

RESUME



PROFESSOR AVANISH KUMAR

Professor in Mathematics

Department of Mathematical Sciences
and Computer Applications
Bundelkhand University
Jhansi-284128 UP (INDIA)

Former Chairman

Commission for Scientific and
Technical Terminology
Ministry of Education
Government of India
New Delhi-110066

Former Director

Central Hindi Directorate
Ministry of Education
Government of India
New Delhi-110066

Name : **Professor Avanish Kumar**

Father's name : Late Shri I. C. Sharma

Mother's Name : Smt. Omwati Sharma

Date of Birth : May 07, 1969

Category : General

Nationality : Indian

Present Position : **Professor in Mathematics**
Department of Mathematical Sciences
and Computer Applications
Bundelkhand University

Postal Address : Kanpur Road, Jhansi-284128 (UP) INDIA

Phone Number : (O) 0510-2320496
(M) 0993552 0565;09451547480

Tele Fax : (O) 0510-2320497

E-mail : dravanishkumar@yahoo.com
dravanishkumar@gmail.com

Residence Address : Bhardwaj Villa, B-5
Ajay Enclave, Mahakali Vidyapeetha Road
Jhansi-284002, UP (INDIA)

Permanent Address : Mohalla Lal Bara,
Manglour Town, District Hardwar, 247656
Uttarakhand (INDIA)

Educational Qualifications:

- **Ph. D.:**

- Obtained Ph. D. degree in Mathematics from G. K. University, Hardwar in 1999.

- Topic of the Thesis:

A Study of Some Optimization Techniques and their Applications to Computer Communication Networks

- **M. Phil.:**

- Obtained M. Phil degree in Mathematics from University of Roorkee (Presently IIT Roorkee), Roorkee in 1992 with first Division.

- Awarded University of Roorkee, '**UNIVERSITY MEDAL**' for standing First in First Class

- Topic of the Dissertation:

Numerical Solution of the Flow between two Infinite Rotating Discs with Suction and Injection

- **M. Sc.:**

- Obtained M. Sc. degree in Mathematics from Meerut University (Presently CCS University), Meerut in 1989 with First Division.

Experiences:

• Professor (Mathematics):

w. e. f. November 26, 2014 to February 05, 2017 and again rejoined w.e.f. February 06, 2021 (after completing deputation period in Ministry of Education, New Delhi) at Department of Mathematical Sciences and Computer Applications, Bundelkhand University Jhansi-2845128, UP (INDIA)

Pay Scale:

Rs. 1,44,200-2,18,200/- (Level-14)

Present Basic Pay:

Rs 1,82,100/-

Level-14, Cell 8

Due Date for next increment:

July 01, 23

Other Allowances:

As admissible to Bundelkhand University / UP Govt. Employee

Nature of Duties:

Engaged in the teaching of the Post Graduate courses of the department and other related departmental work. Beside this also engaged in the research and development work.

Members of the Board of Studies:

Member of Board of Faculty, Department of Hindi, RTM Nagpur University, Nagpur, since 2018-2023.

Member of Board of Faculty, Department of Mathematics, RTM Nagpur University, Nagpur, since 2023.

Member of Board of Studies, Department of Mathematical Sciences and Computer Applications, Bundelkhand University (1999-2003, 2003-2006, 2006-2009, 2011-2013)

Member of Board of Studies Faculty of Science, Bundelkhand University (2003-2006, 2007-2010)

Member of Academic Council, Bundelkhand University (2003-2006, 2011-2014)

Member of University Court, Bundelkhand University (2007-2010)

• Chief of the University Employment, Information and Counseling Centre, Jhansi w. e. f 24-03-2022.

Nature of Duties:

To act as an administrative head and work for the development of the Centre and provide the facilities to the students.

• Chairman

w. e. f. February 06, 2017 to February 05, 2021 at Commission for Scientific and Technical Terminology, Department of Higher Education, Ministry of Education, Government of India, New Delhi.

Pay Scale:

Rs. 1,44,200-2,18,200/- (Level-14)

Basic Pay:

Rs 1,67,200/- + Rs 9,000/- = Rs 1,76,200/-

Level-14, Cell 6, & Deputation Allowance

Nature of Duties:

Engaged in the academic and administrative work.

- **Director**
 - w. e. f. July 07, 2017 to April 08, 2020 at Central Hindi Directorate, Department of Higher Education, Ministry of Human Resource Development, Government of India, New Delhi. [Additional Charge]
 - Nature of Duties:**
 - Engaged in the academic and administrative work.
- **Professor (Mathematics):**
 - w. e. f. November 26, 2014 to February 05, 2017 at Department of Mathematical Sciences and Computer Applications, Bundelkhand University Jhansi-2845128, UP (INDIA)
 - Pay Scale:**
 - Rs. 37,400-67,000/-
 - AGP Rs.10,000/-
 - Present Basic Pay:**
 - Rs 54,880/- (01-07-2016)
 - Nature of Duties:**
 - Engaged in the teaching of the Post Graduate courses of the department and other related departmental work. Beside this also engaged in the research and development work.
- **Associate Professor (Mathematics):**
 - w. e. f. November 26, 2011 to November 25, 2014 at Department of Mathematical Sciences and Computer Applications, Bundelkhand University Jhansi-2845128, UP (INDIA)
 - Pay Scale:**
 - Rs. 37,400-67,000/-
 - AGP Rs. 9000/-
- **Reader (Mathematics):**
 - w. e. f. November 26, 2008 to November 25, 2011 at Department of Mathematical Sciences and Computer Applications, Bundelkhand University Jhansi-2845128, UP (INDIA)
 - Pay Scale:**
 - Rs. 15,600-39,100/-
 - AGP Rs. 8000/-
- **Chief** of the University Employment, Information and Counseling Centre, Jhansi during 10.06.2009 to 05.02.2017.
 - Nature of Duties:**
 - To act as an administrative head and work for the development of the Centre and provide the facilities to the students.
- Worked as the **Head** of the Department of Mathematical Sciences and Computer Applications, Bundelkhand University Jhansi-2845128, UP (INDIA) w. e. f. Dec. 20, 2010 to Dec.19, 2013.
 - Nature of Duties:**
 - To act as an administrative head and work for the development of the department. The department has four courses viz. M. Sc. (Mathematics), and M. Phil. (Mathematics) along with the Ph. D. degree.

- Worked as the **Head** of the Institute of Computer Science and Information Technology, Bundelkhand University Jhansi-2845128, UP (INDIA) w. e. f. Dec. 20, 2010 to Dec.19, 2013
 - ☐ **Nature of Duties:**
 - ☐ To act as an administrative head and work for the development of the institute. The institute has the six courses viz. MCA, BCA, and B. Sc. (M/S/C).
- **Senior Lecturer (Mathematics):**
 - ☐ w. e. f. November 26, 2003 to November 25, 2008 at Department of Mathematical Sciences and Computer Applications, Bundelkhand University Jhansi-2845128, UP (INDIA)
 - ☐ **Pay Scale:**
 - ☐ Rs. 15,600-39,100/-
 - ☐ AGP Rs. 7000/-
 - ☐ **Nature of Duties:**
 - ☐ Engaged in the teaching of the Post Graduate courses of the department and other related departmental work. Beside this also engaged in the research and development work.
- **Lecturer (Mathematics):**
 - ☐ w. e. f. November 26,1999 to November 25, 2003 at Department of Mathematical Sciences and Computer Applications, Bundelkhand University Jhansi-2845128, UP (INDIA)
 - ☐ **Pay Scale:**
 - ☐ Rs. 8000-275-13,500/-
 - ☐ **Nature of Duties:**
 - ☐ Engaged in the teaching of the Post Graduate courses of the department and other related departmental work. Beside this also engaged in the research and development work.
 - ☐ **Award:**
 - ☐ Awarded Bundelkhand University Jhansi, Prof. R. C. Mehrotra Best Teacher Award and Gold Medal for Outstanding contribution to the university services during the year 1999-2000.
- **Assistant Scientific Officer (Mathematics):**
 - ☐ W. e. f. November 20,1995 to November 25,1999 i.e. 4 years and 05 days at Commission for Scientific and Technical Terminology, Ministry of Human Resource Development, Government of India, West Block – VII, R.K. Puram, New Delhi-110 066 (INDIA)
 - ☐ **Pay Scale:**
 - ☐ Rs. 6500-200-10,500/-
 - ☐ **Nature of Duties:**
 - ☐ Prepared Technical Terminology, Definitional Dictionary in Mathematics and Computer Science and related work, such as, Organizing Workshops, Meetings, and Seminars etc. Beside this was engaged in the preparation of computer-based data bank i.e. 'National Terminology Bank' for evolved terminology.
- **P. G. T. (Mathematics):**
 - ☐ W. e. f. January 12, 1989 to November 19,1995 i.e. 6 years 10, months and 07 days at SDA Inter College, Roorklee-247667 (INDIA)
 - ☐ **Nature of Duties:**
 - ☐ Taught Mathematics to the 11th and 12th standard students

Awards:

