



PROFESSOR IN MATHEMATICS

CURRICULUM VITAE

45-B, Near Gurudwara Sahib,
Vill. Shekhpura, Post Office:
Punjabi University, Patiala-147002,
Punjab, India
Contact: +91-9779771937
Email: imnaveenphd@gmail.com

DR. NAVEEN KUMAR

OBJECTIVE

A passion to learn and implement my knowledge in an expressive way so as to achieve high level of qualitative performance which will lead to me as well as my institutional development and success in life. Ready to face challenges in organization that can provide me the platform to prove my skills and dedication towards my responsibilities.

POTENTIALITY

Possessing an imaginative & amiable temperament and hard working with a great positive attitude having a sense of creativity, dedication and commitment to my duties and responsibilities.

DOCOTR OF PHILOSOPHY (Ph.D. MATHEMATICS)

Ph.D. in Mathematics from Chandigarh University, Gharuan, Mohali, Punjab from July, 2016 to November, 2020.

EDUCATIONAL QUALIFICATION

- ❖ Ph.D. (Mathematics) from Chandigarh University, Mohali since July, 2016 to Nov, 2020 with 7.0 CGPA in Course Work.
- ❖ M.Sc. (Mathematics) from Punjabi University Campus, Patiala in 2012 with 60.70%.
- ❖ B.Sc. (CSM) from Punjabi University Campus, Patiala in 2010 with 79.34%.
- ❖ 10+2 from P.S.E.B Board in 2007 with 62.60%.
- ❖ Matriculation from P.S.E.B Board in 2005 with 61.76%.

TEACHING EXPERIENCE (8.5 YEARS)

- ❖ Presently I'm working as an Assistant Professor in Mathematics Division, University of Sciences, Chandigarh University, Mohali since 15th June, 2015 to till date.
- ❖ 09 Months worked as an Assistant Professor in Mathematics from 25th July, 2014 to 30th April, 2015 in Asian Educational Institution, Affiliated to Punjabi University, Patiala.
- ❖ 01 year worked as a Lecturer of Mathematics from 2nd August, 2013 to 24th July, 2014 in Sri Guru Harkrishan College of Management and Technology (SGHCMT), Affiliated to Punjabi University, Patiala.
- ❖ 10 Months worked as a Lecturer in Mathematics during the period July, 2012 to November, 2012 and January, 2013 to May, 2013 in the Department of Statistics, Punjabi University Campus, Patiala.

RESEARCH EXPERIENCE (5.5 YEARS)

- ❖ Involved in various Research Activities and Programs since 2015 till date.
- ❖ Presented various Research Papers in National and International Conferences.

- ❖ Published many Research Papers in UGC, SCOPUS, Series of Springer and ESCI Index Journals, Conference Proceedings, Book Chapters having ISBN Number etc.
- ❖ Published many Abstracts in National and International Conference Proceeding Abstract Books having ISBN Number.
- ❖ Guiding students of M.Sc. (Mathematics) and Ph.D. Research Scholars for writing their research papers in LaTeX and MATLAB.

EXTRA CURRICULUM ACTIVITIES & CERTIFICATION

1. 100+ Online Elsevier Research Academy Certificates about how to write research papers in the year 2020 till now.
2. Earned a learning certificate & medals for completion of free online courses: *Growth Mindsets for Teachers* (Cert No. 1572-15206386 & Alison ID: 15206386) on February 8, 2020 by Alison Education Company, Galway, Ireland. I have also earned Bronze, Silver and Gold Medals for this learning achievement.
3. Earned a learning certificate & medals for completion of free online courses: *Scrum Development* (Cert No. 1956-15206386 & Alison ID: 15206386) on February 5, 2020 by Alison Education Company, Galway, Ireland. I have also earned Bronze, Silver and Gold Medals for this learning achievement.
4. Accepted *Confirmations & Invitations* to participate in various *Faculty Development Programmes (FDPs)* during Feb-March, 2020 organized by the *Department of Applied Sciences, National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh*.
5. Attended the *Short Term Course: Mentoring and Counselling Skills Workshop* in *Curriculum Development Centre*, during 9th & 10th December, 2019 at *Institute of*

Technical Teachers Training and Research (NITTTR), Chandigarh. (Appl. ID W-421911307 & OPlan No. W-42).

