



CURRICULUM-VITAE

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EDUCATIONAL QUALIFICATION

10th from BHOPAL BOARD with 1ST division.

12th from BHOPAL BOARD with 1st division.

B.Sc. (Electronics) from University of Jammu with 1st division.

M.Sc. (Mathematics) from University of Jammu with 1st division.

B.Ed.(Sciences) from University of Jammu with 1st division.

Ph.D. from University of Jammu, (Full Time).

RESEARCH PUBLICATIONS

Area of Specialization: Functional Analysis/Operator Theory

Ph.D. Topic: A Study of generalized multiplication operators and Composition operators on function spaces induced by operator valued maps, under the supervision of Prof. B.S.Komal,

PAPER PUBLISHED/ACCEPTED/ COMMUNICATED

- (1). Sunil Kumar Sharma, Rohit Gandhi, B.S. Komal: Fredholm generalized composition operators on weighted Hardy spaces, *Filomat*, Vol. 32:6(2018)2029-2033.
<https://doi.org/10.2298/FIL1806029S>.
- (2). Sunil Kumar Sharma, Rohit Gandhi, B.S. Komal: Generalized composition operators and evaluation kernel on weighted Hardy spaces" *Differential Geometry, Algebra and Analysis*, Springer proceedings in Mathematics & Statistics 327.
https://doi.org/10.1007/978-981-15-5455-1_21.
- (3). Rohit Gandhi, Sunil Kumar Sharma, B.S.Komal: Spectra of Generalized Composition Operators on Weighted Hardy Spaces, *AIP Conference Proceedings*, Vol.1860, AIP Publishing, No. 1, 2017.
- (4). Rohit Gandhi, Sunil Kumar Sharma, B.S.Komal: Adjoint of generalized Weighted Composition Operators using Evaluation Kernel on Weighted Hardy Spaces, *International Journal of Mathematics Analysis*, Vol. 9, 2015, no. 14, 655-660.
- (5). Sunil Kumar Sharma, B.S. Komal: Generalized multiplication operators on weighted Hardy spaces, *Lobachevskii Journal of Mathematics*, Vol 32 (2011) no.4, 298-303.
- (6). Sunil Kumar Sharma, B.S. Komal: Multiplication operators on weighted Hardy spaces, *Lobachevskii Journal of Mathematics*, Vol 33 (2012) no.2.
- (7) Sunil Kumar Sharma, B.S. Komal : Generalized composition operators on weighted Hardy spaces, *Int. Journal of Math Analysis*, Vol.5 (2011) no.22,1067-1074.
- (8) Sunil Kumar Sharma, B.S. Komal : Normal and Quasinormal operators on weighted Hardy spaces, *Analysis and its Applications ICAA-2011*,155-162.
- (9) Rohit Gandhi, Sunil Kumar Sharma, B.S.Komal: Generalized Composition operators and Evaluation Kernel on Weighted Hardy Space, *Proceeding of ICAA-2016, Algebra, Geometry, Analysis and their Applications*, Narosa Publishing House, New Delhi.
- (10) Sunil Kumar Sharma: Differential and Anti-differential Operators on Weighted Hardy Spaces, *Proceeding of Recent Trends in Algebra and Mechanics*, Indo American Books, Page no. 57-62, 2014.
- (11). Sunil Kumar Sharma, B.S. Komal: Hermitian and Normal composition operators on weighted Hardy spaces, *Int. J. Contemp. Math. Sciences*, Vol.7 (2012) no.4, 179-186.
- (12) Sharma, S. , Komal, B. S. and Sharma, S. K. : Composition convolution operators on $l^2(\mathbb{Z})$, *Int. J. Contemp. Math. Sciences*, Vol.5 (2010) no.12, 579-589.
- (13) Bounded, Hermitian and Normal Differential and Anti Differential Operators on Weighted Hardy Spaces, in proceeding of International Conference on Advances in Mathematics and Applied Sciences (ICAMAS-2025), ISBN-978-81-984914-5-9.
Available online on:- www.anvpublication.org

(14) Sunil Kumar Sharma, B.S. Komal: Generalized Weighted composition operators on weighted Hardy spaces, Ukrainian Journal of Mathematics, (communicated).