1. The International Academy of Physical Sciences (IAPS) has conferred its Associate Fellowship Award (AFIAPS) during 2021-22.
2. Contribution in the field of Higher Education and Specially for the Implementation of National Education Policy 2020, the **Bundelkhand University, Jhansi and Uttar Pradesh Government** awarded “**Teachers Day Award**”, on September 05, 2021.
3. The VIJÑĀNA PARISHAD of INDIA (VPI), Society of Applications of Mathematics has conferred its **Fellowship Award (FVPI)** on the occasion of 22nd Annual Convention held at BITS, Pilani on December 29, 2019.
4. The Nagri Lipi Parishad (Reg.) awarded **Vinoba Nagri Award** to Central Hindi Directorate for the active and special contribution to the propagation and updating the Nagri Lipi (Devnagri Lipi) during its annual convention in October 2019.
5. Manumukat ‘Manava’ Memorial Trust, Narnaul (Haryana) awarded “**Dr Manumukat ‘Manava’ Shikher-Samman**”, for the special contribution towards Hindi Language, Devanagari Lipi, Technology Terminology on 24 March 2019.
6. National Education and Human Resource Development Organization, Dadar (East) Mumbai, awarded “**Rashtriya Hindi Seva Samman**” for excellence in their respective field on the occasion of 30th National Seminar on “National Economic Growth through Individual Contribution on 27 Feb 2019 at Mumbai.
7. News Mission News (missionnewstv.com) awarded third edition (Delhi) **Super Achiever Award 2018** for excellence in Education Sector for 2017-2018.
8. Nagri Lipi Parishad, New Delhi, awarded, “**Nagri Samman**” for the excellent contribution on 02 Nov 2017.
9. National Education and Human Resource Development Organization, Dadar (East) Mumbai, awarded “**National Education Excellence Award**” for excellence in their respective field on the occasion of 29th National Seminar on “National Economic Growth through Individual Contribution on 30 June 2018 at Mumbai.
10. On the behalf of Hindi Kasmiri Sangam, Srinagar, His Excellency Shri Keshri Nath Tripathi, Governor, West Bengal, awarded “**Mahakavi Bilhan Sharda Samman**”, on the occasion of National Seminar on Sahitya Per Visthapan Ka Prabhav on 28 April 2018 at Governor House, Kolkata.
11. Institute of Self Reliance, Bhubaneswar, awarded “**Bharat Vikas Award**” in appreciation of dedicated services on November. 19, 2017.
12. Universal Hindi Communication Centre, Aizawl, awarded, “**Certificate of Honor and Appreciation**” on 26 Oct 2017.
13. Institute of Self Reliance, Bhubaneswar, awarded “**Bharat Vikas Award**” in appreciation of dedicated services on Dec. 10, 2016.
14. Bundelkhand University, Jhansi, awarded, **Prof. R. C. Mehrotra Best Teacher Award and Gold Medal** for Outstanding contribution to the university services during the year 1999-2000.
15. University of Roorkee (Presently IITR) awarded ‘**UNIVERSITY MEDAL**’ for standing First in First Class in M. Phil. (Mathematics).

Memberships:

Vice President

1. Vice President of the VIJÑĀNA PARISHAD of INDIA (VPI) w. e. f. April 2020-Dec 2022. [LMVPI/2018/259]

2. Former Vice President of the OPERATIONAL RESEARCH SOCIETY OF INDIA (ORSI) during 2018-2020 & 2020-2022. [No. 0487/M/01/MSL].

Executive Council Member:

3. Executive Council Member of the Operational Society of India w. e. f. 2013-2018. [No. 0487/M/01/MSL].

Senior Member

4. Senior Member of the Operational Society of India w. e. f. March 12, 2006. [No. 0487/M/01/MSL].

Life Member

5. Life Member of the Operational Society of India [No. 0487/M/01/ML]
6. Life Member of the VPI [No. LMVPI/2018/259]
7. Life Member of the International Academy of Physical Sciences
8. Life Member of the Indian Mathematical Society [No. 980396]
9. ORCID: <https://orcid.org/0000-0002-8882-0892>
10. Life Member of the ISPS
11. Life Member of CSI
12. Life Member of Indian Science Congress [L42489]

Copyright

A Copyright for “**Questionnaire on CSTT/CHD**” has filed with Department of Promotion of Industry and Internal Trade, Govt of India under class Literary/ Dramatic; Current Status-Re-Scrutiny.

Patent

A Patent on “**Method for Optimization of Supply Chain Finance Management based on Big Data**”, filed with Office of the Controller General of Patent, Designs, & Trade Marks, Govt of India, Publication Date (U/S 11A): 17/03/2023.

Research Supervision:

Supervisor: (On-Going)

1. **Guide** of the Ph D Student **Ms Varsha Agarwal** on the Topic, “Optimization of Cloud Resources by using Multi Criteria Decision Analysis”. Topic approved vide letter no BU/Research Cell/2023/3847 date 17/01/2023

Supervisor: (Awarded)

1. **Guide** of the Ph. D. Student **Mr. Dharam Das** on the Topic, “Development of Some Algorithms for the Performance Enhancement of Communication Networks: Applications in Real World Problems”, on March, 2021.
2. **Guide** of the Ph. D. student **Mr. Urmani Kaushal** on the Topic, “**Performance Measure of Distributed Real-Time Systems Under Static and Dynamic Load Sharing Schemes**”. The Ph. D. Degree awarded from MITS (Deemed University) Lakshmanagarh, Siker, on Oct.15 2015.
3. **Guide** of the Ph. D. student **Ms. Garima Sahu** on the Topic, “**Studies on Applications of Unbalanced Transportation - Assignment with Industrial Problems**”. The Ph. D. Degree awarded from Bundelkhand University, Jhansi, on Nov.07 , 2012.
4. **Guide** of the Ph. D. student **Mr. Kapil Govil** on the Topic, “**Development of some Static and Dynamic Algorithms for the enhancement and Up-Gradation for the Distributed Processing Environment**”. The Ph. D. Degree awarded from Bundelkhand University, Jhansi, on Aug 01, 2011.
5. **Guide** of the Ph. D. student **Ms. Poonam** on the Topic, “**Applications of Mathematical Programming in the Development of some Models for Distributed Systems**”. The Ph. D. Degree awarded from Bundelkhand University, Jhansi, on June 11, 2010.
6. **Guide** of the Ph. D. student **Ms. Seema Khan** on the Topic, “**A Study of Linear Programming Techniques for the Development of some Methods for analysis of Communication Systems**”. The Ph. D. Degree awarded from Bundelkhand University, Jhansi, on April 22, 2010.

7. **Guide** of the Ph. D. student *Mr. Mudit Bamsal* on the Topic, “**To Study and Analysis of Optimization Techniques and their Application to Evolve some Algorithm to Performance Enhancement of Communication System**”. The Ph. D. Degree awarded from Bundelkhand University, Jhansi, on June 13, 2009.

Co-Supervisor: (Awarded)

8. **Co-Guide** of the Ph. D. student *Mr. Servesh Kumar Dubey* on the Topic, “**Optimization Techniques for the Performance Enhancement of the Distributed Systems**”, The Ph. D. Degree awarded from Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalaya, Chitrakoot, on March 01, 2019. [Dr. Virendra Upadhyay, Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalaya, Chitrakoot, is the Research Guide.]
9. **Co-Guide** of the Ph. D. student *Mr. Garima Krishna* on the Topic, “**Development of Some Unified Neural Network Algorithms for analysis of Real-World Communication Networks**”, The Ph. D. Degree awarded from Bundelkhand University, Jhansi, on Aug 01, 2011. [Dr. M. P. Singh, Dr. BRA University, Agra is the Research Guide.]
10. **Co-Guide** of the Ph. D. student *Mr. Vikram Kapoor* on the Topic, “**Development of Some Fast Data Security Algorithms for Computer Networks**”. The Ph. D. Degree awarded from the G. K. University, Hardwar, on Dec. 31, 2010. [Prof. M. P. Singh, G. K. University, Hardwar is the Research Guide.]
11. **Co-Guide** of the Ph. D. student *Mrs. Babita Agarwal* on the Topic, “**Some Performance Evaluation Techniques for Load Distribution in Computer Communication Network**”. The Ph. D. Degree awarded from the G. K. University, Hardwar, on Dec 31, 2010. [Prof. M. P. Singh, G. K. University, Hardwar is the Research Guide.]
12. **Co-Guide** of the Ph. D. student *Mrs. Anjali Saxena* on the Topic, “**Development and Analysis of Some Bio Mathematical Models and their Applications to the Blood Flow Systems**”. The Ph. D. Degree awarded from Bundelkhand University, Jhansi, on Jan. 06, 2010. [Prof. P. N. Srivastava, B. U., Jhansi is the Research Guide.]
13. **Co-Guide** of the Ph. D. student *Mr. Pramod Kumar* on the Topic, “**Stochastic Modeling for the Development of Automatic Speech Recognition System**”. The Ph. D. Degree awarded from Bundelkhand University, Jhansi, on Sept. 23, 2008. [Dr. Abdul Mobin, C. E. R. I., New Delhi is the Research Guide.]
14. **Co-Guide** of the Ph. D. Students *Ms. Anju Rani Gupta* on the Topic, “**Application and Development of Some Optimization Techniques for Performance Measures of Computing Systems**”. The Ph. D. Degree awarded from the G. K. University, Hardwar, on March 31, 2006. [Prof. M. P. Singh, G. K. University, Hardwar is the Research Guide.]