6. Committee Member of 3rd National Conference on Recent Developments in Mathematical Modelling and Fuzziology-III (M²FZY-III) organized by Division Mathematics of University Institute of Sciences, held on 13th November, 2019 at Chandigarh University, Gharuan, Mohali.
7. Member of Organizing Committee to celebrate National Mathematics Day held on 18th December, 2019 under the Department of Mathematics, University Institute of Sciences (UIS), Chandigarh University, Gharuan, Mohali, Punjab, India.
8. Received a Module Reward Certificate for completion of Research Academy Module and earned Author Workshop Discount Award as well in 2018
9. Arrangement Coordinator to celebrate National Science Day held on 28th February, 2019 organized by the Division of Chemistry, University Institute of Sciences (UIS), Chandigarh University, Gharuan, Mohali, Punjab, India.
10. Received 70+ certificates of completion (Online certificates) from Elsevier Research Academy on various topics of research and Certificate of Excellence for completing every module with in ensuring visibility in 2018.
11. Member of Organizing Committee to celebrate National Mathematics Day on 18th December, 2018 under the Department of Mathematics, University Institute of Sciences (UIS), Chandigarh University, Gharuan, Mohali, Punjab, India.
12. Committee member in the National Conference on Recent Developments in Mathematical Modelling and Fuzziology-II (M²FZY-II) held from on 27th March, 2018 to 28th March, 2018 organized by the Department of Mathematics (UIS), Chandigarh University, Gharuan.

13. Participated in the *International Faculty Development Program (FDP)* held from 10th July, 2017 to 14th July, 2017 organized with the Department of Mathematics, University Institute of Sciences (UIS), Chandigarh University, Gharuan, Mohali, Punjab, India.
14. Participated in the *National Faculty Development Program (FDP)* held from 3rd July, 2017 to 7th July, 2017 organized by the Department of Mathematics, University Institute of Sciences (UIS), Chandigarh University, Gharuan, Mohali, Punjab, India.
15. Participated in *WORKSHOP ON MATLAB & ITS APPLICATION ON NUMERICAL METHODS* held from 8th July, 2015 to 14th July, 2015 organized in collaboration with the Department of Applied Sciences, University Institute of Engineering (UIE), Chandigarh University, Gharuan, Mohali, Punjab, India.
16. Participated in the program on the topic *TECHNOLOGY ORIENTED OUTCOME BASED TEACHING LEARNING PROCESS* held from 1st July, 2015 to 7th July, 2015. Organized by University Institute of Teachers Training and Research, Chandigarh University, Gharuan, Mohali, Punjab, India.
17. *Member of Organizing Committee* to celebrate *National Mathematics Day* held on 22nd December, 2017 under the Department of Mathematics, University Institute of Sciences (UIS), Chandigarh University, Gharuan, Mohali, Punjab, India.
18. *Organized Mathematics Olympiad* in the Department of Mathematics, University Institute of Sciences (UIS), Chandigarh University, Gharuan, Mohali, Punjab, India.
19. Organized several *Educational/Industrial Visits and Training* for the students in the Department of Mathematics, University Institute of Sciences (UIS), Chandigarh University, Gharuan, Mohali, Punjab, India.
20. Serving as a Counselor in Admission Cell since 2015 to till date.
21. Presented and Published Various Research Papers and monitored the M.Sc. students for

r the research.

22. 100+ Online certificates about how to write research papers in the year 2018 and 2019.

