponds in the State of Haryana” during 28-11-2019 to 29-11-2019 at HIRMI, Kurukshetra, organized by The Haryana Pond and Waste Water Management Authority & Haryana State Higher Education Council.

- Participated in one week STC on **“Internet of Things”** through ICT from **10.04.2020` to 14.04.2020** organized by NITTTR, Chandigarh.
- Participated in one week STC on **“Entrepreneurship and Start-up Policies 2017”**, through ICT from **11.05.20 to 15.05.20** organized by NITTTR, Chandigarh.
- Participated in one week STC on **“Advanced Construction Technology”**, through ICT from 18.05.2020 to 22.05.2020 organized by NITTTR, Chandigarh.
- Participated in one week STC on **“Alternate Technologies in Road Construction (Flexible Pavements)”**, through ICT from 25.05.2020 to 29.05.2020 organized by NITTTR, Chandigarh.
- Participated in Online Faculty Development Program on **“Enhancing Research Capabilities”** AICTE and ISTE approved from **1<sup>st</sup> June to 5<sup>th</sup> June 2020** organized by Society of Materials and Mechanical Engineers (SOMME).
- Participated in one week STC on **“Emerging Technologies in Civil Engineering”**, through ICT from 08.06.2020 to 12.06.2020 organized by NITTTR, Chandigarh.
- Participated in one week STC on **“Prospects of Sustainability in Pavement Construction in India”** from 14/07/2020 to 18/07/2020 organized by NIT Jalandhar (Punjab).
- Participated in one week STC on **“Advanced Materials for Highway Construction”** from **16-10-2020 to 20-10-2020** organized by Punjabi University, Patiala.
- Participated in ten week FDP on **“Energy Management for Sustainability”** from **21.11.2020 to 31.01.2021** organized by J.C. Bose University of Science and Technology, YMCA, Faridabad.
- Participated in one week STC on **“Energy and Innovative Building Construction Practices”** from **23/08/2021 to 28/08/2021** organized by NITTTR, Chandigarh.
- Attended a MOOCS COURSE of **“Geosynthetics and Reinforced Soil Structures”** through NPTEL from **18-01-2021 to 11-04-2021** organized by NPTEL, IIT Madras.
- Attended a MOOCS COURSE of **“Design of Reinforced Structures”** through NPTEL from **26-07-2021 to 17-10-2021** organized by NPTEL, IIT Khargpur.
- Participated in twelve week FDP on **“Design of Reinforced Structures”** through NPTEL from **26-07-2021 to 17-10-2021** organized by NPTEL, IIT Khargpur.
- Participated in one week FDP on **“Revised Assessment and Accreditation Framework-NAAC”** from **27-01-2022 to 03-02-2022** organized by Shah Satnam Ji College of Education, Sirsa.
- Participated in one week online event on **“Enhancing Emotional Immunity”** from **21-02-2022 to 25-02-2022** organized by Jaipur Engineering College & Research Centre, Jaipur, Rajasthan.
- Participated in one week STC on **“Harnessing Innovation through IPR and Entrepreneurship in Contact Mode”** from **21-03-2022 to 25-03-2022** organized by Entrepreneurship Development & Industrial Coordination Department, NITTTR, Chandigarh organized at CDLSIET, Panniwala Mota, Sirsa.
- Participated in one week online meditation course **from 19-09-2022 to 26-09-2022** organized by Jaipur Engineering College & Research Centre, Jaipur, Rajasthan.
- Attended a two day workshop on **“ Online procurement through Government e-Marketplace (GEM)”** from 28.09.2022 to 29.09.2022 at DTC, HIPA Hisar, Near Azad Nagar Police Thana, Rajgarh Road, Hisar,
- Attended a MOOCS COURSE of **“Advanced Concrete Technology”** through NPTEL from **25-07-2022 to 16-10-2022** organized by NPTEL, IIT Madras.
- Participated in twelve week FDP on **“Advanced Concrete Technology”** through NPTEL from **25-07-2022 to 16-10-2022** organized by NPTEL, IIT Madras.