ORGANIZED SEMINAR/ CONFERENCE/ WORKSHOP

- (1) **Served as Coordinator(Asst.)** in Two weeks National Online Foundation Course in Mathematics(OFCM-2023)(G3) Organized by Mathematics Training and Talent Search Programme (MTTS) Trust, funded by NBHM, DAE, Govt. of India, from 24th August 2025 to 6th September 2025.
- (2) **Served as Academic Coordinator** in one week National **Workshop on Foundation Course on Mathematics and Research Methodology** organized by Department of Mathematics and IQAC, NSCBM Government College Hamirpur, Distt. Hamirpur, Himachal Pradesh on the occasion of 137th birth anniversary of Genius mathematician Srinivasa Ramanujan sponsored by HIM Science Congress Association and Indian Science Congress Association (ISCA), Shimla Chapter w.e.f. **16th December, 2024 to 21st December, 2024.**
- (3) **Served as Coordinator(Asst.)** in Two weeks National Online Foundation Course in Mathematics(OFCM-2024)(G1) Organized by Mathematics Training and Talent Search Programme(MTTS) Trust, funded by NBHM, DAE, Govt. of India, from 18-31 August, 2024.
- (4) **Served as Coordinator** in National **Seminar on Applications of Mathematics in Teaching and Learning Process** organised by Mathematics Club and Department of Mathematics, Sidharth Government “Utkrisht” College Nadaun, Distt. Hamirpur, Himachal Pradesh in collaboration with Indian Science Congress Association (ISCA), Shimla Chapter on **19th December, 2023.**
- (5) **Served as Coordinator** in one day workshop on Quality Accreditation with NAAC and Institutional Preparedness organised by Internal Quality Assurance Cell (IQAC), Sidharth Government “Utkrisht” College Nadaun, Distt. Hamirpur, Himachal Pradesh on **26th December, 2023.**
- (6) **Served as Local coordinator** in Initiation into Mathematics(InitMath HP-2023) camp organized by Department of Mathematics, Sidharth Government “Utkrisht” College Nadaun, Distt. Hamirpur, Himachal Pradesh under the aegis of Mathematics Training and Talent Search Programme (MTTS) Trust, funded by NBHM, DAE, Govt. of India, from 09/10/2023 to 14/10/2023.
- (7) **Served as Assistant coordinator** in Two weeks National Online Foundation Course in Mathematics(OFCM-2023) Organized by Mathematics Training and Talent Search Programme(MTTS) Trust, funded by NBHM, DAE, Govt. of India, from 20/08/2023 to 02/09/2023.
- (8) **Served as Coordinator** in National **Seminar on Applications of Mathematics in Daily Life** organised by Mathematics Club and Department of Mathematics, Sidharth

Government “Utkrisht” College Nadaun, Distt. Hamirpur, Himachal Pradesh in collaboration with Indian Science Congress Association (ISCA), Shimla Chapter on **21st December, 2022.**

- (9) **Served as Regional Coordinator** in Three weeks National Online Foundation Course in Mathematics(OFCM-2022) Organized by Mathematics Training and Talent Search Programme(MTTS) Trust, funded by NBHM, DAE, Govt. of India, from 16/10/2022 to 06/11/2022.
- (10) **Served as member of screening team(G-5 states Bihar, Odisha, Chhattisgarh, Jharkhand, West Bengal)** in Three weeks National Online Foundation Course in Mathematics(OFCM-2022) Organized by Mathematics Training and Talent Search Programme(MTTS) Trust, funded by NBHM, DAE, Govt. of India, from 16/10/2022 to 06/11/2022.
- (11) **Served as Programme Academic Coordinator** in Online Student Development Programme (OSDP) on Geometric Approach in Real Analysis w.e.f. 06/08/2022 to 22/10/2022 organised by Department of Mathematics, Sidharth Government “Utkrisht” College Nadaun, Distt. Hamirpur, Himachal Pradesh in collaboration with Indian Science Congress Association (ISCA), Shimla Chapter.
- (12) **Served as Programme Academic Coordinator** in “Foundations of Mathematics” on the occasion of Srinivasa Ramanujan 134th birth anniversary & Azadi ka Amrit Mahotsav @75, organized by Sidharth Government Utkrisht College Nadaun and sponsored by The Indian Science Congress Association (ISCA) Shimla Chapter from December 15-16, 2021.
- (13) **Served as Programme Academic Coordinator** in Four weeks National Online Student Development Programme on “Foundation of Real analysis” w.e.f. August 11,2020 to September 05,2020, organized by Department of Mathematics, NSCBM Govt. College Hamirpur, H.P.
- (14) **Served as Academic Coordinator** in One week Online Student Development Programme on “Foundations Course on Mathematics” w.e.f. January 22 to 28, ,2022, organized by D.A.V. Public Sr. Sec. School Bharoli, Nadaun. H.P.
- (15) **Served as Organizing Secretary** in National Seminar in “**Emerging Challenges of Socio-Economic Changes in the Society-A Rationale**” organized by Sidharth Government Utkrisht College Nadaun and sponsored by The Indian Council of Social Science and Research(ICSSR) from March 25-26, 2022.
- (16) **Served as Organizing Secretary** in the ‘International Conference on Mathematics in Space and Applied Sciences (ICMSAS-2019)’ organized by Department of Mathematics, NSCBM Govt. College Hamirpur, H.P. during November 29-30, 2019.
- (17) **Served as Organizing Secretary** in a ‘State Level Seminar on Applications of Mathematics in Daily Life (SLSAMDL-2018)’ by Department of Mathematics, NSCBM Govt. College Hamirpur, H.P. on December 22nd, 2018.