Dissertation (M. Phil.) Supervision:

1. **Dissertation Guide of the M. Phil. (Mathematics) student Mr. AB Rashid Kumar on the Topic, “Some Modified Approaches for Solving Unbalanced Transportation Problem”. The M. Phil. (Mathematics) Degree awarded from Bundelkhand University, Jhansi, July 2015.**
2. **Dissertation Guide of the M. Phil. (Mathematics) student Mr. Shailendra Singh on the Topic, “Improved Vogel’s Approximation Method for the Transportation Problem”. The M. Phil. (Mathematics) Degree awarded from Bundelkhand University, Jhansi, Feb. 2015.**
3. **Dissertation Guide of the M. Phil. (Mathematics) student Mr. Tariq Ahmad Bhat on the Topic, “A Heuristic approach for Optimal Task Allocation for the System Cost Analysis in Distributed Systems”. The M. Phil. (Mathematics) Degree awarded from Bundelkhand University, Jhansi, Dec. 2013.**
4. **Dissertation Guide of the M. Phil. (Mathematics) student Mr. Ram Kumar Yadav on the Topic, “A Study of Transportation problem and Its Solution”. The M. Phil. (Mathematics) Degree awarded from Bundelkhand University, Jhansi, Dec. 2013.**
5. **Dissertation Guide of the M. Phil. (Mathematics) student Mr. Jitendra Kumar Anuragi on the Topic, “An Intuitionistic Fuzzy Transportation Problem and its Solution”. The M. Phil. (Mathematics) Degree awarded from Bundelkhand University, Jhansi, Dec. 2013.**

6. Dissertation Guide of the **M. Phil. (Mathematics)** student *Ms. Prabha Singh* on the Topic, “A Study of Transaction Management in Distributed System”. The **M. Phil. (Mathematics) Degree** awarded from **Bundelkhand University, Jhansi, Dec. 2012.**
7. Dissertation Guide of the **M. Phil. (Mathematics)** student *Mrs. Vinit Kumar Shandily* on the Topic, “Some Problems on Fuzzy Linear and Non Linear Equations”. The **M. Phil. (Mathematics) Degree** awarded from **Bundelkhand University, Jhansi, Dec. 2012.**
8. Dissertation Guide of the **M. Phil. (Mathematics)** student *Mr. Kunal Srivastava* on the Topic, “Dynamic Management of Transactions in Distributed Real Time Processing System”. The **M. Phil. (Mathematics) Degree** awarded from **Bundelkhand University, Jhansi, Dec. 2012.**
9. Dissertation Guide of the **M. Phil. (Mathematics)** student *Mr. Ankit Dixit* on the Topic, “Some Aspect of the Subclasses of Univalent Functions”. The **M. Phil. (Mathematics) Degree** awarded from **Bundelkhand University, Jhansi, Dec. 2012.**
10. Dissertation Guide of the **M. Phil. (Mathematics)** student *Ms. Richa Shrivastava* on the Topic, “Task Allocation Model for Distributed Data Network”. The **M. Phil. (Mathematics) Degree** awarded from **Bundelkhand University, Jhansi, Jan., 2012.**
11. Dissertation Guide of the **M. Phil. (Mathematics)** student *Mr. Mahendra Kumar* on the Topic, “A Study of Objective Values in Linear Multiple Objective Transportation Problem”. The **M. Phil. (Mathematics) Degree** awarded from **Bundelkhand University, Jhansi, Jan., 2012.**
12. Dissertation Guide of the **M. Phil. (Mathematics)** student *Mr. Sandeep Kumar* on the Topic, “Comparisons of the Solution of the Unbalanced Transportation Problems”. The **M. Phil. (Mathematics) Degree** awarded from **Bundelkhand University, Jhansi, Jan., 2012.**
13. Dissertation Guide of the **M. Phil. (Mathematics)** student *Mr. Ram Prakash* on the Topic, “A Study of Transportation Problems owing impact of Both Depot to Customer and Customer to Customer Relationship”. The **M. Phil. (Mathematics) Degree** awarded from **Bundelkhand University, Jhansi, Jan., 2012.**
14. Dissertation Guide of the **M. Phil. (Mathematics)** student *Mr. Surendra Singh Yadav* on the Topic, “A Study of Assignment Problem with reference to Time Constraints”. The **M. Phil. (Mathematics) Degree** awarded from **Bundelkhand University, Jhansi, Jan., 2012.**
15. Dissertation Guide of the **M. Phil. (Mathematics)** student *Ms. Manu Rana* on the Topic, “An Efficient Assignment Method Approach for Solving Transportation Problem”. The **M. Phil. (Mathematics) Degree** awarded from **Bundelkhand University, Jhansi, Feb. 2011.**
16. Dissertation Guide of the **M. Phil. (Mathematics)** student *Mr. Nitin Sachan* on the Topic, “Solution of Travelling Salesman’s Problem Based on Reoptimization”. The **M. Phil. (Mathematics) Degree** awarded from **Bundelkhand University, Jhansi, Feb. 2011.**
17. Dissertation Guide of the **M. Phil. (Mathematics)** student *Mr. Man Mohan* on the Topic, “A Comparative Study for Initial Basic Feasible Solution of the Transportation Problem”. The **M. Phil. (Mathematics) Degree** awarded from **Bundelkhand University, Jhansi, Feb. 2011.**
18. Dissertation Guide of the **M. Phil. (Mathematics)** student *Mr. Aji Thomas* on the Topic, “An Efficient Method to Solve the Unbalanced Assignment Problem for Distributed Systems”. The **M. Phil. (Mathematics) Degree** awarded from **Bundelkhand University, Jhansi, June, 2010.**
19. Dissertation Guide of the **M. Phil. (Mathematics)** student *Mr. Servesh Kumar Dubey* on the Topic, “Cost based Assignment for the Distributed Networks”. The **M. Phil. (Mathematics) Degree** awarded from **Bundelkhand University, Jhansi, June, 2009.**
20. Dissertation Guide of the **M. Phil. (Mathematics)** student *Ms. Preeti Gupta* on the Topic, “Task Assignment for Distributed Computing System through Execution and Communication Costs”. The **M. Phil. (Mathematics) Degree** awarded from **Bundelkhand University, Jhansi, June, 2009.**
21. Dissertation Guide of the **M. Phil. (Mathematics)** student *Mr. Mukesh Kumar* on the Topic, “Sequencing Strategy for Program Modules Execution in Distributed Systems”. The **M. Phil. (Mathematics) Degree** awarded from **Bundelkhand University, Jhansi, May 2009.**
22. **Dissertation Guide** of the **M. Phil. (Mathematics)** student *Mr. Vinod Kumar* on the Topic, “**Optimizing Reliability of the Distributed Systems based on Task Assignment**”. The **M. Phil. (Mathematics) Degree** awarded from **Bundelkhand University, Jhansi, May 2009.**

23. Dissertation Guide of the **M. Phil. (Mathematics)** student *Ms. Subha Dubey* on the Topic, “Development of the model to solve the Unbalanced Assignment Problems”. **The M. Phil. (Mathematics) Degree awarded from Vinayaka Mission University, Salem (TN), Dec. 2008.**
24. Dissertation Guide of the **M. Phil. (Mathematics)** student *Mr. Urmani Kaushal* on the Topic, “Development of an Algorithm to improve the performance of Distributed Systems”. **The M. Phil. (Computer Science) Degree awarded from Vinayaka Mission University, Salem (TN), July 2007.**
25. Dissertation Guide of the **M. Phil. (Mathematics)** student *Mr. Prabhakar Khare* on the Topic, “Development of some queue Models”. **The M. Phil. (Mathematics) Degree awarded from Vinayaka Mission University, Salem (TN), July 2007.**
26. Dissertation Guide of the **M. Phil. (Mathematics)** student *Mr. Bhart Bhushan* on the Topic, “Optimality Conditions and Duality Theory for Non-Linear Programming Problem”. **The M. Phil. (Mathematics) Degree awarded from Algappa University, Karaikudi (TN), July 2007.**
27. Dissertation Guide of the **M. Phil. (Mathematics)** student *Mr. Akhil Kumar* on the Topic, “Development of Algorithms for Unbalanced Assignment and Transportation Problems”. **The M. Phil. (Mathematics) Degree awarded from Algappa University, Karaikudi (TN), July 2007.**
28. Project Guide of the **M. B. A. student Ms. Seema Saxena** on the Topic, “Analysis and Design the Unbalanced Transportation Problem to Nilay Iron and Steel Ltd., Jhansi: A Case Study”. **The M. B. A. Degree awarded with ‘A’ grade in project from IGNOU, New Delhi, on April 2006.**

List of Publications: Journals:

1. Khandelwal, Anju, and Kumar, Avani, “Language Dimensions in NEP 2020: Opportunities and Prospects”, Communicated in Int. J. of Knowledge and Learning, ISSN: 1741-1017, 2022. (ESCI, Scopus (Elsevier), Impact Factor: 1.18, SCImago Journal Rank (SJR) 0.236, Inderscience, Switzerland)
2. Khandelwal, Anju, and Kumar, Avani, “Scientific and Technical Knowledge in Indian Language Perspectives”, Communicated in Int. J. of Human Resource Development and Management, 2022. ISSN: 1741-5160 (ESCI, Scopus (Elsevier), UGC, Inderscience, Switzerland)
3. Khandelwal, Anju, and Kumar, Avani, “Potential Opportunities and Prospects on Language Dimensions in NEP 2020”, Communicated in Int. J. of Continuing Engineering Education and Life-Long Learning, 2022.
4. Khandelwal, Anju, and Kumar, Avani, “Important Dimensions of Education and NEP 2020: Opportunities and Prospects”, Communicated in International Journal of Knowledge and Learning, 2022.
5. Khandelwal, Anju, and Kumar, Avani, “A Modified Method for Solving the Unbalanced TP”, Accepted in International Journal of Operations Research, ISSN: 1745-7653(online), DOI: 10.1504/IJOR.2021.10040356, (Scopus, Impact Factor: 1.37, SCImago Journal Rank (SJR) 0.374, Inderscience, United Kingdom).
6. Khandelwal, Anju, Tandon, Ankita and Kumar, Avani, “An Experiential Study on the Role and Inclusion of Indian Languages for Generating Employment Opportunity”, Published in International Journal of Knowledge and Learning, Vol 16 No 2, pp 171-185, 2023. DOI: 10.1504/IJKL.2022.10048424, ISSN: 1741-1017 (ESCI, Scopus (Elsevier), Impact Factor: 1.18, SCImago Journal Rank (SJR) 0.236, Inderscience, Switzerland).
7. Khandelwal, Anju, Saxena, Suneet and Kumar, Avani, “Optimization of Fuzzy Assignment Problem Using ‘R’”, published in the Jñānābha, an interdisciplinary journal, Vol 52(2), 2022, pp 58-67. (Print ISSN 0304-9892, Online ISSN 2455-7463), **UGC Approved Journal, 2022.** DOI: <https://doi.org/10.58250/jnanabha.2022.52206>
8. Kumhar, D., Kewat, A., Kumar, A. (2022). Internet Security: Threats and Its Preventive Measures. In: Dhawan, A., Mishra, R.A., Arya, K.V., Zamarreño, C.R. (eds) Advances in VLSI, Communication, and Signal Processing. Lecture Notes in Electrical Engineering, vol 911. Springer, Singapore. ISBN: 978-981-19-2630-3 https://doi.org/10.1007/978-981-19-2631-0_65
9. Kumhar, Dharmdas, Kewat, Anil, and Kumar, Avani, “QRED: An Enhancement Approach for Congestion Control in Network Communications”, published in International Journal of Information Technology, vol 13, Issue 1, pp 221-227, February 2021, 10.1007/s41870-020-00516-7, DOI:

<https://doi.org/10.1007/s41870-020-00538-1> and / or <https://link.springer.com/article/10.1007/s41870-020-00538-1>; ISSN:2320-5407.

10. Khandelwal Anju, and Kumar Avanish “An Advanced Approach to the Employee Recruitment Process through Genetic Algorithm”, published in the International Journal of Information Technology (Springer), Volume 13, Issue 1, pp. 313-319, February 2021, ISSN:2511-2104(online), <https://link.springer.com/article/10.1007/s41870-020-00516-7>; <http://rdcu.be/b7Pbr> Springer, <https://doi.org/10.1007/s41870-020-00516-7>
11. Khandelwal Anju, Kumar Avanish and Saxena Saurabh “COVID-19: Challenges to Indian Higher Education System”, published in the Strad Research (UGC Indexed), Volume 8, Issue 2, pp. 21-27, 2021, ISSN:0039-2049(online), DOI: <https://doi.org/10.37896/sr8.2/003>.
12. Khandelwal Anju, and Kumar Avanish “Quantum Computing: Significant Challenge and it’s to-be”, published in the Science Letters, Volume 1, Issue 8, pp. 1-5, August 2020, DOI: 10.46890/SL.2020.v01i08.001.
13. Khandelwal Anju, and Kumar Avanish “Impact of Open Source Software in Research”, published in the Science Letters, Volume 1, Issue 8, pp. 6-10, August 2020, DOI: 10.46890/SL.2020.v01i08.002.
14. Khandelwal Anju, and Kumar Avanish “Government of India Initiative’s For COVID-19: Higher Education”, published in the International Journal of Advanced Research, Volume-8, Issue-8, pp. 747-759, August 2020, ISSN:2320-5407(online), <http://dx.doi.org/10.21474/IJAR01/11552> DOI: 10.21474/IJAR01/11552.
15. Khandelwal, Anju, Agarwal, Ashish, and Kumar, Avanish, “An outbreak of Coronavirus (COVID-19) Epidemic in India: Challenges and Preventions”, published in Journal of Infectious and Diseases and Therapy, Vol 8:421 Issue-2, April 2020, pp 1-7, ISSN 2332-0877 (online)
16. Kumar, Avanish, and Kumhar, Dharamdas, “Prioritized Retransmission: A TCP Flow Control Mechanism”, published in International Journal of Recent Technology and Engineering, Vol 8 (4), 2019, pp. 1680-1686, ISSN 2277-3878, DOI:10.35940/ijrte.C5411.118419; <https://www.ijrte.org/wp-content/uploads/papers/v8i4/C5411098319.pdf>
17. Khandelwal, Anju, and Kumar, Avanish, “Framework and Evolution of Task Orientation Using Fuzzy and GA”, published in International Journal of Recent Technology and Engineering, (SCOPUS Journal), Vol 8 (2), July 2019, pp 5475-5479, ISSN 2277-3878 (online), DOI: 10.35940/ijrte.B6988.078219; <https://www.ijrte.org/wp-content/uploads/papers/v8i2/A6988058119.pdf>.
18. Khandelwal, Anju, and Kumar, Avanish, “A Study on Recruitment and Selection Process with reference to Current Scenario in Organizations”, published in Malaya Journal of Matematik, Vol 7 (3) 2019, pp 412-418, ISSN (P) 2319-3786, ISSN(O) 2321-5666, <https://doi.org/10.26637/MJM0703/0008>.
19. Khandelwal, Anju, and Kumar, Avanish, “Investigation of Impact of Recruitment on Gaining Competitive Edge over Rivals”, published in Review of Business and Technology Research, Vol 15(3) 2018, pp 218-223, ISSN 1941-9414 (online), 1941-9406 (Print).
20. Kumhar, Dharmdas, Kanchan, Kumar, Dharmendra. and Kumar, Avanish, “Enhancement of TCP Performance by Jitter Control Scheme for Communication Networks”, published in the Journal of Emerging Technologies and Innovation Research, Vol 5(5), 2018, pp280-286, ISSN 2349-5162.
21. Dubey, Servesh, Kumar, Kumar, Avanish, and Upadhyay, Virendra, “The Average Sum Method for the Unbalanced Assignment Problems”, published in International Journal of Mathematics Trends and Technology, Vol55(2), 2018, pp 89-100, ISSN 2231-5373
22. Dubey, Servesh, Kumar, Upadhyay, Virendra, and Kumar, Avanish, “Optimal Tasks Allocation Process based on Fusion of the Unallocated Tasks for Distributed Systems”, published in International Journal of Computer Science and Engineering, Vol 09(4), 2017, pp 114-121, ISSN 0975-3397.
23. Kumhar, Dharmdas, and Kumar, Avanish, “Performance Analysis of AQM Algorithms in Network Congestion Control”, published in the International Journal of Advance Research in Computer Science, Vol 8(3), 2017, pp204-208, ISSN 0976-5697.
24. Kumar, Avanish, Upadhyay, Virendra, and Dubey, Servesh Kumar, “Optimal approach for tasks Allocations Based on Fusion of Unallocated Tasks in Distributed Systems”, published in the International Journal of Advance Research in Computer Science, Vol 8(3), 2017, pp602-607, ISSN 0976-5697.
25. Kumar, Avanish, “A Comparative Study of Various Computing Technologies”, published in the Journal of Reflections des ERA, Vol. 10(2), 2015, pp77-102. ISSN 0973-4597.