- Participated in one week online STC on **“Latest Analysis and design trends for Civil Engineering Structures”** from **14/11/2022 to 18/11/2022** organized by NITTTR, Chandigarh
- Participated in one week online STC on **“Making Villages smart”** from **13/02/2023 to 17/02/2023** organized by NITTTR, Chandigarh
- Participated/Attended One day National Conference on **“Advancement in Commerce, Humanities, Management, Education, Engineering& Sciences-2023”** (ACHMEES-2023), on 28<sup>th</sup> February, 2023 conducted at JCD Vidyapeeth , Sirsa
- Participated in one week online STC on **“Recycling Materials in Highway Construction”** from **06/03/2023 to 10/03/2023** organized by NITTTR, Chandigarh
- Participated in one week online STC on **“Unnat Bharat Abhiyan and Role of Technical Education”** from **17/04/2023 to 21/04/2023** organized by NITTTR, Chandigarh
- Attended a **MOOCS COURSE** of **“Structural Analysis-I”** through NPTEL from **23-01-2023 to 07-04-2023** organized by NPTEL, IIT Kharagpur.
- Participated as speaker in One-day Workshop on **“Earthquake-Resistant Construction”** organized by J.C.D. Memorial college of Engg. in collaboration with Bureau of Indian Standard (BIS) on **28<sup>th</sup> April 2023**.
- Attended One-day National Seminar **“Understanding New Technologies for Sustainable Development”** organized by CDLSIET, Panniwala Mota on 11.05.2023 at CDLSIET, Panniwala Mota.
- Participated in one week online STC on **“Application of AutoCAD in Engineering”** from **22/05/2023 to 26/05/2023** organized by NITTTR, Chandigarh.
- Attended One-day NEP workshop on **“Process and Challenges in Implementing NEP-2020”** organized by CLDU, Sirsa on 25.07.2023 at CLDU, Sirsa.
- Participated in one week online STC on **“Innovation in Construction and Green Building Materials”** from **07/08/2023 to 11/08/2023** organized by NITTTR, Chandigarh.
- Participated in one week online STC on **“Managerial Skills for Technical Teachers and Administrators”** from **28/08/2023 to 01/09/2023** organized by NITTTR, Chandigarh.
- Participated in one week online STC on **“Approaching Zero Waste Cities”** from **18/09/2023 to 22/09/2023** organized by NITTTR, Chandigarh.
- Participated in one week offline STC on **“MATLAB for Engineering and Science Teachers”** from **16/10/2023 to 20/10/2023** organized by NITTTR, Chandigarh at CDLSIET, Panniwala Mota, Sirsa.
- Attended a **MOOCS COURSE** of **“Strength of Material”** through NPTEL from **24-07-2023 to 13-10-2023** organized by NPTEL, IIT Kharagpur.
- Participated in one week online STC on **“Affordable Housing in Disaster Prone Areas”** from **20/11/2023 to 24/11/2023** organized by NITTTR, Chandigarh.
- Participated in one day online event on **“Sevottam for Grievance Redressal Officers”** on **10/11/2023** organized by Haryana Institute of Public Administration.
- Participated in 02 days online training on **“Repair and Rehabilitation of Structures of Hydro Power Projects”** from **13-12-2023 to 14-12-2023** organized by Central Water and Power Research Station, Pune.
- Participated in 03 days online event on **“Enlightenment 7.0”** from **23-12-2023 to 25-12-2023** organized by Jaipur Engineering College & Research Centre, Jaipur, Rajasthan.
- Participated in one week online Faculty Development Program on **“Civil Engineering Challenges towards Sustainability”** from **29.01.2024 to 02.02.2024**

organized by Civil Engineering Department, School of Engineering & Technology, Sandip University, Nashik, Maharashtra.