- (18) Organized a “Seminar on Recent Trends in solid Mechanics & Functional Analysis” by Department of Mathematics, Indus International University, Una ,on December 12th, 2011(Convener) visit Website: www.iiuedu.in.

PAPER PRESENTED IN NATIONAL/INTERNATIONAL CONFERENCES

- (1) **Normal and Quasinormal composition operators on weighted Hardy Spaces** in International conference on Development and Applications of Statistics in Emerging areas of Science & Technology along with XXX annual convention of Indian Society for Probability and Statistics, organized by Dept. of Statistics University of Jammu, Dec. 8 -10, 2010.
- (2). **Generalized weighted composition operators on weighted Hardy spaces** in the National conference on Recent Trends in Algebra and Analysis Sponsored by UGC , organized by D.A.V Jalandhar, Feb. 4-6 2011.
- (3). **Multiplication operators on weighted Hardy spaces** in the 21st Annual Conference of the Jammu Mathematical Society and a National Seminar on Analysis and its Application, organized by Dept. of Mathematics, University of Jammu, Feb. 25-27,2011.
- (4) **Normal and Quasinormal operators on weighted Hardy Spaces** in International conference on Analysis and its Applications (under UGC-DRS programme) organized by Dept. of mathematics AMU Aligarh, Nov. 19-21,2011.
- (5) **Fredholm generalized composition operators on weighted Hardy spaces** in National conference on Emerging Trends in Mathematics & its Applications Sponsored by UGC, organized by D.A.V Jalandhar, Feb. 4-6 2012.
- (6) **Fredholm operators on weighted Hardy spaces** in International Conference on differential Geometry, Functional Analysis and Applications (Under UGC-DRS Programme) organized by Jamia Milia Islamia, New Delhi, September 8-10,2012.
- (7) **Normal and Hermitian Generalized Multiplication Operators on Weighted Hardy Spaces**, in National Conference on Algebra, Analysis& Applications, organized by School of Mathematics, Shri Mata Vaishno Devi University Karta, March15-16,2013.
- (8) **Normal and Hermitian Operators on Weighted Hardy Spaces**, in TEQIP sponsored Workshop organized by UIET on Mathematical Modeling and Computational Techniques during Sep.27-28,2013.
- (9) **Operators on weighted hardy Spaces**, in International conference in Algebra & Allied Fields (Supported by UGC under SAP) Organized by H.P.U. Shimla, March 26-27,2014.
- (10) **Importance of series to the society**, ‘State Level Seminar on Applications of Mathematics in Daily Life(SLSAMD-2018)’ by Department of Mathematics, NSCBM Govt. College Hamirpur, H.P. on Decer 22, 2018.
- (11) **Generalized weighted composition operators on weighted Hardy space**, in the ‘International Conference on Mathematics in space and Applied Sciences (ICMSAS-2019)’

organized by Department of Mathematics, NSCBM Govt. College Hamirpur, H.P. during November 29-30, 2019.

(12) **Generalized weighted composition operators on weighted Hardy spaces**, in Online “International Conference on Integrated Interdisciplinary Innovations in Engineering” Organized under twinning arrangement by” University Institute of Engineering and Technology, Punjab University, Chandigarh and Government College of Engineering and Technology, Jammu, from August 28-30, 2020.

(13) Freedom Fighters of Himachal Pradesh, in National Seminar on “Bhartiya Freedom Movements: Narratives, Memories and Unsung-Heros” organized by Thakur Jagdev Chand Smriti Shodh Sansthan Neri, Hamirpur H.P. and Bhartiya Itihaas Anushandhan Parishad (ICHR) New Delhi, from December 04-05, 2021.

(14) Human Values in the Era of Science & Technology, in National Seminar on “Human Values in the Diverse Culture”, organized by IQAC, Sidharth Government Utkrisht College Nadaun on 11th December, 2021.

(15) Presented Paper entitled “**Applications of Functions in Real Life**” in National Seminar on Applications of Mathematics in Daily Life organised by Mathematics Club and Department of Mathematics, Sidharth Government “Utkrisht” College Nadaun, Distt. Hamirpur, Himachal Pradesh in collaboration with Indian Science Congress Association (ISCA), Shimla Chapter on **December 21, 2022**.

(16) Presented Paper entitled “**Uses and Applications of Functions in Real Life**” in State Level Multidisciplinary Seminar on Importance of Mathematics (SLMDSIM-2022) on National Mathematics Day organized by Department of Mathematics & Internal Quality Assurance Cell (IQAC) Netaji Subhash Chander Bose Memorial Govt. College, Hamirpur, Himachal Pradesh on **December 22, 2022**.

