

## **BIO-DATA**



**NAME: Dr. Abhinandanakumar Appasaheb Bage**

**DATE OF BIRTH: 19/5/1967**

**CITIZENSHIP: Indian**

**MARITAL STATUS: Married**

**DESIGNATION: Associate Professor,**

**BVB's Sardar Patel College of Engineering**

**Munshi Nagar, Andheri (West)**

**Mumbai- 400 058**

**Phone: 91-22-26232192/26289777 Extension: 232**

**ACADEMIC QUALIFICATIONS:**

**PhD in Civil Engineering from IIT Bombay (2008)**

**M.Tech. (Structural Engineering) from IIT Bombay (1994)**

**B.E.(Civil Engineering) from REC (Presently NIT) Surathkal, Karnataka (1988)**

**EXPERIENCE:**

**Associate Professor: BVB's Sardar Patel College of Engineering since 1/1/1997**

**Lecturer: Shah and Anchor Kutchhi Engineering College 1989 to 1996**

## **POSITIONS HELD AT SPCE:**

Head, Structural Engineering Department

Co-ordinator, First Year Engineering

Finance Officer, TEQIP-II

M.Tech Co-ordinator

ARC Co-ordinator for F.Y. admissions

Co-ordinator for F.Y. admissions at Institute level

Member, Subject Board

Member, Academic Board

Member, Finance Committee

Member, III Cell

Member, BOG

Member of Examination Committee

Member of Gymkhana Committee

Chief Conductor for the University Examinations

Faculty In-charge of consultancy works in the department during the year 2008.

## **PUBLICATIONS:**

1. AbhinandanA.Bage, Pradipta Banerji, (2004). 'Damage Detection in Isotropic Plates Using ANN', Proceedings of International Conference on Advances in Structural Integrity, Indian Institute of Science, Bangalore. (in conjunction with XIII National Seminar On Aerospace Structures) SH-C85.
2. Abhinandan A. Bage and Pradipta Banerji, (2004). 'Damage Detection in Laminated Composite Plates Using Counterpropagation Networks', Proceedings of International Congress on Computational mechanics and Simulation, ICCMS-04, I.I.T. Kanpur, India, Volume II, pp-483-490.
3. Pradipta Banerji, Subrata Nayak and Abhinandan A. Bage (2004). 'Damage Detection in Structures Using ANN', Proceedings of Joint Indo-US Workshop on Advance Sensing Systems and Smart Structures Technology, Bombay, India.

4. Abhinandan A.Bage, Pradipta Banerj, (2005). 'Neural Networks for Delamination Flaw Detection in FRP Laminated Composite Plates', Proceedings of the SPIE on Health Monitoring and Smart Nondestructive Evaluation of Structural and Biological Systems IV., Edited by Kundu, Tribikram., Volume 5768, pp. 369-377.
5. B.N. Pandya, M.M. Murudi and A.A. Bage (2009). 'Sesmic Retrofitting of reinforced Concrete Buildings', Proceedings of National Workshop on Rehabilitation and Retrofitting of Structures, WSRR-09, I.I.T. Bombay, Mumbai.
6. Jasmeet Singh, Vaidehi Joshi, A. A. Bage (2012). Use of Artificial Neural Networks for Concrete Strength Predictability, Proceedings of International Conference on Recent Advancesin Engineering, Technology and Management, SPICON-2012- Civil, AI4.
7. Deshmukh Rajkumar, A. A. Bage (2016). Experimental Investigation of Mechanical and Durability Properties of Reactive Powder Concrete (RPC), International Journal of Latest Technology in Engineering, management & Applied Science (IJLTEMAS), Volume V, Issue VII, pp 30-33.
8. Gayatri Thakre, A. A. Bage (2016). Comparison of Co-centric Bracing System Subjected to Wind Loading, International Research Journal of Engineering and Technology, Volume 3, Issue 11, pp 395-398.
9. Nilesh Prakash Bhosale, A. A. Bage (2016). Effect of Change in Radius of Curvature in Plan on Bridge Bearing Reactions, International Journal of Advances in Mechanical and Civil Engineering, Volume 3, Issue 6, pp 75-78.
10. Viraj Baile, A. A. Bage (2017). Comparative Study of Diagrid, Simple Frame and Various Bracing Systems, International Journal of Innovative Research in Science, Engineering and Technology, Volume 6, Issue 6, pp 11967-11975.
11. Karthik H Purohit, A. A. Bage (2017). Construction Stage Analysis of Cable Stayed Bridge by Cantilever Method of Construction (Nagpur Cable Stayed Bridge), International Journal of Innovative Research in Science, Engineering and Technology, Volume 6, Issue 7, pp 13487-13496.