26. Kumar, Avanish, Khandelwal, Anju and Khan Seema, "Performance Analysis of Computing Systems through Exhaustive Search technique based on Reliability Assignments", published in the Journal of Reflections des ERA, Vol. 10(1), 2015, pp17-40. ISSN 0973-4597.
27. Kumar, Avanish, and Bhat, Tariq Ahmad, "A Heuristic Approach for Optimal Task Allocation for the System Cost Analysis in Distributed Systems", published in SRMS Journal of Mathematical Sciences, Vol 1 (1) 2014, pp 39-53, ISSN 2394-725X.
28. Kumar, Avanish, Khandelwal, Anju and Kaushal Urmani, "Fuzzy Logic Based Re-Engineering Model for Maximization of average Utilization of Distributed Real Time Systems", published in SRMS Journal of Mathematical Sciences, Vol 1 (1) 2014, pp 168-179, ISSN 2394-725X.
29. Kaushal Urmani, Kumar, Avanish and Kumar Narendra, "Algorithm for Performance Improvement of DRTS under Static Load Sharing Scheme", published in the IPU Journal of Information Technology, Vol IX (3), 2013, pp43-52, 2013, ., ISSN 0973-2896.
30. Kaushal Urmani, and Kumar, Avanish, "Improving the Performance of DRTS by Optimal Allocation of Multiple Task Under Dynamic Load Sharing Scheme", published in the International Journal of Scientific and Engineering Research, Vol 4 (7), 2013, pp1316-1321, 2013. ISSN 229-5518.
31. Kaushal Urmani, and Kumar, Avanish, "Performance Intensification of DRTS under Static Load Sharing Scheme", published in the International Journal of Computer Applications, ISSN 0975-8887, Vol 71 (16), 2013, pp55-59, 2013.
32. Porwal, Saurabh, Dixit, Ankit, Kumar, Avanish and Ghai, S.K., "Salagean Type Harmonic Univalent Functions with Fixed Points", published in the International Journal of Mathematical Archive, Vol. 3 (7), 2012, pp. 2755-2764.
33. Sahu, Neeraj, and Kumar, Avanish, "Existence and Learning of Teaching Network for CRNN", Published in the International Journal of Computer Applications, ISSN 0975-8887, Vol. 29(4), 2011, pp. 24-27.
34. Govil, Kapil, and Kumar, Avanish, "Cost based Static Approach to enhance the Performance of Distributed Network", Published in the View Point, Journal of Computer Science Vol. 2(2), 2011, pp. 29-32.
35. Govil, Kapil, and Kumar, Avanish, "A Modified and Efficient Algorithm for Static Task Assignment in Distributed Processing Environment", Published in the International Journal of Computer Applications, ISSN 0975-8887, Vol. 23(8), 2011, pp. 01-05.
36. Kumar, Jitendra, Shinde, Vikas, Singh, B. B. and Kumar, Avanish, "Analysis of Performance Measure of Multi-Server based on Queue Length and Waiting Time", published in Ganita Sandesh, a journal of Rajasthan Ganita Parishad, Vol. 24 (2), 2010, pp. 127-134, ISSN 0970-9169.
37. Govil, Kapil, and Kumar, Avanish, "An efficient approach for Allocation of Tasks in a Distributed System" published to the International Journal of Management, Vol. 1, issue 1, 2010, pp. 93-101.
38. Sahu, Neeraj, and Kumar, Avanish, "Solution of the Linear Programming Problems based on Neural Network Approach", Published in the International Journal of Computer Applications, ISSN 0975-8887, Vol. 9(10),2010, pp. 24-27.
39. Kumar, Avanish, Yadav, P. K., and Sharma, Abhilasha, "Analysis of Load Distribution in Distributed Processing Systems through Systematic Allocation Task" published in International Journal of Mathematics, Computer Sciences and Information Technology, Vol. 3 (1), 2010, pp. 101-114.
40. Singh, M. P., Kumar, Avanish, Yadav, P. K., and Krishna, Garima, "Study Load Distribution in fully Connected Client Server Network using Feedback of Neural Network Architecture", Published in the International Journal of Engineering and Technology Research, Vol 2(4) 2010, pp. 58-72.
41. Yadav, P. K, Kumar, Avanish, M. P. Singh, and Agarwal, Babita, "An Efficient Tasks Scheduling Model in Distributed Processing Systems Using ANN", Published in the International Journal of Computer Engineering, Vol 12, 2009, pp. 57-62.
42. Singh, M. P., Kumar, Avanish, and Kapoor Vikram "Secured Email System using Poly Alphabetic Substitution Cipher" Published in the International Journal of Knowledge, Management and e-Learning, (International Science Press), Vol. 1 (2), 2009, pp. 77 - 80.

43. Kumar, Jitendra, Sinde, Vikas, and Kumar, Avanish, "Analysis of M/M/C Queue Model Under N-Policy", Published in the Journal of Computer and Mathematical Sciences, Vol. 1, No. 1, 2009, pp. 27-32.
44. Yadav, P. K., Kumar, Harendra, Singh, M. P., and Kumar, Avanish, "Heuristic Approach of Tasks Allocation in Distributed Processing System" Published to the Journal of Computer and Information Sciences Vol. 2, No 1 & 2, 2007, pp. 105-116.
45. Yadav, P. K., Govil, Kapil, and Kumar, Avanish, "Cost Based Static Approach for Performance Enhancement of Distributed Networks" published to the Journal Reflections des ERA Journal of Mathematical Sciences, Vol. 2, issue 1, 2007, pp. 23-42.
46. Kumar, Avanish, Yadav, P. K., and Mudit Bansal, "Evaluation of Improved Reliability of Distributed Computing Systems using Mathematical Programming" published to the Journal of Mathematical Biosciences, Gwalior Academy of Mathematical Sciences, Vol. 3, No. 1, 2007, pp. 88-96.
47. Saxena, Anjali, Srivastava, P. N., and Kumar, Avanish "Analysis of Plasma Viscosity of Various Blood Groups", published to the Varahmihir Journal of Mathematical Sciences, Ujjain, Vol. 6, No. 2, 2006, pp. 647-652.
48. Kumar, Harendra, Singh, M. P., and Kumar, Avanish, "A Task Allocation Model for Distributed Data Network" published to the Journal Reflections des ERA Journal of Mathematical Sciences, Vol. 1, issue 4, 2006, pp. 379-392.
49. Kumar, Avanish, "A Modified Method for Solving the Unbalanced Assignment Problems", published to the Journal of Mathematics and Computations, Elsevier, Amsterdam, Netherlands. [Volume 176, Issue 1](#), 1 May 2006, Pages 76-82 (Available online on worldscientific.com)
50. Kumar, Avanish, Yadav, P. K. and Gupta, A. R., "An exhaustive approach of performance analysis to the distributed systems based on cost assignments", published to the South East Asian Journal of Mathematics and Mathematical Sciences, Vol. 5, No. 1, 2006, pp. 29-44.
51. Yadav, P. K., Kumar, Avanish, and Mudit Bansal, "Evaluation of Optimal Execution Time of Computer System by Exhaustive Search Approach" published to the Journal of Research Link, 32, Vol-V (7), 2006, pp. 12-15.
52. Srivastava, P. N., Kumar, Avanish, and Sexena, Anjali, "Analysis of Blood Viscosity and Surface Tension of Various Blood Groups", published for the publication in the Journal of Ultra Scientist of Physical Sciences, Bhopal, Vol. 17, No. 3 (M), 2005, pp. 369-378.
53. Kumar, Avanish and Yadav, P. K., "A Modify approach for Unbalanced Transportation Problems", published to the Varahmihir Journal of Mathematical Sciences, Ujjain, Vol. 4, No. 1, 2004, pp. 129-137.
54. Yadav, P. K., Kumar, Avanish and Singh, M. P., "An Algorithm for Solving the Unbalanced Assignment Problems", published to the International Journal of Mathematical Sciences, Varanasi, Vol. 3, No. 2, 2004, pp. 447-461.
55. Yadav, P. K., Singh, M. P., Kumar, Avanish and Sharma, Manisha, "An optimal sequencing strategy to module execution in computer communication systems", published to the Varahmihir Journal of Mathematical Sciences, Ujjain, Vol. 3, No. 1, 2003, pp. 175-187.
56. Kumar, Avanish, "Optimal Task-Allocation for the Distributed systems", presented in the prize session of 65th annual conference of Indian Mathematical Society held at Rewa from December 20-23, 1999 and published to the Journal of ACI (Mathematics), Vol. XX VIM, No.3, 2000, pp. 249-2 56.
57. Kumar, Avanish, Singh, M. P. and Kumar, Vinod, "An Efficient Modified Load Balancing approach for Task –Allocation in Distributed Systems", published for publication to the Journal of International Academy of Physical Sciences, Vol. - 3, Nos. 1-4, 1999, pp. 41-52.
58. Singh, M. P., Kumar, Vinod and Kumar, Avanish, "An Efficient Algorithm for optimizing Reliability Index in Task Allocation" Published to the Journal of ACI (Mathematics) Vol. XXVM, No. 4, 1999, pp. 437 – 444.
59. Kumar, Avanish, Singh, M. P. and Kumar, Vinod, "Performance Evaluation for Response Time Analysis", published to the Journal of International Academy of Physical Sciences, vol. - 2, 1998, pp. 35-41.