(17) Presented paper entitled “Applications of Archimedean Property in **R**” in **National Seminar on Applications of Mathematics in Teaching and Learning Process** organised by Mathematics Club and Department of Mathematics, Sidharth Government “Utkrisht” College Nadaun, Distt. Hamirpur, Himachal Pradesh in collaboration with Indian Science Congress Association (ISCA), Shimla Chapter on **19th December, 2023**.

(18) Presented paper entitled “Bounded and Compact Generalized Weighted Composition Operators on Weighted Hardy Spaces” in International Conference on “Advances in Mathematical Sciences, Scientific Computing and its Applications” organised by Department of Mathematics, College of Excellence, Govt. College Sanjouli, Shimla-6 on 22-23 March, 2024.

ATTENDED TRAINING/COURSE

(1) Attended Induction Training programme held in State Council Of Education Research & Training (SCERT), Solan, Himachal Pradesh, w.e.f. 01-08-2014 to 12-08-2014.

- (2) Attended the Training Programme on “**Information and communication Technology**” organized by H.P.Institute of Public Administration Fairlawns, Shimla-171012 w.e.f. 31/07/2017 to 04/ 08/2017.
- (3) Participated in 41st Orientation Programme at UGC-Human Resource Development Centre, Punjabi University Patiala w.e.f. 03/10/2019 to 23/10/2019.
- (4) Participated in **Pedagogical Training for Mathematics Teachers (PTMT) on Real Analysis** organized under the aegis of MTTS Trust funded by NBHM, at SGTB Khalsa College, Sri Anandpur Sahib, Punjab, w.e.f 23-12-2019 to 03-01-2020.
- (5) Participated in “Refresher Course in Mathematical Sciences” organized by UGC Human Resource Development Centre, University of Jammu, from 04/01/2021 to 17/01/2021 with Grade “A”.
- (6) Participated in “Refresher Course in Mathematics” Department of Mathematics, Ramanujan College, University of Delhi, under the aegis of Ministry of Education, PMMM National Mission on Teachers and Teaching from 31 August - 14 September 2021, with grade “A”.
- (7) Participated in One Week National “Faculty Development Programme” on “ Online Teaching-Learning Practices: Challenges & Solutions”, organized by Department of Mathematics and Department of Computer science, Sri Guru Teg Bahadur Khalsa College, Anandpur Sahib, Punjab from July 7-13, 2020.
- (8) Participated in One Week National “Faculty Development Programme” on “ Entrepreneurship, Incubation and Innovation” organized by Teaching Learning Centre, Ramanujan College, University of Delhi, Sponsored by Ministry of HRD, PMMM National Mission on Teachers and Teaching from 23 June - 29 June, 2020.
- (9) Participated in One Week “International Faculty Development Programme” on “ Avant-grade Trends in Mathematics” organized by Department of mathematics, Bannari Amman Institute of Technology from 17 June to 23 June, 2020.
- (10) Attended training on Assessment conducted by MTTS Trust January 06-08, 2022.
- (11) Participated in Workshop on NAAC Reaccreditation- Process & Procedure, Organized by Internal Quality Assurance Cell (IQAC), Sidharth Govt. College Nadaun, Distt. Hamirpur, H.P., 177033.
- (12) Participated in **Pedagogical Training for Mathematics Teachers(PTMT-2023) on Functional Analysis** organized under the aegis of MTTS Trust funded by NBHM held at SGTB Khalsa College, Sri Anandpur Sahib, Punjab from 03-04-2023 to 08-04-2023.
- (13) Attended one day workshop on NAAC Accreditation-Paradigms& Concerns organized by Internal Quality Assurance Cell (IQAC) , Sidharth Govt. College Nadaun, Distt. Hamirpur, H.P., 177033 on 20th May, 2023.
- (14) Participated in Two weeks online “**Refresher Course on Information and Communication Technology**” organized by Malaviya Mission Teacher Training Centre (UGC-MMTTC), Bhagat Phool Singh Mahila Vishwavidyalaya, Sonapat, Haryana w.e.f.20 August 2024 to 2 September 2024 with Grade A+.

RESOURCE PERSON/ INVITED TALK/EVALUATOR

1. **Resource Person** in One week National Online Student Development Programme on “Foundation Course in Mathematics” w.e.f. July 15-22,2020 organized by Department of Mathematics, Govt. College Una, H.P.
2. **Resource Person** in Two weeks National Online Student Development Programme on “Linear Algebra & its Applications” w.e.f. October 26,2020 to November 07,2020, organized by Department of Mathematics, Sri Guru Teg Bahadur Khalsa College, Anandpur Sahib, Punjab, Sponsored By DBT Star College Scheme, GoI.
3. **Resource Person** in Four weeks National Online Student Development Programme on “Foundation of Real analysis” w.e.f. August 11,2020 to September 05,2020, organized by Department of Mathematics, NSCBM Govt. College Hamirpur, H.P.
4. **Resource Person** in Two weeks National Online Student Development Programme on “ Foundations of Mathematics” w.e.f. July 26,2021 to August 07,2021, organized by Department of Mathematics, Govt. Degree College, Sugh Bhatoli, Dist. Kangra, H.P.
5. **Resource Person** in “Foundations of Mathematics” on the occasion of Srinivasa Ramanujan 134th birth anniversary & Azadi ka Amrit Mahotsav @75, organized by Sidharth Government Utkrisht College Nadaun and sponsored by The Indian Science Congress Association (ISCA) Shimla Chapter from December 15-16, 2021.
6. **Resource Person** in One week Online Student Development Programme on “Foundations Course on Mathematics” w.e.f. January 22 to 28, ,2022, organized by D.A.V. Public Sr. Sec. School Bharoli, Nadaun. H.P.
7. **Resource Person** in One week State Level Online Student Development Programme on “ Foundation Course on Matrices and Linear Algebra(FCMLA-2022)” w.e.f. January 18 – 23, 2022, organized by Department of Mathematics, Govt. College Dharamshala,(H.P.) in collaboration with Department of Mathematics, Govt. College Kullu, H.P.
8. **Evaluator of Poster Presentation** of Mathematical sciences in Punjab Science Congress 2022, organized by Sri Guru Teg Bahadur Khalsa College, Anandpur Sahib, Punjab, from 7th to 9th Feburary, 2022.
9. **Resource Person** in Online Student Development Programme (OSDP) on Geometric Approach in Real Analysis w.e.f. 06/08/2022 to 22/10/2022 organised by Department of Mathematics, Sidharth Government “Utkrisht” College Nadaun, Distt. Hamirpur, Himachal Pradesh in collaboration with Indian Science Congress Association (ISCA), Shimla Chapter.
10. **Resource Person** in National Conference in Collaboration with Science Club on National Mathematical Week-2022(Remembering Sir Srinivasa Ramanujan & his contributions on Mathematics, organized by Department of Mathematics , Government College for Women Parade Ground, Jammu(An Autonomous College)in Hybrid Mode w.e.f. 19th December-2022 to 23rd December, 2022.

- 11. Resource Person** in SDP on Group Theory & Linear Algebra: A geometric Approach , organized by Department of Mathematics, Sri Guru Teg Bahadur Khalsa College, Anandpur Sahib, Punjab, from January 23-25, 2023.
- 12. Invited talk** delivered on “**Bessel’s Equation and its properties**” in “**Workshop on Advancements in Engineering Mathematics**” organized by Department of Applied Sciences, ABVGIET, Pragati Nagar, Shimla, sponsored by Indian Science Congress Association, Shimla Chapter on July 8, 2022.
- 13. Invited Talk** on Spectra of generalized weighted composition operators on weighted Hardy space, in the National Conference organized by Department of Mathematics, G.G.M.Science college on 13-14th December 2018.
- 14. Oral Presentation** on the topic “**OSDP Teaching Methodology**” in the section of **Science Communicator’s Meet** held on 3rd Janaury, 2023 to 7th Janaury, 2023 during the **108th Indian Science Congress** held at Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, Maharashtra.
- 15. Oral presentation** on the topic Spectra Of Generalized Composition Operators On Weighted Hardy Space in the **2nd International Conference on Mathematics in Space and Applied Sciences (ICMSAS-2023)** organized by Department of Mathematics Netaji Subhash Chander Bose Memorial Govt. College, Hamirpur, Himachal Pradesh, sponsored by DRDO,ISRO,DST&NBHM w.e.f. March 03-04,2023.
- 16. Invited Talk** on the topic “**Introduction to Mathematical Analysis**” in International Conference on “ Recent Trends in Mathematical Sciences, Artificial Intelligence and Machine Learning(ICRMAM-2023)”to be held at SGTB Khalsa College Anandpur Sahib,Punjab during 14-15 March, 2023.
- 17. Keynote Speaker** in One Day National Webinar on “**Solving system of linear equations**” organized by Department of Mathematics, GCW Parade Jammu on 26th September, 2023.
- 18. Resource Person** in Initiation into Mathematics(InitMath HP-2023) camp organized by Department of Mathematics, Sidharth Government “Utkrisht” College Nadaun, Distt. Hamirpur, Himachal Pradesh under the aegis of Mathematics Training and Talent Search Programme (MTTS) Trust, funded by NBHM, DAE, Govt. of India, from 09/10/2023 to 14/10/2023.
- 19. Delivered a lecture** under Rashtriya Aavishkar Abhiyan (RAA) at Govt. Boys Senior Secondary School Nadaun on 06-12-2023.
- 20. Invited Talk** on the topic “Ganit main Bharat ka Yogdaan” during celebration of National Mathematics week 21-12-2023 to 29-12-2023 organized by College of basic Sciences CSK Himachal Pradesh Krishi Vishvavidyalaya Palampur, H.P. 176062, on 21st December, 2023.

21. **Resource Person** in Three days Student Development Programme(SDP) on “Foundation Course in Mathematics” , organized by Department of Mathematics,S.V.S.D.P.G. College Bhatoli, Dist. Una, H.P. in collaboration with Indian Science Congress Association, Shimla Chapter w.e.f. 15-02-2024 to 17-02-2024.
22. **Session chair** at the 4th International Conference on Non-linear Applied Analysis and Optimization (ICNAAO 2024) held during 17th to 19th October, 2024 organized by Department of Mathematics and Scientific Computing, NIT Hamirpur.
23. Delivered a **Guest lecture** on “**The applications of Mathematics in real life context** in one week NSS special **camp** organized by Sidharth Government College Nadaun, Distt. Hamirpur, Himachal Pradesh on December 12th, 2024.
24. **Resource Person** in one week **National Workshop on Foundation Course on Mathematics and Research Methodology** organized by Department of Mathematics and IQAC, NSCBM Government College Hamirpur, Distt. Hamirpur, Himachal Pradesh on the occasion of 137th birth anniversary of Genius mathematician Srinivasa Ramanujan sponsored by HIM Science Congress Association and Indian Science Congress Association (ISCA), Shimla Chapter w.e.f. **16th December, 2024 to 21st December, 2024.**
25. **Resource Person** in the National conference on Pure and Discrete Mathematics: Exploring the Technological Era’s Applications in Science and Engineering (PDMTSE-2K25) held on 28th February, 2025 organized by Department of Mathematics, St’ John’s College Palayamkottai, TamilNadu in collaboration with Vishnu Memorial Trust (Reg. No. 208/2006), Tirinelvei.
26. **Resource Person** for Linear Algebra in Initiation into Mathematics(InitMath HP-2025) camp organized by Department of Mathematics, NIT Hamirpur, Distt. Hamirpur, Himachal Pradesh under the aegis of Mathematics Training and Talent Search Programme (MTTS) Trust, funded by NBHM, DAE, Govt. of India, from 15/09/2025 to 20/09/2025.
27. Delivered two extension lectures on the topic” Solving System of Linear Equations and their Geometric Interpretation” for Undergraduate students of Department of Mathematics, Sri Guru Teg Bahadur Khalsa College, Anandpur Sahib, Punjab, Sponsored By DBT Star College Scheme, GoI on 24-09-2025.

MENTOR IN PROGRAMME ORGANIZED BY MTTS TRUST
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1. **Served as Mentor** in Three weeks National Online Foundation Course in Mathematics(OFCM-2020) Organized by Mathematics Training and Talent Search Programme(MTTS) Trust, funded by NBHM, DAE, Govt. of India, from 04-24 October,2020.
2. **Served as Mentor** in Three weeks National Online Foundation Course in Mathematics(OFCM-2020) Organized by Mathematics Training and Talent Search

Programme (MTTS) Trust, funded by NBHM, DAE, Govt. of India, from 11/06/2021 to 05/07/2021.

3. **Served as Mentor** in Three weeks National Online Foundation Course in Mathematics(OFCM-2021) Organized by Mathematics Training and Talent Search Programme (MTTS) Trust, funded by NBHM, DAE, Govt. of India ,from 19/09/2021 to 11/10/2021.
4. **Served as Mentor** in Two weeks National Online Follow up Course on Real Analysis (Camp-I) Organized by Mathematics Training and Talent Search Programme (MTTS) Trust, funded by NBHM, DAE, Govt. of India ,from 09/01/2022 to 22/01/2022.
5. **Served as Mentor** in Two weeks National Online Follow up Course on Linear Algebra(Camp-I) Organized by Mathematics Training and Talent Search Programme (MTTS) Trust, funded by NBHM, DAE, Govt. of India ,from 31/01/2022 to 14/02/2022.
6. **Served as Mentor** in Two weeks National Online programme on “Initiation to Mathematics (InitMath) Organized by Mathematics Training and Talent Search Programme (MTTS) Trust in collaboration with “Bihar Mathematical Society” funded by NBHM, DAE, Govt. of India, from 05/03/2022 to 20/03/2022.
7. **Served as Mentor** in an onsite camp at Indian Institute of Technology (IIT) Ropar Organized by Mathematics Training and Talent Search Programme (MTTS) Trust, funded by NBHM, DAE, Govt. of India ,from 23/05/2022 to 04/06/2022.
8. **Served as Member of Screening Team (G5 States: Bihar, Chhattisgarh, Jharkhand, Odisha, West Bengal)** in Three weeks National Online Foundation Course in Mathematics(OFCM-2022) Organized by Mathematics Training and Talent Search Programme(MTTS) Trust, funded by NBHM, DAE, Govt. of India, from 16/10/2022 to 06/11/2022.
9. Chairperson in Technical Session during **National Seminar on Applications of Mathematics in Daily Life** organised by Mathematics Club and Department of Mathematics, Sidharth Government “Utkrisht” College Nadaun, Distt. Hamirpur, Himachal Pradesh in collaboration with Indian Science Congress Association (ISCA), Shimla Chapter **on 21st December, 2022.**
10. Chairperson in Technical Session during **2nd International Conference on Mathematics in Space and Applied Sciences (ICMSAS-2023)** organized by Department of Mathematics Netaji Subhash Chander Bose Memorial Govt. College, Hamirpur, Himachal Pradesh, sponsored by DRDO,ISRO,DST&NBHM w.e.f. March 03-04,2023.
11. **Served as Mentor** in one week National Programme on “Initiation to Mathematics (InitMath) Organized by Department of Mathematics, Akal University Talwandi Sabo,Punjab in collaboration with Mathematics Training and Talent Search Programme (MTTS) Trust funded by NBHM, DAE, Govt. of India, from 19/03/2024 to 24/03/2024.