APPRECIATION AND AWARDS

1. Received the *Best Faculty Award by Indian Academic Researchers' Association (IARA Award 2020)* on November 22, 2020 in Tiruchirappalli, Tamil Nadu-620021.
2. Received an *International Distinguished Researcher Award (IDRA 2020)* under *Green ThinkerZ e-Awards 2020* by *Green ThinkerZ Society* on November 18, 2020.
3. Received an *International Distinguished Educators Award (IDEA 2020)* under *Green ThinkerZ e-Awards 2020* by *Green ThinkerZ Society* on November 18, 2020.
4. Received the *Best Scholar Award* with my Profile ID: RA-VD00934 in the 5th *International Scientist Awards on Engineering, Science and Medicine* organizing by *VDGOOD Professional Association* held in *Hyderabad, India* on April 11-12, 2020. It's always a great feeling when we won the *Scientist Award*.
5. Received the *Best Faculty Award* in 4th *International Scientist Awards on Engineering, Science and Medicine* organized by *VDGOOD Professional Association* held on Feb 15-16, 2020 in *Chennai, India*.
6. Secured 2nd Position in the activity of *PPT Presentation on Inventions and Contribution of Indian Mathematicians on National Mathematics Day (NMD-2019)* organized by *Mathematics Division, University Institute of Sciences, Chandigarh University, Gharuan, Mohali, Punjab, India* held on 18th December, 2019.
7. Awarded for "*Most Popular Teacher Award*" and "*Overall Best Teacher Award*" of *Chandigarh University* on Teacher's Day with "*S. Radhakrishnan Trophy*". I was also honored with a "*Diamond Ring*" for contributions in *Education*.

8. Received *1st Rank Award* with the Certificate of Honor for *“Student’s Favourite Teacher”* award on Teacher’s Day 5th September, 2019 at *Chandigarh University, Gharuan*.
9. Received *“Module Reward Certificates”* for completion of *“Research Academy Module”* and earned *“Author Workshop Discount Award”* in 2019.
10. Received *Eleven “Certificates of Excellence”* for completing every module with in various Topics of Research from *“Elsevier Research Academy”* in 2019.
11. Cordially invited with honour as a *“Judge”* for the *“Techno Pedagogical Innovation”*, a Flagship Event of *“Chandigarh University Tech Invent 2019”* in *University Institute of Teachers Training and Research (UITTR)* on 5th–6th April, 2019.
12. A Research paper was accepted for presentation in *“Young Scientist Award”* during 22nd Punjab Science Congress held from 7th February, 2019 to 9th February, 2019 at *DAV Institute of Engineering. & Technology (DAVIET), Kabir Nagar, Jalandhar, Punjab, India*.
13. Awarded with the Certificate of Honor for *“Student’s Favourite Teacher”* on Teacher’s Day 5th September, 2018 at *Chandigarh University, Gharuan, Mohali, Punjab, India*.
14. *Certificate of Appreciation* on the 13th of July, 2018 in recognition of *OUTSTANDING DEDICATION & COMMITMENT* towards *Chandigarh University* in association with *HD FC Bank*.
15. Cordially invited with honour as a *“Judge”* in the activities held on *Tech Invent 2018* during 26th-27th March, 2018 at *Chandigarh University, Gharuan, Mohali, Punjab, India*.
16. Secured *1st Position* in the activity of *Technical Poster Presentation on Tech Invent-2018* organized by *DSW, Chandigarh University, Gharuan, Mohali, Punjab, India* during 26th-27th March, 2018.
17. *Certificate of Appreciation* in 23rd National Children’s Science Congress (NCSC-2015) held at *Chandigarh University, Gharuan, Mohali, Punjab, India* during 27th-31st December,

2015.