12. Viraj Baile, A. A. Bage (2017). Comparative Study of Diagrid, Simple Frame and Shear Wall System, International Journal of Engineering Research and Application, Volume 7, Issue 7, (Part-1) pp 1-6.
13. Vinay D Mhatre, A. A. Bage (2017). Shape and Cost Optimization of Post-Tensioned I-Girder, International Journal of Technical Innovation in Modern Engineering and Science, Volume 3, Issue 7, pp 1-5.
14. Santosh R Chaurasiya, A. A. Bage, V. S. Joshi (2017). Fender Systems and Their Effect on Berthing Structures with Special Mention to IS:4651, BS:6349 and PIANC Guidelines, International Journal of Technical Innovation in Modern Engineering and Science, Volume 3, Issue 7, pp 70-78.
15. Shankar C Sharma, A. A. Bage (2018). Parametric Study of Diagrid, Pentagrid and Hexagrid Structural Systems, International Journal of Technical Innovation in Modern Engineering and Science, Volume 4, Issue 6, pp 1440-1445.
16. Harshal. R. Chaudhari, Dr. A. A. Bage (2018). Non-Linear Analysis of Slender Bridge Pier and Design of its Foundation, International Journal of Technical Innovation in Modern Engineering and Science, Volume 4, Issue 7, pp 1375-1377.
17. Shraddha S. Kadam, Dr. A. A. Bage (2018). Comparative Study between Diagrid and Tube in Tube Structural System, International Journal of Technical Innovation in Modern Engineering and Science, Volume 4, Issue 7, pp 1432-1437.
18. Nikhil G. Pilodekar, Dr. A. A. Bage (2018). Optimization of Vertical Position of Outrigger and Belt Truss Structural System, International Journal of Technical Innovation in Modern Engineering and Science, Volume 4, Issue 7, pp 1438-1444.
19. Tushar Vilas Kamde, Dr. A. A. Bage (2018). Evaluation of RC Framed Building for Linear and Nonlinear Analysis by using Shear and Flexural Failure Model, International Journal of Technical Innovation in Modern Engineering and Science, Volume 4, Issue 8, pp 312-317.

20. Kiran Shanbhag, Dr. A. A. Bage (2018). Parametric Study of Multistorey Buildings as per Indian Seismic Codes IS 1893:2002 & IS 1893:2016, International Journal of Technical Innovation in Modern Engineering and Science, Volume 4, Issue 8, pp 549-559.
21. Nair Sindhu, Dr. A. A. Bage (2018). Steel Design using Working Stress Method and Clause of Section 12 of IS 800: 2007 – A Comparison, International Journal of Technical Innovation in Modern Engineering and Science, Volume 4, Issue 10, pp 389-395.
22. Meet Maru, Aalisha Visaria, Jagrut Savani, Yash Karwa, Harshvardhan Thakkar, Dr. A. A. Bage (2019). Performance Based Seismic Design of Tall Buildings, International Journal of Technical Innovation in Modern Engineering and Science, Volume 5, Issue 8, pp 303-306.
23. Roshni John, Dr. A. A. Bage (2019). Surface Absorption Characteristics of Recycled Concrete, International Journal of Recent Technology and Engineering, Volume 8, Issue 4, pp 16-19.
24. P. V. Kasambe, Kiran S. Bhole, A. A. Bage, N. R. Raykar & D. V. Bhoir (May 2022). Analytical modeling and numerical investigation of a variable width piezoresistive multilayer polymer micro-cantilever air flow sensor, Advances in Materials and Processing Technologies (Online), ISSN: (Print) (Online) Journal homepage: <https://www.tandfonline.com/loi/tmpt20>.  
To link to this article: <https://doi.org/10.1080/2374068X.2022.2076974>.  
**ISSN: 2374068X, 23740698**  
(To cite this article: P. V. Kasambe, Kiran S. Bhole, A. A. Bage, N. R. Raykar & D. V. Bhoir (2022): Analytical modeling and numerical investigation of a variable width piezoresistive multilayer polymer micro-cantilever air flow sensor, Advances in Materials and Processing Technologies, DOI: 10.1080/2374068X.2022.2076974.)
25. Jayant Jadhav, A. A. Bage, Mangesh Anabhavane, Sandeep Pattiwar (December 2022). Comparative Study on Design of Bridge Foundation According to IRC: 78 – 2014 And IRC: 78 – 2020, SERB, AICTE, CSIR, IIIE Mumbai chapter, Turnitin and Apex Subscription sponsored Sardar Patel