BOOKS PUBLISHED (Author/Co-Author)

- (1). Sunil Kumar Sharma and Bhajan Singh Komal : **“Operators on Weighted Hardy Spaces”** ,Lambert Academic Publishing ,Germany, ISBN 978-3-8473-3369-2,pages 100.
- (2) **“Differential Equations”** , Text Book,5th Edition, Concise Course, Krishna Brothers Publication, ISBN 978-93-85531-90-3.
- (3) **“ Vector Calculus”** , Text Book,5th Edition Concise Course, Krishna Brothers Publication, ISBN 978-93-85531-35-4.
- (4) **“Real Analysis”** , Text Book,5th Edition Concise Course, Krishna Brothers Publication, ISBN 978-93-82913-38-2.
- (5) **“Algebra”**, Text Book,4th Edition Concise Course, Krishna Brothers Publication, ISBN 978-93-85531-97-2.
- (6) **“ Differential Calculus”** , Text Book,5th Edition, Concise Course, Krishna Brothers Publication, ISBN 978-93-85531-73-6.
- (7) **“ Numerical Methods”** , Concise Course, Krishna Brothers Publication, ISBN 978-93-85531-07-1.
- (8) **“LINEAR ALGEBRA”** , Text Book, Concise Course, Krishna Brothers Publication, ISBN ISBN 978-93-85531
- (9) **“COMPLEX ANALYSIS”** , Text Book, Concise Course, Krishna Brothers Publication, ISBN 978-93-85531-77-4.

RESEARCH EXPERIENCE

- (1)One M.Phil. Dissertation Awarded on Topic **“A Study of Operators on Weighted Hardy Spaces”** under the supervision of **“Sunil Kumar Sharma”** ,from Lovely Faculty of Technology and Sciences, Punjab, July 2011.
- (2)One candidate Awarded Ph.D. on Topic **“A Study of Generalized Weighted Composition Operators on weighted Hardy Spaces**, Under my Supervision, from Lovely Faculty of Technology and Sciences, Punjab, July 2018.
- (3)Guided six P.G. students for Research Project

ATTENDED NATIONAL AND INTERNATIONAL CONFERENCES

- (1). Attended the 16th Annual Conference of Jammu Mathematical Society from (March 1 - 3, 2006) organized by Dept. Of Mathematics, University of Jammu.
- (2). Attended International Congress and 8th conference of Indian society of industrial & applied mathematics on certain emerging areas in applicable mathematics and 17th annual conference of Jammu mathematical society from (31st march – 3rd April, 2007), organized by Dept. of mathematics, university of Jammu.