### Research Papers:

- **'Environment Pollution: a need for mass movement'** in Seminar on Environmental Pollution and Control Measures (EPCM-2008), held on 12-13 September 2008 at Rajasthan Technical University, Kota (Rajasthan).
- 03 Papers selected in National conference organized by Institute of Engineers (I) Raipur, Chhattisgarh (17-18 Jan 2009) on the following Topics:
  1. Small Scale Hydropower
  2. Power generation through Biomass
  3. Renewable energy sector growth in India
- Research paper on “Survey of various resources through Remote Sensing Technique” in National Conference on “Future communication paradigms in 21<sup>st</sup> century” 20-21<sup>st</sup> March 2009, HIET, Kaithal.
- A research paper on “Air Lines Reservation by Intelligent Traveling Agent System” in International Journal of Computer Science and Network Security (IJCSNS), VOL.9 No.12, December 2009.
- A research paper on “Remedies of Environment Pollution” in National Conference on “Environmental Degradation: Effects, Remedies & Challenges” held on 25-27<sup>th</sup> Feb.2010 at Jan Nayak Ch. Devi Lal Memorial College of Engineering, Sirsa.
- A research paper on “Impact of Environment Pollution” in National Conference on “Environmental Degradation: Effects, Remedies & Challenges” held on 25-27<sup>th</sup> Feb.2010 at Jan Nayak Ch. Devi Lal Memorial College of Engineering, Sirsa.
- A research paper on “Analysis & Design of Overhead Service Reservoir (75000 Lit Capacity)” in International Journal of Mathematics and Engineering 22 (2010) 218-233.
- A research paper on “Study of effects of Micro Silica Variation on M80 Concrete” in International Journal of Engineering, Science and Metallurgy Vol.2 No.3 (2012) pg 794-798.
- A research paper on “ Analysis of Prestress Girder with special reference to stresses & Launching” in National Conference on “ Futuristic Environmental Challenges” from 16/02/17 to 17/02/2017, at Bharat Group of Colleges, Sardulgarh, sponsored by MRSSSTU, Bathinda
- A research paper on “ Effective Solid Waste Management: Vermicomposting Technology” in National Conference on “ Futuristic Environmental Challenges” from 16/02/17 to 17/02/2017, at Bharat Group of Colleges, Sardulgarh, sponsored by MRSSSTU, Bathinda
- A review paper on “ Carbon footprint of roads: A Literature Review” in National Conference on **“Recent Trends in Civil Engineering”** organized by Department of Civil Engineering, Vivekananda Global University on 23<sup>rd</sup> & 24<sup>th</sup> March, 2018 at VGU & VIT Campus, Sisyawas, NRI Road, Jagatpura, Jaipur.
- A review paper on “ A Review on Disaster Management and its Mitigation Techniques” in National Conference on **“Recent Trends in Civil Engineering”** organized by Department of Civil Engineering, Vivekananda Global University on 23<sup>rd</sup> & 24<sup>th</sup> March, 2018 at VGU & VIT Campus, Sisyawas, NRI Road, Jagatpura, Jaipur.

- A review paper on “ Green Concrete: A Literature Review” in National Conference on “**Recent Trends in Civil Engineering**” organized by Department of Civil Engineering, Vivekananda Global University on 23<sup>rd</sup> & 24<sup>th</sup> March, 2018 at VGU & VIT Campus, Sisyawas, NRI Road, Jagatpura, Jaipur.
- A review paper on “ A Review Paper on use of Recycled Aggregates in Concrete” in National Conference on “**Recent Trends in Civil Engineering**” organized by Department of Civil Engineering, Vivekananda Global University on 23<sup>rd</sup> & 24<sup>th</sup> March, 2018 at VGU & VIT Campus, Sisyawas, NRI Road, Jagatpura, Jaipur.
- A research paper on “Analysis And Design Of Signal Timing For Urban Signalized Intersection in Sirsa City” in Pensee International Journal, Volume 51 Issue 04 – 2021 with Paper ID: PNS-0421-110, ISSN: 0031-4773.
- A research paper on “**Utilization and Suitability of Solid Waste for Pavement Construction**”, in National Conference on “Advancement in Commerce, Humanities, Management, Education, Engineering& Sciences-2023” (ACHMEES-2023), on 28<sup>th</sup> February, 2023 conducted at JCD Vidyapeeth , Sirsa

**Computer Proficiency:**

- STAAD.Pro
- AUTO CAD
- MS-DOS, Windows
- MS-Office (MS-Word, MS-Excel, Power-Point)

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(Manik Goyal)

Date: