

## **CURRICULAM VITAE**

Name : **Dr. Chetana Mahendra Bhongade (Dubey)**

Designation : Assistant Professor and Head,

Department : Mathematics

Date of Birth : 07/08/1967

Date of Joining : 01/01/1994

Qualification : M.Sc., Ph. D., M.Phil., B.Ed., Post B.Sc. diploma in Com. Sc.

Address : Shri Shivaji Arts, Commerce & Science college, Rajura- 442905(MS)

Area of research : Thermoelasticity

Projects Undertaken : UGC sanctioned Minor Research Project File No. 47 747/13(WRO) under XII<sup>th</sup> plan for 2014-2016 and completed.



### **Orientation /Refresher course/FDP:**

- Attended Orientation course UGC sponsored at Academic Staff College Nagpur University, Nagpur from 16/08/1994 to 08/09/1994.
- Attended Refresher course UGC sponsored Academic Staff College Nagpur University, Nagpur at Amravati University from 01/03/1999 to 24/03/1999.
- Attended Refresher course on Mathematical Science organized by Sant Gadge baba Amravati University, Amravati from 08/11/2005 to 28/11/2005.
- Attended Refresher course on IT Application (Mathematics) organized by Academic Staff College Nagpur University, Nagpur from 10/12/2008 to 30/12/2008.
- Attended FDP Sponsored by M H R D, Organised by Teaching learning centre of Ramanujan college, New Delhi,” Managing online classes and co- creating MOOCS 2.0” 18<sup>th</sup> May- 3<sup>rd</sup> June 2020.
- Attended FDP Sponsored by M H R D, Organised by Teaching learning centre of Ramanujan college, New Delhi open source tools for research 8<sup>th</sup> June -14<sup>th</sup> June 2020.
- Attended FDP Sponsored by M H R D, Organised by Teaching learning centre of Ramanujan college, New Delhi 2<sup>nd</sup> July – 17<sup>th</sup> July 2020
- Attended FDP organised by GMR Institute of technology Rajan AP 25<sup>th</sup> June – 29<sup>th</sup> June 2020

- Attended Refresher course Sponsored by M H R D, organised by Teaching learning centre of Ramanujan college, New Delhi 15<sup>th</sup> Dec – 29<sup>th</sup> Dec 2021.

**Seminar/ Conference/Workshop etc attended:**

1. Orientation Programme in Mathematics Nagpur University, Nagpur from 24/08/1994 to 25/08/1994.
2. Workshop on NAAC at Sardar Patel College, Chandrapur on 15 Dec. 2002.
3. National Conference on Mathematics “Key to the future development in Science” organized by Sindhu Mahavidhalaya Nagpur and Nagpur University Mathematics teachers association on 01/02/2003 to 02/02/2003.
4. National Seminar on “Recent Trend in Mathematics” organized by Kamala Nehru Mahavidhalaya Nagpur and Department of Mathematics Nagpur University, Nagpur on 11Jan. 2004.
5. International Conference on Relativity organized by Sant Gadge Baba Amravati University, Amravati from 11/01/2005 to 14/01/2005.
6. UGC sponsored State level Seminar “Recent Trend in Mathematics and their Application” organized by S. P. College, Chandrapur on 21 March 2009.
7. CSIR sponsored Conference on Gravitation Theories and Astronomy organized by Nilkanthrao Shinde College, Bhadrawati on 28-30 Dec. 2009.
8. National Conference PDFT-12 organized by Sindhu Mahavidhalaya Nagpur on 28-29 Jan 2012.
9. National Conference “Recent Development in Maths, Statistics and Computer Science & their application” organized by Dr. Ambedkar College, Nagpur on 2-3 Dec 2011.
10. Workshop on Syllabus of B. Sc.I Gondawana University, Gadchiroli on 24 July 2012 at M. G. College Armori.
11. National Seminar of Mathematics at Department of Mathematics, R. T. M. Nagpur University, Nagpur on 17& 18 Feb 2012.
12. International Conference organized by Shivaji College, Nagpur on Dec. 2013.
13. National Conference on Frontiers of Mathematics NCFM- 22 organized by Kamala Nehru Mahavidhalaya Nagpur on 2013.
14. National Conference on “Recent Trend in Mathematical Science” organized by Art’s, Commerce and Science College, Koradi on 22 Oct. 2013.
15. International Conference (ICRAM) organized by Department of Mathematics R. T. M. Nagpur University, Nagpur on 20 -23 Jan. 2014.

16. Workshop on Scope for Syllabus of Semester V & VI at Nilkantarao Shinde Mahavidhayala, Bhadravati on 06 July 2014.
17. National Seminar on General Relativity and Thermoelasticity at Department of Mathematics, R. T. M. Nagpur University, Nagpur on 13-14 Feb 2015.
18. State level workshop organized by Gondawana Vidhyapitha Shikshan Manch , Gadchiroli and Akhil Bhartiya Shikshak Mahasangha-Higher Education Wing, Maharashtra on 25-26 March 2017.
19. One day workshop on Revised NAAC Frame work organized by Shree Shivaji Arts, Commerce & Science College , Rajura on 15<sup>th</sup> Oct, 2019.
20. National Seminar on New National Education Policy-2019 organized by Dr. Babasaheb Ambedkar Gondwana University, Gadchiroli Teachers Association Chandrapur on 1<sup>st</sup> Sep. 2019.
21. National Seminar on Agriculture and Rural Development: Challenges & Remedies organized by Shree Shivaji Arts, Commerce & Science College , Rajura on 9<sup>th</sup> Dec. 2019.
22. One day National Conference on Recent Trends in Mathematical, Physical, Chemical, Library and Life Sciences organized by N. S. College Bhadravati on 7<sup>th</sup> Feb. 2020.
23. Symposium on Laws relating to Women organized by Law college, Tukum on 27<sup>th</sup> Feb. 2020.
- 24.

**Papers presented in Conference/ Seminar:**

- National Conference PDFT-12 organized by Sindhu Mahavidhalaya Nagpur.
- “Quasi static thermal stresses in a hollow cylinder”, National Conference Recent Development in Maths, Statistics and Computer Science and their application organized by Dr. Ambedkar College, Nagpur.
- “Quasi Static thermal transient stresses in a hollow cylinder with internal heat generation”, International Conference on Dec. 2013, organized by Shivaji College, Nagpur.
- “Quasi static transient thermal stresses in finite hollow cylinder with internal heat generation and asymmetric to temperature conditions”, National Conference on Frontiers of Mathematics NCFM- 22 organized by Kamala Nehru Mahavidhalaya Nagpur.
- “Quasi Static Thermal Stresses induced by a circular internal point heat source in a circular plate”, National Conference on Recent Trend in Mathematical Science organized by Art’s, Commerce and Science College, Koradi on 22 Oct. 2013.

- “Quasi static transient thermal stresses in thick annular disc with internal heat generation”, International Conference (ICRAM) on 20 -23 Jan. 2014 organized by Department of Mathematics R. T. M. Nagpur University, Nagpur.

### **Research Publication:**

1. C. M. Bhongade and M. H. Durge, Some study of thermoelastic steady state behavior of thick annular disc with internal heat generation, IOSR Journal of Mathematics, Volume 7, Issue 6, pp. 47-52, 2013[e-ISSN: 2278-5728,p-ISSN: 2319-765X, Impact factor=1.312].
2. C. M. Bhongade and M. H. Durge, Effect of Michell function on steady state behavior of thick circular plate with internal heat generation, IOSR Journal of Mathematics, Volume 8, Issue 2, pp. 55-60, 2013[e-ISSN: 2278-5728,p-ISSN: 2319-765X, Impact factor=1.312].
3. C. M. Bhongade and M. H. Durge, An inverse steady state thermal stresses in a thin clamped circular plate with internal heat generation, AJER, Volume-02, Issue-10, pp. 276-281, 2013 [e-ISSN : 2320-0847 p-ISSN : 2320-0936].
4. C. M. Bhongade and M. H. Durge, An inverse steady state thermal stresses in a limiting thick circular plate with internal heat generation, Asian Journal of Current Engineering and Maths, 2: 6, pp. 353 – 356, 2013[ISSN NO. 2277-4920].
5. C. M. Bhongade and M. H. Durge, Mathematical modeling of quasi static thermoelastic transient behavior of thick circular plate with internal heat generation, International Journal of Engineering Research and Applications, Vol. 4, Issue 9, pp.38-45, 2014[ISSN 2248-9622, Impact factor1.69].
6. C. M. Bhongade and M. H. Durge, Effect of Michell function on the thickness of circular plate with internal heat generation, IOSR Journal of Mathematics, Volume 9, Issue 4, pp. 62-70, Jan 2014[e-ISSN: 2278-5728,p-ISSN: 2319-765X, Impact factor=1.312].
7. C. M. Bhongade and M. H. Durge, Mathematical modeling of quasi -static thermoelastic steady state behavior of thick circular plate with internal heat generation, International Journal of Physics and Mathematical Sciences, Vol. 3 (4), pp.8-14, 2013.
8. C. M. Bhongade and M. H. Durge, Transient thermal stresses due to instantaneous internal heat generation in a thin hollow cylinder, International Journal of Mathematics and Statistics Invention (IJMSI), Vol. 2, Issue 3, March 2014, pp. 83-88.
9. C. M. Bhongade and M. H. Durge, Effect of Michell function on the thickness of annular disc with internal heat generation, International Journal of Physics and Mathematical Sciences, Vol. 3 (4), pp.1-7, 2013.