- (3). Attended international conference on operator theory and related areas from (January 9-12, 2008) organized by dept. of mathematics, university of Delhi.
- (4). Attended the 18th Annual Conference of Jammu Mathematical Society from (Feb. 29 - Mar.2, 2008) organized by Dept. of Mathematics, University of Jammu.
- (5). Attended International conference on Functional Analysis and its application (FAA-2007) from November 28th - December 1st, 2007 organized by Dept.of Mathematics (Scott Christian College, Autonomous) Nagercoil, Tamil Nadu.
- (6). Attended International Conference on Recent Trends in Mathematics and its application from March 30th - March 1st, 2009 organized by Dep't. Of Mathematics, Jamia Millia Islamia, New Delhi-110 025.
- (7). Attended the 19th Annual Conference of Jammu Mathematical Society from (February 27th – 28th March, 2009) organized by Dept. Of Mathematics, University of Jammu.
- (8). Attended the 20th annual conference of J.M.S. and a National Seminar on “Topological Algebraic Analysis” sponsored by N.B.H.M. (D.A.E., Govt. of India), Department of mathematics, university of Jammu, Jammu. (February 26-28, 2010).
- (9). Attended International conference on Development and Applications of Statistics in Emerging areas of Science & Technology along with XXX annual convention of Indian Society for Probability and Statistics, organized by Dept. of Statistics University of Jammu, Dec. 8 -10, 2010.
- (10). Attended National conference on Recent Trends in Algebra and Analysis Sponsored by UGC, organized by D.A.V Jalandhar, Feb. 4-6 2011.
- (11). Attended the 21st Annual Conference of the Jammu Mathematical Society and a National Seminar on Analysis and its Application, organized by Dept. of Mathematics, University of Jammu, Feb. 25-27,2011.
- (12). Attended International conference on Analysis and its Applications (under UGC-DRS programme) organized by Dept. of mathematics AMU Aligarh, Nov. 19-21, 2011.
- (13). Attended National conference on Emerging Trends in Mathematics & its Applications Sponsored by UGC, organized by D.A.V. Jalandhar, Feb. 4-6 2012.
- (14) Attended “Green House Management” Training at International Horticulture Innovation and Training Centre (In Participation wity Rajhans, PTC, The Netherlandsand DCM shriram consolidated ltd. New Delhi) Jaipur Rajasthan, from 11-06-2012 to 15-06-2012.
- (15) Two-day National Conference on “Higher Education: Issues and Challenges” organized by Himachal Govt. College Teachers Association (HGCTA) on 18-19 Sep. 2015.
- (16) Participated in “International Webinar” on Intelligent Optimization Techniques and their Real Life Applications, organized by Department of Mathematics, Punjabi University Patiala, India in collaboration with Mizan-Tepi University Ethiopia, University of

Wolverhampton, U.K. and MathTech Thinking Foundation India, from February, 25-27, 2022.

Review Article

1. Review Manuscript for Asian European Journal of Mathematics.
2. Review Manuscript for Asian Journal of Pure and Applied Mathematics.
3. Review Manuscripts for National Conference on Advances in Applied Sciences & Mathematics NCASM-2020, September 25-26, 2020, organized by Department of Applied Sciences, CUIET, Chitkara University, Punjab.
4. Review Manuscript for International Conference on Integrated Interdisciplinary Innovations in Engineering(ICIIIE-2020) (August 28-30, 2020) Organized under twinning arrangement by University Institute of Engineering and Technology, Punjab University, Chandigarh and Government College of Engineering and Technology, Jammu.
5. Member of Editorial Board for conference proceeding International conference on Mathematics in Space and Applied Sciences(ICMSAS 2019) ISBN 978-81-942641-8-7, Nov, 29-30, 2019 at NSCBM Govt. College Hamirpur, H.P.
6. Member of Editorial Board for Recent issues on Mathematical Sciences, published by Indian Institute of Teacher Education- Gandhinagar, Gujarat, ISBN 978-81-957420-4-2, September 2024.
7. Member of Editorial Board for conference proceeding International Conference on Advances in Mathematics and Applied Sciences(ICAMAS-2025),ISBN-978-81-984914-5-9., Mar, 28-29, 2025 at NSCBM Govt. College Hamirpur, H.P.

Member in various Committees

1. Life member of Indian Science Congress association (ISCA) membership number L42451.
2. Assistant Coordinator in IGNOU Centre, Govt. College Nadaun, H.P.
3. Member of All India Survey on Higher Education(AISHE).
4. Member Secretary of NAAC, Govt. College Hamirpur,H.P.
5. Member of IQAC, Govt. College Hamirpur,H.P.
6. Member of Admission Committee, Govt. College Hamirpur,H.P.
7. Member of B.O.S. SGTB Khalsa College Anandpur Sahib, Punjab.

Paper Setter , Evaluator and Examination Duty

1. Paper setter for U.G. & P.G. Classes of Himachal Pradesh Technical University(HPTU) Hamirpur, Himachal Pradesh.

2. Paper setter for U.G. & P.G. Classes of Kanya MahaVidyalaya (K.M.V.) Jalandhar.
3. Paper setter for U.G. Classes of Sri Guru Teg Bahadur Khalsa College Anandpur Sahib, Punjab.
4. Paper setter and Evaluator of UG Classes of CSK University, Palampur, H.P.
5. Paper setter for P.G. Classes of Sardar Patel University, Mandi, H.P.
6. Paper Setter of U.G. Classes of Himachal Pradesh University, Shimla.
7. Evaluator of U.G. & P.G. classes answer scripts of Kanya MahaVidyalaya (K.M.V.) Jalandhar.
8. Evaluator of U.G. & P.G. Classes answer scripts of Himachal Pradesh Technical University (HPTU) Hamirpur, Himachal Pradesh.
9. Evaluator of U.G. Classes answer scripts of Himachal Pradesh University, Shimla.

Other Achievements

Passed Departmental Examination under Roll No. 41711229 in March 29, 2018 conducted by H.P.Institute of Public Administration Fairlawns, Shimla-171012(HIPA).

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