CONFERENCES AND WORKSHOPS

1. Attended Keynote Session of *Dr. Korhan Cengiz*, Professor, Trakya University, Turkey on 29th October, 2020 during *ICAAAIML-2020: International Conference on Advances and Applications of Artificial Intelligence and Machine Learning* held on 29th and 30th October, 2020 at *Sharda University Uttar Pradesh, Greater Noida* in collaboration with *Springer*. Certificate No.: *SU/SET/CSE/ICAAAIML2020/KA/53*.
2. Two Research Papers have been accepted Presentation at *National Conference On Advances in Materials Science and Technology (NCAMST-2020)* held on February 29 & March 1, 2020 in *Jaipur, India*.
3. A research paper has been accepted by the review committee for Oral Presentation at the *International Conference on Applied Science, Mathematics and Statistics (ICASMS-20)* will be held in *Jaipur, India* on 29th February, 2020. That paper will be published in the *Conference Proceeding* and UGC approved journal.
4. Presented a research paper in *International Conference on Mathematical Analysis and Its Applications (ICMAA-2019)* held during 14-16 December, 2019 organized by *Department of Mathematics, South Asian University, New-Delhi* supported by *SAU, CSIR and SERB*.
5. Presented a research paper in the 3rd *International Conference on Innovations in Computing (ICIC-2019)* held on 12-13 December, 2019 at *CGC College of Engineering, Mohali, India*.
6. Presented a research paper in *International Conference on Trends in Computational and Cognitive Engineering (TCCE-2019)* organized by *School of Engineering & Technology*

and Department of Mathematics, Central University of Haryana, Mahendergarh (Sponsored by CSIR and DST-SERB) during November 28-30, 2019.

7. *Two Abstracts are published with different author numbers in the 3rd National Conference on Recent Developments in Mathematical Modelling and Fuzziology-III (M²FZY-III) organized by Mathematics Division of University Institute of Sciences, held on 13th November, 2019 at Chandigarh University, Gharuan, Mohali, India.*
8. *Presented a research paper in 3rd National Conference on Recent Developments in Mathematical Modelling and Fuzziology-III (M²FZY-III) organized by Mathematics Division of University Institute of Sciences, held on 13th November, 2019 at Chandigarh University, Gharuan, Mohali, India.*
9. *An Abstract is published in the conference Number Theory, Combinatorics and Special Functions, Symposium on Applied Mathematics and Engg. Applications organized by the School of Mathematics, Thapar Institute of Engineering and Technology (TIET), Patiala during October 11-12, 2019.*
10. *Presented a research paper in International Conference on Functional Materials and Simulation Techniques (ICFMST-2019) jointly organized by University Institute of Sciences (UIS), Chandigarh University, University of Mauritius, Mauritius and Concordia University, Canada, held on 7th & 8th June, 2019 at Chandigarh University, Gharuan, Mohali.*
11. *Participated in One Week Workshop on Practical Hands of LaTeX as Delegate organized by the Division: Mathematics (UIS), Chandigarh University, Gharuan, Mohali (Punjab) from 27th to 31st May, 2019.*
12. *Presented a research paper in Chitkara University Doctoral Consortium (CUDC-2019), A Colloquium of Doctoral Research Scholars held on May 17-18, 2019 at Chitkara*

University, Punjab, India.

13. Presented a research paper during *22nd Punjab Science Congress, Innovating Science & Technology* in the Service of Society under the aegis of *Punjab Academy of Sciences* held from *7th February, 2019 to 9th February, 2019* at *DAV Institute of Engineering & Technology (DAVIET), Jalandhar*.
14. Presented a research paper in the *National Conference on Recent Developments in MATHEMATICAL MODELLING AND FUZZIOLOGY-II (M²FZY-II)* on *27th March, 2018 to 28th March, 2018* organized by the *Department of Mathematics (UIS), Chandigarh University, Gharuan*.
15. Participated in *Three Days National Workshop on LaTeX and Technical Writing* held from *23rd November, 2018 to 25th November, 2018* organized by the department of *Basic and Applied Sciences in Punjabi University Patiala*.
16. Presented a research paper in the *National Conference on Recent Developments in MATHEMATICAL MODELLING AND FUZZIOLOGY (M²-FZY)* held on *28th October, 2015 to 29th October, 2015* organized by the *Department of Applied Mathematics, Chandigarh University, Gharuan*.
17. Participated in *WORKSHOP ON MATLAB & ITS APPLICATION ON NUMERICAL METHODS* held from *8th July, 2015 to 14th July, 2015* organized in collaboration with the *Department of Applied Sciences (UIE)*.