Conference Proceedings:

60. Khandelwal Anju, and Kumar Avanish “Analysis of the Impact of Recruitment Process on the OAR”, Book Chapter in the Recent Advances in Mathematics and optimization, published by Selective and Scientific Books, New Delhi, June 2022, pp 76-84, ISBN 978-93-92787-31-7
61. Khandelwal Anju, Kumar Avanish and Gupta Mani “Triangular Fuzzy Assignment Problem for Solving Amalgamated Computing System”, published in the International Conference on Computational Performance Evaluation (ComPE 2021); IEEE Digital Explore (Scopus Indexed), pp. 348-353, ISBN:978-1-6654-3656-4, DOI: [10.1109/ComPE53109.2021.9751811](https://doi.org/10.1109/ComPE53109.2021.9751811), April 2022.
62. Khandelwal Anju, and Kumar Avanish “Fuzzy Based Evaluation of Optimal Service Time Using Execution/Communication Time and Clustering”, Book Chapter in the Mathematical Modelling and Computation of Real Time Problems- An Interdisciplinary Approach published by CRC Press, Taylor & Francis Group, 03 Jan 2021, pp 159-189, ISBN 9781003055037
63. Khandelwal Anju, and Kumar Avanish “Evaluation of Service Time in DCS using Fuzzy and Clustering Technique”, published in the International Conference on Computational Performance Evaluation(ComPE 2020); IEEE Conference (Scopus Indexed), pp. 028-032.
64. Khandelwal Anju, Kumar Avanish, “Analysis of Impact of Recruitment and Selection at the Managerial Level”, Published in the Proceedings of the 13th INDIACom-2019; IEEE Conference ID: 46181; ISSN 0973-7529; ISBN 978-93-80544-32-8, pp. 143-148, March 2019.
65. Khandelwal, Anju, and Kumar, Avanish, “Analysis of Impact of Recruitment and Selection at Managerial Level”, published in the Proceedings of 6th International Conference on Computing for Sustainable Global Development (INDIACom-2019); IEEE Conference (Scopus Indexed), held at BVICAM, New Delhi, during 13-15 Mar 2019, pp 1194-1199, ISSN 0973-7529, ISBN 978-93-80544-32-8.
66. Khandelwal, Anju, and Kumar, Avanish, “Cloud Computing Architecture for Improving Transparency between Donor/Seeker in Blood Bank Management System”, Published in the Proceedings of the 12th INDIACom-2018; IEEE Conference ID: 42835; the proceedings of 5th International Conference on Computing for Sustainable Global Development, held at BVICAM, New Delhi, during 14-16 March, 2018, pp 2861-2866, March 2018, ISSN 0973-7529, ISBN 978-93-80544-28-1.
67. Rathi, Preeti, Singh, Nipur, and Kumar, Avanish, “An Efficient Algorithm for Data Personalization to Improve Accuracy and Performance of Web usage Mining”, Published in the Proceedings of the 12th INDIACom-2018; IEEE Conference ID: 42835; the proceedings of 5th International Conference on Computing for Sustainable Global Development, held at BVICAM, New Delhi, during 14-16 March, 2018, pp 3652-3657, March 2018, ISSN 0973-7529, ISBN 978-93-80544-28-1.
68. Kumhar, Dharamdas, and Kumar, Avanish, “QRED: An Enhancement Approach for Congestion Control in Communication Networks”, Published in the Proceedings of the 12th INDIACom-2018; IEEE Conference ID: 42835; the proceedings of 5th International Conference on Computing for Sustainable Global Development, held at BVICAM, New Delhi, during 14-16 March, 2018, pp 643-647, March 2018, ISSN 0973-7529, ISBN 978-93-80544-28-1.
69. Kumar, Avanish, “Cluster, Grid, Cloud and Parallel and Distributed Computing: A Perspective Study”, published in the Proceedings of the 2nd International Conference on Web Research (ICWR 2016), paper ID 108, 2016.
70. Urmani Kaushal Kumar, Avanish and Narendra Kumar, “Performance Evolution in Distributed Real Time System under Dynamic Load Sharing Scheme”, published by IEEE 2014/3 Computing for Sustainable Development, pp. 326-331, 2014.
71. Urmani Kaushal and Kumar, Avanish, “Modified Clustered Approach for Performance Escalation of Distributed Real Time System”, published in the *ICT and Critical Infrastructure: Proceedings of the 48th Annual Convention of Computer Society of India-Vol II*, pp. 9-16. Springer International Publishing, 2014. ISBN 978-3-319-03095-1 (online) 978-3-319-03094-4 (print)
72. Kaushal, Urmanil, Kumar, Avanish and Kumar, Narendra, “Performance Evolution in Real-Time System under Dynamic Load Sharing Scheme”, published in the Proceedings of the 8th International Conference on Computing for Sustainable Global Development; INDIACOM-2014, 2014, New Delhi, pp. 364-370.
73. Kumar, Jitendra, Kumar, Avanish and Sinde, Vikas, “Traffic Analysis and Mobile Networks under Queuing System with Multi-Server”, published in the Proceedings of Recent Trends in Mathematics and its Applications, 2012, pp. 180-190, ISSN 978-81-909873-4-3.

74. Kumar Avanish and Yadav, P. K., "Optimal Assignment Policy for Distributed Systems", published in the proceedings of Advance Computing Applications, Databases and Networks, 2011, pp. 113 – 121.
75. Govil, Kapil, Kumar, Avanish, Bhardwaj, Shambhu, and Saxena, A.K., "An Efficient Approach for Optimal Task Allocation through Optimizing Processing Cost in Distributed Computer System", published in the proceedings of International Conference on Role of management and Technology in Shaping India as a Developed Nation by 2020 held at TMU Moradabad during April 29-30, 2011, pp627-632 ISBN 978-81-8465-596-4.
76. Govil, Kapil, Kumar, Avanish, Sharma Shalini, and Ajay Rastogi, "A Smart Optimization Approach for Performance Enhancement of Distributed Network", published in the proceedings of the National Conference on Impact of Soft Computing on Software Engineering Research (Shodh) held at SRMSCET, Barielly on March 27,2011, pp19-22
77. Govil, Kapil, and Kumar, Avanish, "An Algorithm for Task Allocation in Environment of Distributed Processing" published in the proceedings of the National Conference on Electronics Communication & Instrumentation (e-Manthan 2010) held at CSE Jhansi during April 02-03, 2010, pp.79-81.
78. Faizul Navi, Govil, Kapil, and Kumar, Avanish, "Time based Static approach to Enhance the Performance of Distributed Network", published in the proceedings of the National Conference on Challenges for Management & Technology in Knowledge Millennium, held at TMU, Moradabad during March 19-20, 2010, pp.134-140.
79. Yadav, P. K., Kumar, Avanish, and Krishna Garima, "A Heuristic Tasks Allocation Algorithm for Computer Communication Systems" published in the proceedings of the International Conference on Challenges & Applications of Mathematic in Science & Technology (CHMIST) held at National Institute of Technology, Rourkela (Orissa) during January 11-13, 2010, pp. 503-509
80. Kumar, Avanish, Sharma, Abhilasha, and Vanita Ben Dhagat, "Maximal Link Mode Algorithm for the Task Allocation in Distributed Computing System", published in the proceedings of the 4th National Conference; INDIACOM-2010, 2010, New Delhi, pp. 119-122, & 128.
81. Kumar Avanish, Singh, M. P., Yadav, P. K., and Krishna, Garima, "Heuristics to solve Task Allocation in Mobile Computing and other Network through Artificial Neural Networks", published in the proceedings of International Conference on Recent Trends in Management, Technology & Environment 2009, pp. T-132 – T-142.
82. Kumar, Avanish, and Ahmad, Nadeem, "Optimizing the throughput of Building Construction and Maintenance Management System", published in the proceedings of the conference on Challenges and Applications of Mathematical modeling Techniques in Building Science and Technology (CAM2TBST), 2008, pp. 577-585.
83. Dubey, M. P., Agarwal, S. K., Singh, M. P., Kumar, Avanish, and Sheery, A. M., "Growth and Impact of SMEs (IT & ITES) using Neural back-Intelligent Propagation Network", published in the proceedings of Conference entitled, Compendium of papers on Winning Strategies for Small & Medium Enterprises, held at Central Institute of Business Management Research & Development (CIBMRD), Nagpur during Jan. 24-25, 2008, pp. 12-25.
84. Dubey, M. P., Agarwal, S. K., Singh, M. P., Kumar, Avanish, and Sheery, A. M., "Software Technology Parks/Incubators and their impact on growth of SMEs using the Nerural back-Intelligent Propagation Network", published in the proceedings of Conference 2007 ASPA-IASP Joint Conference (2007 ASPA-IASP), (The 11th ASPA annual Conference & IASP Asian Divisions Conference), Asian Alliance for Technological innovation and Regional Development organized by Gyeonggi Technopark & ERICA held at Korea during Oct. 23-26, 2007, pp. 585-595.
85. Govil, Kapil, Kumar, Avanish, and Yadav, P. K., "Performance Upgradation through Task Allocation of Distributed Networks", published in the proceedings of Conference on Theory and Practice of Operational Research in Information Technology and Supply Chain Management held at TCE Madurai during Sept. 06-08, 2007, pp. 151-157.
86. Govil, Kapil, Kumar, Avanish, and Yadav, P. K., "Performance Enhancement of Distributed Networks", published in the proceedings of National Symposium on Recent Advances in Optimization Theory and Applications to be held at Delhi from Oct 27-28, 2006, published by Mathematical Programming Group, Delhi, 2006, pp. C 14-20.