10. C. M. Bhongade and M. H. Durge, Michell's function and limiting thickness of circular plate with internal heat generation, *International Journal of Physics and Mathematical Sciences*, Vol. 3 (4), pp.43-49, 2013.
11. C. M. Bhongade and M. H. Durge, Quasi static thermal stresses in thin rectangular plate with internal heat generation, *Asian Journal of Current Engineering and Maths*, 3: 1 Jan – Feb (2014), pp. 1 – 4[ISSN 2277-4920].
12. C. M. Bhongade and M. H. Durge, A brief note on quasi static thermal stresses in a thin rectangular plate with internal heat generation, *AJER*, Volume-02, Issue-12, pp. 388-393, 2013[e-ISSN : 2320-0847 p-ISSN : 2320-0936].
13. C. M. Bhongade and M. H. Durge, Quasi static thermal stresses in a limiting thick circular plate with internal heat generation due to axisymmetric heat supply, *International Journal of Mathematics and Statistics Invention (IJMSI)*, Volume 1, Issue 2, December. 2013, pp. 56-63[ISSN 2321-4761].
14. C. M. Bhongade and M. H. Durge, Quasi Static Thermal Stresses induced by a circular internal point heat source in a circular plate published in National conference proceeding, *Recent Trend in Mathematical Science* organized by Art's, Commerce and Science College, Koradi on 22 Oct. 2013(ISBN: 9789381432594).
15. C. M. Bhongade and M. H. Durge, Quasi static transient thermal stresses in finite hollow cylinder with internal heat generation and asymmetric to temperature conditions published in National Conference proceeding on *Frontiers of Mathematics NCFM- 22*, Mar.2013(ISBN:978-93-81432-57-0).
16. M. H. Durge, C. M. Bhongade and S. P. Pawar, Quasi static thermal transient stresses in a hollow cylinder with internal heat generation and asymmetric temperature conditions published in National Conference proceeding on *Recent Advances in Mathematics and Applications*, pp.81-90, 2012 (ISBN-13/978-81-923377-1-5).
17. C. M. Bhongade, *Gramin Striyanche Arogya*, Sunrise Multidisciplinary Research Journal, pg.84-88 (ISSN No. 2319-8214).
18. C. M. Bhongade and M. H. Durge, Mathematical Modeling of Quasi Static Thermoelastic Transient behavior of thick circular plate with Internal Heat Generation, *Int. Journal of Engineering Research and Applications*, Vol. 4, Issue 9( Version 2), September 2014, pp.38-45(ISSN : 2248-9622).
19. C. M. Bhongade and M. H. Durge, Effect of Michell's Function in Stress Analysis Due to Axisymmetric Heat Supply of a Limiting Plate, *International Journal of Engineering Research and Applications*, ISSN: 2248-9622, Vol. 6, Issue 4, (Part - 7) April 2016, pp.39-44. Impact

factor 1.69.

20. C. M. Bhongade, Effect of Michell function on the thickness annular disc with internal heat generation , Proceedings of National Conference on Recent Trends in Mathematics, ISBN: 978-81-930336-1-6, pg87-96.
21. C. M. Bhongade,, कृषी आनी ग्रामीण विकास, तंत्रज्ञान भूमिका, ISSN:2277-5730, Volume-VIII, Issue-IV Impact factor 6.399.

- Organized one day **National conference on Recent Trends in Mathematics on 16<sup>th</sup> Feb 2019.**
- Convener of NCRTM-2019
- Worked as a co-programme officer in State Level NSS camp on Awareness for Cleanliness on 17<sup>th</sup> Jan. 2020 to 23<sup>rd</sup> Jan. 2020 at Shivaji Ashram School Subbai, Ta. Rajura.
- **Member of Board of studies** of Mathematics, Gondawana University, Gadchiroli 2017-2022.
- Member of 48(3), 2017-2022.
- **Member of organizing committee of National conference Godawari science college Tumsar** Recent Advances in Mathematics and Applications, 2012.
- **Member of organizing committee of** UGC sponsored National conference on Frontier of Mathematics 2013.
- **Member of Board of studies** of Mathematics, Gondawana University, Gadchiroli 2015-2016 and 2016-17.
- **Officer In Charge** of R. T. M. Nagpur university, Nagpur winter Examination 2014.
- **Officer In Charge** of R. T. M. Nagpur university, Nagpur Summer Examination 2015.
- **Member of selection committee as Subject expert** on 22 Aug 2012 at S P College Chandrapur.
- **Member of LEC** at Mohasinbhai J. College Wadsa on 31 Aug 2012.
- **Member of LEC** at College Arjuni Morgaon on April 2012.
- Worked as a “subject expert “for seminar in Ph.D. course work of the student in Gondawana University, Gadchiroli at CHLR, Nilkanthrao Shinde Science and Art’s College, Bhadravati.
- Guest lecture in pre police training centre at Korpana 2011-12.
- Speech on the occasion of Women Day on 8<sup>th</sup> March 2015 organised by J C I Sasti.
- Speech at Nimni on Women Empowerment 2015.

**Special Contribution in Academic life of the college, Community service:**

- Participation in NSS camp.
- Worked in IGNOU valuation of assignments of Mathematics of the Bachelor's prepatory and Bachelor's degree programme, Chandrapur Study centre of IGNOU.
- **Interview on Radio "How to create students interest in Mathematics" (2010-11)**
- **Participation in Tree plantation at college adopted village Hirapur (2010-11)**
- Worked as a member of SRC for 2010-11, 2013-14 and 2014-15.
- Coaching for MPSC Classes and remedial classes.
- Worked as Member of Jagar Janiva committee 2012-13, 2013-14.