PUBLICATIONS

1. Published a research paper entitled *A Study of Convergence Behavior of Fixed Point Iterative Processes via Computer Simulation* in the journal *Advances and Applications in Mathematical Sciences (WoS-ESCI)*, *Mili Publications* in November, 2020.
2. Published a research paper entitled *Emphasis of Coefficients on the Convergence Rate o*

f Fixed Point Iterative Algorithm in Banach Space in the journal Advances in Mathematics: Scientific Journal (Scopus Indexed) in 2020.

3. Published a research paper entitled *Validation of Theoretical Results of Some Fixed Point Iterative Procedures via Numerical Illustration in the journal Test Engineering & Management (Scopus Indexed) in May, 2020.*
4. Published a Research Paper entitled *Impact of Interchange of Coefficients on Various Fixed Point Iterative Schemes in the journal Advances in Intelligent Systems and Computing (AISC), Series of Springer (ISI Proceedings, EI-Compendex, DBLP, SCOPUS, Google Scholar and Springerlink) in July, 2020.*
5. Accepted a Book Chapter for publication entitled *Convergence Analysis of Picard S-Iteration and its Numerical Illustration in the book Future Aspects in Engineering Sciences and Technology, Chandigarh University, Gharuan in November 2019.*
6. An Abstract is published in the Abstract Book of the conference *Number Theory, Combinatorics and Special Functions, Symposium on Applied Mathematics and Engg. Applications* organized by the School of Mathematics, *Thapar Institute of Engineering and Technology (TIET), Patiala* during October 11-12, 2019.
7. Two Abstracts are published in the Abstract Book with different author numbers in the *3rd National Conference on Recent Developments in Mathematical Modelling and Fuzziology-III (M2FZY-III)* organized by *Mathematics Division of University Institute of Sciences*, held on 13th November, 2019 at *Chandigarh University, Gharuan, Mohali, India.*
8. Four Abstracts are published in the Abstract Book of *International Conference on Functional Materials and Simulation Techniques (ICFMST-2019)* jointly organized by *University Institute of Sciences (UIS), Chandigarh University, University of Mauritius, Mauritius and Concordia University, Canada*, held on 7th & 8th June, 2019 at *Chandigarh University, Gharuan, Mohali* with ISBN No.: 978-93-5361-510-9
9. Published a Research Paper entitled *Self-Comparison of Convergence Speed in Agarwal, O'Regan and Sahu's S-Iteration* in *SCOPUS Index Journal, International Journal on Emerging Technologies*, 10 (2b), pp. 105-108 in 2019.
10. An Abstract is published in the Abstract Book of the conference *22nd Punjab Science Congress*, held from 7th February, 2019 to 9th February, 2019 at *DAV Institute of Engineering & Technology (DAVIET), Kabir Nagar, Jalandhar* under the aegis *Punjab Academy of Sciences, Patiala*, with the ISBN: 978-81-923858-8-4.