87. Govil, Kapil, Kumar, Avanish, and Yadav, P. K., "A Static Approach for Performance Upgradation of Distributed Network through Allocation of Tasks", published on line at the International Conference on Distributed Computing and Grid Technologies to be held at Joint Institute for Nuclear Research Laboratory of Information Technologies, Dubna, Moscow, Russia from June 26-30, 2006. [Not Attended]. (available on line www.grid2006@jinrl.ru)
88. Yadav, P. K., Kumar, Harendra, Singh, M. P., and Kumar, Avanish, "Heuristic Approach of Tasks Allocation in Distributing Processing System", published in the proceedings in CD of the International Conference of ORSI, held at Bangalore from Dec. 27-29, 2005.
89. Kumar, Avanish, Yadav, P. K., and Govil, Kapil, "Performance Enhancement of Distributed Networks", published in the proceedings in CD of the International Conference of ORSI, held at Bangalore from Dec. 27-29, 2005.
90. Singh, M. P., Yadav, P. K., Kumar, Avanish and Gupta, A. R., "An Efficient Allocation Model for Distributed Systems", published to the proceedings of Sixth International Conference of the Association of Asia-Pacific Operational Research Societies within IFORS 'APORS-2003' held at New Delhi from December 08-11, 2003, published by Allied Publisher Pvt. Ltd., New Delhi, 2004, pp. 29-39.
91. Kumar, Avanish, "A Generalized Approach for Allocation through Reliability Optimization", published to the proceedings of the National Conference on Operation Research and Information Technology held at Agra from April 02-03, 2000, Published by S. R. Scientific Publication, Agra, 2004, pp. 331-344.
92. Kumar, Avanish and Yadav, P. K., "An Efficient Approach for Unbalanced Transportation Problems", published to the proceedings of the fifth conference of the International Academy of Physical Sciences held at Jhansi from April 07-09, 2002, Published by Academic Excellence, Delhi, 2004, pp. 347-357.
93. Yadav, P. K. and Kumar, Avanish, "Operations research - a brief review of historical note", published to the proceedings of the fifth conference of the International Academy of Physical Sciences held at Jhansi from April 07-09, 2002, Published by Academic Excellence, Delhi, 2004, pp. 366-370.
94. Yadav, P. K., Kumar, Avanish and Gupta, A. R., "Performance analysis of computing systems through assignments based on reliability", published to the proceedings of the fifth conference of the International Academy of Physical Sciences held at Jhansi from April 07-09, 2002, Published by Academic Excellence, Delhi, 2004, pp. 376-389.
95. Sharma, Vimlesh, Kumar, Avanish and, Govil, Kapil "Information Communication Technology and Distance Learning", published to the proceedings of the fifth conference of the International Academy of Physical Sciences held at Jhansi from April 07-09, 2002, Published by Academic Excellence, Delhi, 2004, pp. 401-408.
96. Srivastava, P. N., Kumar, Avanish, Solanki, Anjana and Ahmed, Anees, "Response time analysis to the bulk arrival queue systems in communication network", published to the proceedings of the fifth conference of the International Academy of Physical Sciences held at Jhansi from April 07-09, 2002, Published by Academic Excellence, Delhi, 2004, pp. 451-457.
97. Yadav, P. K. and Kumar, Avanish, "An Efficient Static Approach for Allocation through Reliability Optimization in Distributed Systems", published to the proceedings in CD (Ref. no. CE47) at the International conference on Operations Research for Development (ICORD2002) held at Chennai from December 27-30, 2002.
98. Kumar, Avanish, "An Algorithm for Optimal Index to Tasks Allocation Based on Reliability and cost", published to the proceedings of International Conference on Mathematical Modeling held at Roorkee from 29-31 Jan 2001, Published by Tata Mc-Graw Hill Publishing Company Ltd., New Delhi, 2001, pp. 150-155.
99. Kumar, Avanish, "Optimizing for the Dynamic Task Allocation", published to the proceedings of the III Conference of the International Academy of Physical Sciences held at Allahabad from December 17-19, 1999, Published by The Indian Press Pvt. Ltd., Allahabad, 2000, pp. 281-294.
100. Sharma, H. G. and Kumar, Avanish, "Numerical Solution of the Flow between two Infinite Rotating Discs with Suction and Injection", Published to the Proceedings of the Conference on Mathematics and its applications in Engineering and Industry, held at Roorkee from December 16-18, 1996, Published by Narosa Publishing House, New Delhi, 1997, pp. 288-295.

Article Published (Magazine):

1. Sharma, Vimlesh and Kumar, Avanish, "Research Ethics, Values and Professionalism", published in the University New, Vol 60 No 44, 2022, pp8-11. ISSN 0566-2257.
2. Khandelwal Anju, and Kumar Avanish, "Technical Translation in Hindi and Regional Languages", published in the Chanakya Varta (A Complete International Magazine of Official Language Hindi), Volume-7, Issue-6, pp. 15-17, Mar 2022, ISSN: 2456-1207.
3. Khandelwal Anju, and Kumar Avanish, "COVID-19: Current Scenario in India", published in the Chanakya Varta (A Complete International Magazine of Official Language Hindi), Volume-5, Issue-9, pp. 11-15, May 2020, ISSN: 2456-1207.
4. Kumar Avanish, Khandelwal Anju, "Emotional Intelligence/ Life and Technical Vocabulary", published in Hinchy (Samanvy Hinchey) Hindi in China Group Magazine, pp. 35-39, July 2019.

Refresher Course Attended:

1. Attended and Completed three weeks Refresher Course in Mathematics with 'A' Grade, w. e. f. February 15, 2007 to March 07, 2007 at UGC-ASC Allahabad University, Allahabad.
2. Attended and Completed three weeks Refresher Course in Mathematics with 'A' Grade, w. e. f. November 30, 2007 to December 20, 2007 at UGC-ASC DDU Gorakhpur University, Gorakhpur.

Summer School Attended:

1. Attended four weeks Summer School in Mathematics (The Annual Foundation School ([AFS](#))-II) w. e. f. June 01, 2006 to June 28, 2006 jointly organized by Bhaskaracharya Pratishthana, Pune and Department of Mathematics, University of Pune, Pune

Orientation Course Attended:

1. Attended 57th four weeks Orientation Course w. e. f. February 19, 2002 to March 21, 2002 at UGC-ASC Jamia Millia Islamia, New Delhi.

Workshop Attended:

1. Attended two days National E Workshop on "Data Science & Big Data Analytics Using R", held at Andhra University, Visakhapatnam during 27-28 Dec 2022.
2. Participated in the Microsoft Faculty Connect Symposium held during 26-27 June 2014 at Microsoft Gurgaon Campus.
3. Participated in the seven days IQAC Workshop on Research Methodology at Bundelkhand University, Jhansi held during February 20-26, 2014.
4. Participated in the AICTE-MHRD Workshop on NMEICT at New Delhi on 08-10-2013.
5. Participated in the Workshop on Spoken Tutorial at Bundelkhand University, Jhansi on 29-09-2013.
6. Participated in the MHRD workshop on NMEICT at Bundelkhand University, Jhansi on 23-09-2013.
7. Participated in the INSPIRE workshop for Organizers of the Science Camp at Port Blair organized by DST, New Delhi and PU, Port Blair during, April 11-12, 2013.
8. Participated in the Microsoft Faculty Connect Summer School held during 27-29 June 2012 at Microsoft Gurgaon Campus.
9. Participated in the INSPIRE workshop for Organizers of the Science Camp at YASHADA organized by DST, New Delhi and IISER, Pune during 13-14 April 2012.
10. Participated in the Technology Conclave Delhi 2011 held on 17-12-2011 at Siri Fort, New Delhi.
11. Participated in the Technology Conclave Delhi 2011 held on 18-12-2011 at Siri Fort, New Delhi.
12. Participated in the Seminar on Technical Terminology in Indian Languages during 27-29 April 2011 at Vigyan Bhavan, Delhi.
13. Participated in the Workshop on Challenges before Applied Mathematics: Fluid Dynamics and Optimization Techniques held at University of Rajasthan, Jaipur during March 11-13, 2011.
14. Participated in the INSPIRE workshop for Organizers of the Science Camp at YASHADA organized by DST, New Delhi and IISER, Pune on Sept. 23, 2010.
15. Participated in the Faculty Development Program on MATLAB held at Dr. BRA University, Agra during April 23-24, 2009.
16. Participated in the Workshop on Technology Development Content Creation and Localization in Indian Languages held at R. K. G. I. T. Ghaziabad on Dec. 01, 2006.
17. Participated in the Workshop on Nonlinear Dynamical Models and their Behavior held at I. I. T. Roorkee, from 11-13 March 2005.
18. Participated in the Ninth Annual Conference GAMS and All India Workshop on Mathematical Modeling and Computer Simulation held at I T M, Gwalior, from 17-19 January 2004.

19. Participated in the Workshop on LATEX and Free Mathematical Software, jointly organized by Bhaskaracharya Pratishthana, Pune and Department of Mathematics, University of Pune, Pune from June 09 - 14, 2003.
20. Participated in the Competition in Improvising Toys for Disabled Children organized by NCERT in 1989.