International Conference on 'Industry 4.0- Nascent Technologies and Sustainability for Make in India Initiative' proceedings of SIPCON 2022, 22<sup>nd</sup> & 23<sup>rd</sup> Dec. 2022.

- 26. Nayan Chopada, A. A. Bage, Mangesh Anabhavane, Sandeep Pattiwar (December 2022). Parametric Study to Determine Wind Load on Foot Over Bridge, SERB, AICTE, CSIR, IIIE Mumbai chapter, Turnitin and Apex Subscription sponsored Sardar Patel International Conference on 'Industry 4.0- Nascent Technologies and Sustainability for Make in India Initiative' proceedings of SIPCON 2022, 22<sup>nd</sup> & 23<sup>rd</sup> Dec. 2022.
- 27. Chougale Jaydeep B, A. A. Bage (December 2022). Effect of M-Sand and Cementitious Materials on Properties of Concrete- A Review, SERB, AICTE, CSIR, IIIE Mumbai chapter, Turnitin and Apex Subscription sponsored Sardar Patel International Conference on 'Industry 4.0- Nascent Technologies and Sustainability for Make in India Initiative' proceedings of SIPCON 2022, 22<sup>nd</sup> & 23<sup>rd</sup> Dec. 2022.
- 28. Mohammad Haris Saghir, A. A. Bage (December 2022). Comparative Research on Tuned Mass Damper, Tuned Liquid Damper and Tuned Particle Damper on the Basis of Mass Ratio on a Framed Model, SERB, AICTE, CSIR, IIIE Mumbai chapter, Turnitin and Apex Subscription sponsored Sardar Patel International Conference on 'Industry 4.0- Nascent Technologies and Sustainability for Make in India Initiative' proceedings of SIPCON 2022, 22<sup>nd</sup> & 23<sup>rd</sup> Dec. 2022.
- 29. Abhijeet Patil, A. A. Bage (December 2022). Using Artificial Intelligence & Augmented Reality for Structural Engineering, SERB, AICTE, CSIR, IIIE Mumbai chapter, Turnitin and Apex Subscription sponsored Sardar Patel International Conference on 'Industry 4.0- Nascent Technologies and Sustainability for Make in India Initiative' proceedings of SIPCON 2022, 22<sup>nd</sup> & 23<sup>rd</sup> Dec. 2022.
- 30. Keerti Rangnekar, Shriya Mehendale, Adarsh Jaiswal, Rewati Gaikwad, Yash Dhalkari, Dr.A.A Bage and Ankit Asher (2023). Performance of Outriggers and Friction Dampers In High Rise Structure Using Response Spectrum

Analysis, AICTE sponsored Online International Conference on Advancements in Structural Engineering ASE'2023, pp 46-54.  
 ISBN: 978-81-932056-2-4

31. Jaydeep, B. Chougale and A. A. Bage. "Effect of manufactured sand, micro silica, and GGBS on properties of high-performance concrete" IOP Conf. Series: Earth and Environmental Science 1280 (2023) 012024, doi:10.1088/1755-1315/1280/1/012024.
32. Jaydeep, B. Chougale and A. A. Bage. "Effect of manufactured sand, micro silica, and GGBS on properties of high-performance concrete" Second International Conference on Advancement in Sustainable Materials and Infrastructure (ASMI-2023), 12-13, September 2023. (Scopus Conference).
33. Chougale Jaydeep B. and A. A. Bage. "Using Silica Fume, GGBFS, and Colloidal Silica as Cementitious Materials, an Experimental Examination of the Strength and Durability of HPC". The India Journal of Technical Education, Vol. 47, Special Issue No. 1, pp. 311-318, April 2024. [UGC Care].

## MEMBERSHIP OF PROFESSIONAL BODIES

<b>Sr. NO.</b>	<b>Name of the Professional/Government Body</b>	<b>Type of Membership</b>
1	Institute for Steel Development and Growth (INSDAG)	Life Member
2	Indian Association for Computational Mechanics	Life Member
3	Indian Association for Structural Engineering	Life Member
4	Indian Association for Structural Rehabilitation	Life Member
5	Institution of Engineering and Technology (IET)	Member
6	ISTE	Life Member

## **LIST OF COURSES TAUGHT**

### **UG PROGRAM**

Engineering Mechanics-I  
Engineering Mechanics-II  
Strength of Materials  
Structural Analysis-I  
Structural Analysis-II  
Structural Mechanics  
Structural Engineering  
Analysis of Indeterminate Structures

### **PG PROGRAM**

Non Linear Analysis  
Advanced Design of Concrete Structures

## **LECTURES DELIVERED**

1. Coordinator for One day Workshop on ‘Engineering Mechanics for College Teachers’ organized by Sardar Patel College of Engineering, Mumbai in October 1999.

Delivered Lecture at the Staff Development Programme on ‘Special Methods of Teaching Engineering Mechanics’, organized by Rajiv Gandhi Institute of Technology, Mumbai, in collaboration with NITTR, Bhopal in December 2004.

Delivered Lecture at the Short-Term Course on ‘Soft Computing in Civil Engineering’ organized at IIT Bombay in January 2006.

Delivered Lectures at the Professional Development Course on ‘Structural Design of Multistoried RCC Buildings’ organized jointly by SPCE and Technoasis at SPCE Mumbai in July-August 2009.

Delivered Lectures at the Professional Development Course on ‘Design of Steel Structures Using IS 800: 2007’ organized jointly by SPCE and Technoasis at SPCE Mumbai in November 2009.

Delivered Lectures at the One Week Workshop on ‘Product Development & Validation (PDV) Using FEA’ organized by Mechanical Engineering Department, SPCE at SPCE Mumbai in June 2013.

Delivered lecture during Induction Training for newly recruited faculty members organized by SPCE, Mumbai from 19<sup>th</sup> to 21<sup>st</sup> June 2018.

Delivered Lectures at Faculty Development Programme on ‘Special Topics of Structural Analysis’ organized by Civil Engineering Department, Mukesh Patel School of Technology, Management & Engineering, Mumbai on 14<sup>th</sup> July 2017.

### **FDP/STTP ORGANISED**

1. As coordinator, organized one day Workshop on ‘Engineering Mechanics for College Teachers’ organized by Sardar Patel College of Engineering, Mumbai in October 1999.
2. As coordinator, organized (with Dr. Fixit Institute) Two Day workshop at SPCE, on “Corrosion in RCC and Steel Structures, Fundamentals, Assessment, Protection and Repair Strategy” on 6<sup>th</sup> and 7<sup>th</sup> March 2014.
3. As coordinator, organized Two Day workshop at SPCE, on “Technical Aspects in Design and Construction of Bridges” on 22<sup>nd</sup> & 23<sup>rd</sup> April, 2016.
4. As coordinator, organized One week short term course on “Finite Element Analysis and its Applications” organized under TEQIP-II, at SPCE from 25<sup>th</sup> to 30<sup>th</sup> March 2017.
5. Organized Three Weeks Induction Program for F.Y.B.Tech. (C/E/M) newly admitted students in the academic year 2018-19.
6. As coordinator, organized Two Days Workshop for students on “Concrete Mix Design” under TEQIP-III in collaboration with Ambuja Cements Mumbai from 27<sup>th</sup> to 28<sup>th</sup> November 2018.
7. Organized Three Weeks Induction Program for F.Y.B.Tech. (C/E/M) newly admitted students in the academic year 2019-20.

## **FDP/STTP ATTENDED**

1. Attended **One Week** short-term course on “Rehabilitation of Concrete Structures – Special Repairs” organized by Sardar Patel College of Engineering, Mumbai from 16-2-1996 to 2-3-1996.
2. Attended two days CEP course on “Base Isolation for Earthquake Resistant Design of structures” conducted at IIT Bombay from 20-6-2000 to 21-6-2000.
3. Participated in one day QIP workshop on “Strength of Materials” conducted at IIT Bombay on 7-1-2001.
4. Participated in **One Week** National Workshop on “Structural Steel Design for University Faculty” organized at IIT Bombay from 18-6-2001 to 23-6-2001.
5. Participated in **Two Week** short term training course on “Structural Dynamics – Applications to Earthquake Engineering” organized at IIT Bombay under the aegis of National Programme on Earthquake Engineering Education (NPEEE) from 24-11-2003 to 5-12-2003.
6. Attended seminar on ‘Transducers & Conditioning for Sound & Vibration’ organized by Jost’s Engineering Company Ltd. Pune, and Brue & Kjaer Denmark, at Mumbai on 8<sup>th</sup> July 2005.
7. Participated in two-day course on “Effective Role Execution for Institute Development Training Module T.M. -6” organized by VJTI as a part of TEQIP Networking Activity from 4-3-2009 to 5-3-2009.
8. Participated in two-day training on “Analysis and Design of High Rise Buildings using STAAD.Pro” organized by Sardar Patel College of Engineering, Mumbai from 27-3-2009 to 28-3-2009.
9. Attended Lecturer on ‘Research in Earthquake Engineering with Emphasis on Damping and Passive Energy Systems’ by Prof. Finley Charney, Virginia Tech. Blacksburg, Virginia, U.S.A. JOINTLY ORGANISED BY EPICONS Friends of concrete and V.J.T.I. – Mumbai on 30<sup>th</sup> March 2009.

10. Attended and presented the paper at the National Workshop on Rehabilitation and Retrofitting of Structures, WSRR-09, held at I.I.T. Bombay from 28<sup>th</sup> to 30<sup>th</sup> August 2009.
11. Participated in Professional Development Course on “Effective Property Management in the 21<sup>st</sup> Century” organized by Technoasis at K.J Somaiya Institute of Management Studies and Research, Mumbai from 18-12-2009 to 19-12-2009.
12. Attended **One Week** training on “Lead Inspector Course (40 Hrs)” organized by ICMQ Certification India Pvt. Ltd., at Sardar Patel College of Engineering, Mumbai from 19-1-2010 to 23-1-2010.
13. Attended a Special Lecture Series for Structural Engineers on ‘Performance-Based Plastic Design of Earthquake-Resistant Structures’ organized by IIT Bombay on 29-1-2010.
14. Participated in One Day Workshop on ‘E- Governance, New Norms & Standards for Online Application Process’ organized by All India Council for Technical Education (AICTE) at Sardar Patel College of Engineering, Mumbai on 4-3-2010.
15. Participated in Professional Development Course on “Cracks in Concrete & Crack Repairs” organized by Sardar Patel College of Engineering and Dr. Fixit Institute of Structural Protection & Rehabilitation at Sardar Patel College of Engineering, Mumbai on 25-6-2010.
16. Participated in the National Workshop on ‘Seismic Design of Earth Structures & Foundations for High Rise Buildings’, held at The International Institute of Information Technology (IIIT), Hyderabad on 26-6-2010.
17. Participated in Professional Development Course on “Analysis & Design of Cold-formed Steel Sections Used in Construction Industry” organized by Sardar Patel College of Engineering and Thakkarsons Roll Forming Pvt. Ltd at Sardar Patel College of Engineering, Mumbai on 30-10-2010.
18. Attended AICTE approved **One Week** STTP on “Application of Finite Element Method in Civil Engineering” organized by VJTI from 16/04/2012 to 20/04/2012.

19. Attended One day Training on “Web-Based e-Financial Monitoring Report (FMR) and Financial Management” for TEQIP Phase-II organized by Chemical Engineering Department of Institute of Chemical Technology, Mumbai, on 21<sup>st</sup> April, 2012.
20. Attended **One Week** course on “Advanced Steel Design” organized by IIT Delhi, New Delhi from 8-10-2012 to 12-10-2012.
21. Attended **One Week** course on “Seismic Design of Reinforced Concrete Structures” organized by IIT Gandhinagar, Ahmedabad from 26-11-2012 to 30-11-2012.
22. Attended Three Days “Advanced Course on Communication and Power Transmission Towers” organized by CSIR, at CSIR Campus, Chennai from 6-2-2013 to 8-2-2013.
23. Attended two days workshop on “Workplace Motivation” organized by Flagship HR Solutions Pvt. Ltd., at SPCE, Mumbai from 22-02-2013 to 23-02-2013.
24. Attended two days Theme Meeting on “Micro-Nano technology in Service of Rural India” organized by BARC, Mumbai & Walchand College of Engineering, Sangli, at Walchand College of Engineering, Sangli from 1-3-2013 to 2-3-2013.
25. Attended One day workshop on “e-MIS & e-FMR” organized by SPFU/DTE at Sinhgad Institute, Vadgaon (Bk), Pune on 4<sup>th</sup> March, 2013.
26. Attended **One Week** workshop on “Product Design Validation using Finite Element Analysis” organized by SPCE, at SPCE, Mumbai from 24-6-2013 to 28-6-2013.
27. Attended two days e-FMR Training Programme Conducted by SPFU and organized in SPCE on 28th & 29th May 2014.
28. Attended **One Week** Short Term Training Programme (STTP) on “Inter Personal Skills & Management”, organized at SPCE, Mumbai from 30-6-2014 to 4-7-2014.
29. Attended three days Training Programme on “Objectives and Outcome based Education System with Special Emphasis on Feedback and Assessment of PEOs and POs”, organized at SPCE, Mumbai from 10-7-2014 to 12-7-2014.

30. Attended three days Short Course on “Geotechnical Investigation for Structural Engineering.” at IIT Gandhinagar, Ahmedabad, from 13th to 15th November 2014.
31. Attended two days TEQIP-II Sponsored International Workshop on “Emerging Trends in Earthquake Engineering and Structural Dynamics” at IIT Delhi, from 20th to 21st December 2014.
32. Attended Live demonstration cum Workshop of “New Generation Concrete Floors using Somero Laser Screed & Dramix Steel fibers” organized at SPCE, on 15<sup>th</sup> & 17<sup>th</sup> April 2015.
33. Attended two days workshop on “Technical aspects in design and construction of bridges” at SPCE on 22<sup>nd</sup> & 23<sup>rd</sup> April, 2016.
34. Attended Two days training Program on “Faculty and Staff Development for Improved Competency and Institutional Management Capacity Enhancement” organized under TEQIP-II, at SPCE from 21<sup>st</sup> to 22<sup>nd</sup> March 2017
35. Attended **One Week** short term course on “Finite Element Analysis and its Applications” organized under TEQIP-II, at SPCE from 25<sup>th</sup> to 30<sup>th</sup> March 2017.
36. Attended **One Week** “Faculty Induction Program” organized by National Project Implementation Unit (NPIU) in collaboration with College of Engineering, Pune (COEP) under TEQIP-III at College of Engineering, Pune from 27<sup>th</sup> November to 2<sup>nd</sup> December 2017.
37. Attended Two days National Workshop on “National Building Code of India 2016 & Revised Seismic Codes” organized by Bureau of Indian Standards, The Institution of Engineers (India) and IIT Bombay, Mumbai from 4-10-2018 to 5-10-2018.
38. Attended **One Week** “Faculty Development Program” under Twinning, organized by Sardar Patel College of Engineering, Mumbai under TEQIP-II from 29-10-2018 to 2-11-2018.
39. Attended Two days workshop on “Concrete Mix Design” under TEQIP-III, organized by Sardar Patel College of Engineering in collaboration with Ambuja Cements, Mumbai from 27-11-2018 to 28-11-2018.