11. Published a Research Paper entitled *A Review on the convergence speed in the Agarwal et al. and Modified-Agarwal Iterative Schemes* in UGC Index Journal, *Universal Review*, Vol. 7, Issue X, pp. 163-167 in 2018.
12. Published a Research Paper entitled *An Illustrative Analysis of Modified-Agarwal and Jungck-Mann Iterative Procedures for their Speed of Convergence* in UGC Index Journal, *Universal Review*, Vol. 7, Issue X, pp. 168-173 in 2018.
13. Published a Research Paper entitled *Examination of the Speed of Convergence of the Modified-Agarwal Iterative Scheme* in UGC Index Journal. *Universal Review*, Vol. 7, Issue X, pp. 174-179 in 2018.
14. Published a Book Chapter entitled *Speed of Convergence Examined by Exchange of Coefficients Involved in Modified-Ishikawa Iterative Scheme* in the book *Future Aspects in Engineering Sciences and Technology*, Vol. 2, Chandigarh University, pp. 440-447 in 2018 with ISMN: 978-93-88459-89-1.
15. Published a Research Paper entitled *Analysis of Jungck-Mann and Jungck-Ishikawa Iteration Schemes for Their Speed of Convergence* in SCOPUS Index Journal *American Institute of Physics*, AIP Publishing, Vol. 2050 in 2018.
16. Two Research Papers are published in the Proceedings of National Conference on Recent Developments in Mathematical Modelling and Fuzziology-II (M2FZY-II) organized by Department of Mathematics, University Institute of Sciences, held on 27th March, 2018 at Chandigarh University, Gharuan, Mohali, India.

MEMBERSHIPS

- Member of Reviewer Panel of Teaching & Education Research Association (TERA), Eurasia Research since January 23, 2020.
- Joined Society for Industrial and Applied Mathematics (SIAM) with Customer ID: 020876921 since 20 Jan, 2020.
- An active Member of INTERNATIONAL ASSOCIATION OF ENGINEERS (IAENG) and member of the following Five Societies since January 6, 2020:
 1. the IAENG Society of Computer Science

2. the IAENG Society of Information System Engineering
3. the IAENG Society of Mechanical Engineering
4. the IAENG Society of Operations Research
5. the IAENG Society of Scientific Computing.

➤ An active Member of *INTERNATIONAL ASSOCIATION OF ENGINEERS (IAENG)* and member of the following *four* Societies since 30 December 2019:

1. the IAENG Society of Computer Science
2. the IAENG Society of Mechanical Engineering
3. the IAENG Society of Operations Research
4. the IAENG Society of Scientific Computing.

➤ An active Member of *INTERNATIONAL ASSOCIATION OF ENGINEERS (IAENG)* with Member Number: 236226 since 28th December, 2019.

➤ A Life-time Member of *Scholarly Association: Teaching & Education Research Association (TERA)*, Eurasia Research refer to Membership ID: TERA-M191103 with Affiliation of Chandigarh University, Gharuan, Mohali, Punjab, India since 07 May, 2019.

➤ An active Member of *INTERNATIONAL ASSOCIATION OF ENGINEERS (IAENG)* with Member Number: 236226 since 16th April 2019.

➤ Member of India's Largest Digital Online Learning Platform - SWAYAM MOOCs (Massive Open Online Courses), a new *Paradigm of Education* since 11 April, 2019.

➤ A Life-time Member of *Teaching & Education Research Association (TERA)* with Unique ID-1059 under the Affiliation of Chandigarh University, Gharuan, Mohali, Punjab, India since 09 April, 2019.

➤ A Member of *INTERNATIONAL ASSOCIATION OF ENGINEERS (IAENG)* with Member Number: 236226 since 25th March, 2019.

COMPUTER PROGRAMING & LANGUAGES

- Programing in C and C++.
- MS Office: Notepad/ MS Word/Excel/Power Point Presentations (PPTs) etc.
- LaTeX and MATLAB.

PERSONAL INFORMATION

Name : Naveen Kumar
Date of Birth : 03 June, 1988
Father's Name : Sh. Ashok Kumar
Mother's Name : Smt. Usha Rani
Marital Status : Single
Language Proficiency : English, Hindi & Punjabi

I hereby declare that all the above mentioned information is true to the best of my knowledge and nothing has been concealed therein.

Date: 02/12/2020

Place: Patiala.

NAVEEN KUMAR