40. Participated in **One Week** training on “Professional Development Training” under TEQIP-III, organized by IIM Indore, from 28-01-2019 to 1-02-2019.
41. Attended two days seminar on “Retrofitting of Steel Structures” organized by IIT Hyderabad, from 27<sup>th</sup> to 28<sup>th</sup> September 2019.
42. Attended **One Week** ISTE-STTP on “Hands on Modern 3D Modeling and Printing Techniques” at Sardar Patel Institute of Technology, Mumbai from 2<sup>nd</sup> December to 7<sup>th</sup> December 2019.
43. Attended **Two Week** Course (Online) on “Digital Transformation in Teaching Learning Process”, organized by NPIU, and conducted by IIT Bombay from 6<sup>th</sup> April to 22<sup>nd</sup> April 2020.
44. Attended Three Days Webinar (Online) on “MIDAS Civil - Bridge Engineering Webinar Series”, organized by MIDAS, from 28<sup>th</sup> April to 7<sup>th</sup> May 2020.
45. Attended Webinar (Online) on “Tall, Super Tall and Mega Tall Buildings - Structural Systems”, organized by ACC KNOWLEDGE SERIES, on 2<sup>nd</sup> May 2020.
46. Attended NPTEL Lecture Series (Online) on “Use of Technology in Educational Content Development”, organized by NPTEL, on 4<sup>th</sup> May 2020.
47. Attended Webinar (Online) on “Mental Health during COVID-19 Lockdown”, organized by Sardar Patel College of Engineering, on 13<sup>th</sup> May 2020.
48. Attended Webinar (Online) on “Application of Fibre Reinforced Polymer (FRP) in Strengthening and Retrofitting of Concrete Structures”, organized by Sardar Patel College of Engineering, on 28<sup>th</sup> May 2020.
49. Attended Webinar (Online) on “Legends who built our Nation: Er. Kamal Hadkar”, organized by iDAC | CTBUH, on 31<sup>st</sup> May 2020.
50. Attended Webinar (Online) on “COVID-19: Global and National Perspective - What we have learnt so far”, organized by National Institute of Disaster Management, on 2<sup>nd</sup> June 2020.
51. Attended **Three Weeks** Training (Online) on “Yoga Satra”, organized by Vivekananda Kendra, Maharashtra Prant, from 1<sup>st</sup> June to 21<sup>st</sup> June 2020.

52. Attended Webinar (Online) on “Analysis & Design of Liquid Retaining Structures”, organized by Association of Consulting Civil Engineers (India), Goa Centre & The Ramco Cements Ltd., on 26<sup>th</sup> June 2020.
53. Attended Webinar (Online) on “MEP Services in Healthcare”, organized by iDAC | CTBUH, on 4<sup>th</sup> July 2020.
54. Attended Webinar (Online) on “The Future of Online Teaching in India - Challenges & Solutions”, organized by Business Standard, on 24<sup>th</sup> July 2020.
55. Attended Webinar (Online) on “Teaching Online in India: Challenges and the Way Ahead”, organized by Confederation of Indian Industry (Western Region), on 25<sup>th</sup> July 2020.
56. Attended Digital Campus Placement Summit (Online) - “College to Corporate”, organized by Apli.ai, on 26<sup>th</sup> September 2020.
57. Attended Three Days Workshop (Online) on “Design Thinking for Educators in the New Normal”, organized by Sardar Patel College of Engineering, from 28<sup>th</sup> to 30<sup>th</sup> September 2020.
58. Attended **One Week** FDP (Online) on “Efficacy of Digital Pedagogy for Effective Online Teaching Learning”, organized by Sardar Patel College of Engineering, from 8<sup>th</sup> to 15<sup>th</sup> October 2020.
59. Attended Two days Online “National Level Workshop on Curriculum Framework 2022 for Universities, Engineering Colleges and Degree Colleges”, organized by Institute for Academic Excellence (IAE), on 21<sup>st</sup> and 22<sup>nd</sup> March, 2022.
60. Attended **One Week** AICTE & ATAL FDP on “Urban infrastructure, sustainability and Climate Change” organized by Sardar Patel College of Engineering, at Sardar Patel College of Engineering, Mumbai from 8-1-2024 to 13-1-2024.

**NUMBER OF M.E./M.TECH. STUDENTS GUIDED: 84**

**PRESENTLY GUIDING 7 Students**

**NUMBER OF STUDENTS REGISTERED FOR PhD: 2**

**NUMBER OF STUDENTS COMPLETED PhD: 1**

### **Achievements:**

- **Paper Titled “Comparative Research on Tuned Mass Damper, Tuned Liquid Damper and Tuned Particle Damper on the Basis of Mass Ratio on a Framed Model”** secured **2<sup>nd</sup> Rank in Best Paper Award** at the international conference **SPICON 2022** organised by **SPCE Mumbai** in association with **SPIT, Mumbai**.
- **Received “Research Excellence Award 2022”** from **Sardar Patel College of Engineering, Mumbai**.
- **Member of Mumbai Heritage Conservation Committee (MHCC)**