Conference/Seminar/Workshop Organized:

1. Organized ten days 'Workshop on Vedic Mathematics', during Nov 29 - Dec 08, 2022 at Department of Mathematical Sciences and Computer Applications, Bundelkhand University, Jhansi.
2. Organized seven days' Workshop on Research Methodology and Soft Skills, during 25-31 March 2022 at Bundelkhand University, Jhansi.
3. Organized 23rd Annual Conference of 23rd Annual Conference of Vijnāna Parishad of India on Recent Developments in Mathematics, Optimization and Computational Sciences (RDMOCS 2021) during 06-10 September 2021 at the Department of Mathematical Sciences and Computer Applications, Bundelkhand University, Jhansi.
4. Organized two days' Workshop on Vedic Mathematics, during 04-05 September 2021 at Bundelkhand University, Jhansi.
5. Organized Seven Days Refresher Course on the Implementation of National Education Policy 2020 in Higher Education, during 17-23 March 2021 at Bundelkhand University, Jhansi.
6. Organized two days Lecture Series on Career Counseling and Personality Development during 22-23 Feb 2016 by University Employment, Information and Counseling Centre, on the occasion of 20th Convocation week programs of Bundelkhand University, Jhansi.
7. Organized one day Blood Donation Camp on December 06, 2013 at Bundelkhand University, sponsored by HDFC Bank ltd and District Hospital, Jhansi.
8. Organized five days DST-INSPIRE Internship Science Camp during July 05, 2013 to July 09, 2013 at Bundelkhand University, sponsored by Department of Science and Technology, New Delhi.
9. Organized three days' workshop on Cloud Computing and Career Counseling during 19-21 March 2012 at Bundelkhand University, sponsored by Training and Employment Directorate, UP Govt., Lucknow and University Employment, Information and Counseling Centre, Jhansi.
10. Organized one day "Workshop on Mathematical and Computational Sciences" organized at Department of Mathematical Sciences and Computer Applications, Bundelkhand University, Jhansi on March, 30, 2011.
11. Organized six days DST-INSPIRE Internship Science Camp during Dec. 13, 2010 to Dec. 18, 2010 at Bundelkhand University, sponsored by Department of Science and Technology, New Delhi.
12. Organized one day workshop on Scaling Higher Education-Many Facets under the 'Udan Avsar-2009' on Nov. 17, 2009 at Bundelkhand University, sponsored by Training and Employment Directorate, UP Govt., Lucknow and University Employment, Information and Counseling Centre, Jhansi.
13. Organized 10 days Training Program on SQL for BCA / B. Sc. (Comp. Sc.) / B. Sc. (IT) students during 05-14 April 2008 with HCL Infosystems Ltd. Noida at the Department of Mathematical Sciences and Computer Applications.
14. Organized 10 days Training Program on SQL for MCA students during 08-17 March 2008 with HCL Infosystems Ltd. Noida at the Department of Mathematical Sciences and Computer Applications.
15. Organized Training & Placement meets for MCA / BCA and all other groups of students during Nov. 2007 and Feb. 2008 with Queare-e Technologies, Lucknow, HCL Infosystems Ltd. Noida, NIIT Lucknow & Jhansi centers, SLS, Jhansi and HCL Comnet Noida.
16. Convener of the "Workshop on Modeling" organized at Bundelkhand University, Jhansi during Jan. 27-29, 2006.
17. Convener of the Workshop on "Patent Awareness" sponsored by Patent Information Center, Council of Science & Technology, UP, (Department of Science & Technology, Govt. of UP, Lucknow) & Technology Information Forecasting and Assessment Council, (Department of Science & Technology, New Delhi), organized at Bundelkhand University, Jhansi on July 28, 2003.

18. Convener of the Seminar sponsored by CSTT, Ministry of HRD, Govt. of India, on “IT & Computer Sciences Book Production”, organized at Bundelkhand University, Jhansi during September 25-26, 2002.
19. Organizing Secretary of the fifth Conference of International Academy of Physical Sciences on “Interdisciplinary Trend in Physical Sciences” and Symposium on “The Role of Information Technology and Its Implications”, at Bundelkhand University, Jhansi during 07-09 April 2002.

Invited Talks

1. Delivered Invited Talk on Modeling in Mathematical Sciences at the National Seminar on Importance of Mathematics and its Interdisciplinary Applications held at Atarra PG College Atarra, Banda during 28-29 March 2023.
2. Delivered Invited Talk on Dynamic Policy for Optimal Allocation of Multiple Tasks at International Conference on Mathematical Sciences and Applications held at DR BRA University, Agra during 24-26 March 2023.
3. Delivered Invited Talk on Analysis of Dynamical Assignment at National Seminar on Recent Advances in Mathematical Sciences and their Applications held at SMS Govt Model Science College, Gwalior on 9 Feb 2023.
4. Delivered Invited Talk on Performance Analysis of Distributed System at International Conference on Knowledge Discoveries on Statistical Innovation & Recent Advances in Optimization (ICON-KSRAO) held at Andhra University, Visakhapatnam during 29-30 Dec 2022.
5. Delivered Invited Talk on R-Programming on the 76th Refresher Course in Mathematics and Statistics conducted by DPU-HRDC on 16-11-2022 held at UGC-HRDC, Sardar Patel University, VALLABH VIDYANAGAR, Gujrat.
6. Delivered Invited Talk on RELEVANCE OF REAL WORLD MODELING (Mathematics-Statistics-Computer Science) on the 76th Refresher Course in Mathematics and Statistics conducted by DPU-HRDC on 16-11-2022 held at UGC-HRDC, Sardar Patel University, VALLABH VIDYANAGAR, Gujrat.
7. Delivered invited Lecture on Container Technology and Its Significance in Multidisciplinary Domain at 5th International Conference on Recent Advances in Mathematical Sciences with Applications in Engineering and Technology (IC-RA-MSA-ET- 2022) held during 16.06.2022 to 18.06.2022, jointly organized by the SCIS JNU, New Delhi and Vijnana Parishad of India.
8. Delivered invited Lecture on “Emerging Trends in Applied Mathematics”, under AICTE Training and Learning (ATAL) Academy’ FDP organized by Dayananda Sagar College of Engineering held during 06-12-2021 to 10-12-2021.
9. Delivered invited Lecture on Dynamic Task Allocation in Distributed Systems at 27th International Conference on Recent Advances in Mathematics & Computational Optimizations (RAMCO 2021) held during 26.10.2021 to 28.10.2021, jointly organized by the SCIS JNU, New Delhi and International Academy of Physical Sciences.
10. Delivered invited Lecture on Vedic Prescriptive of Modern Indian Mathematics at International Conference on Emerging Trends in Vedic Mathematics & Applications in Science, Technology and Social Sciences Research held during 16.08.2020 to 17.08.2020, jointly organized by the Special Centre for E- Learning (SCEL), JNU, New Delhi on 16.08.2020.
11. Delivered lecture on National Education Policy 2020 and Indian Languages at the webinar on Aspects of New Education Policy and Challenges for its Implementation during COVID 19 period hosted by Vishwabharti University, Shantiniketan, West Bengal, on 10-08-2020 during 11:30 AM to 01:00 PM.
12. Delivered lecture on National Education Policy 2020 and Indian Languages at the webinar on Aspects of New Education Policy and Challenges for its Implementation during COVID 19 period jointly hosted by SRADSTA, Divya Himgiri, and IGSi Dehradun Chapter, Dehradun on 08-08-2020 during 04:00 PM to 07:00 PM.
13. Delivered invited Lecture on Performance Analysis of Distributed System at International Conference on Recent trends in Mathematics and its Applications to Graphs, Networks and Petri Nets during 20.07.2020 to 24.07.2020, jointly organized by the SCIS, JNU, Delhi and VPI on 21.07.2020.
14. Delivered Invited lecture for the Ph.D. Scholars on Research Methodology Part-2 on 03.05.2020 during 03.30-05.00pm at Bundelkhand University, Jhansi
15. Delivered Invited lecture for the Ph.D. Scholars on Research Methodology Part-1 on 30.04.2020 during 04-05p.30m at Bundelkhand University, Jhansi
16. An invited talk on, “Optimal Assignment of Tasks to the Distributed Computing System”, delivered at International Conference on Advances in Physical, Chemical & Mathematical Sciences (ICAPCM 2020)

- held at RTM Nagpur University, Nagpur, during 13-16 February 2020.
17. An invited talk on, "Task Assignment for Distributed System", delivered at 25th International Conference (CONIAPS XXV) on Physical and Biological Sciences at Cross - Roads: Interdisciplinary Explorations and Exciting Challenges held at Guru Jambheshwar University of Science & Technology, Hissar, during 29-31 December 2019.
 18. An invited talk on, "Task Assignment for Distributed Computing System", delivered at International Conference and 22nd Annual Convention of VPI on Advances in Operations Research, Statistics and Mathematics (AOSM 2019) held at Birla Institute of Technology & Sciences, Pilani, Pilani Campus, during 28-30 December 2019.
 19. An invited talk on, "Task Assignment for Distributed System", delivered at 24th International Conference of International Academy of Physical Sciences (CONIAPS-XXIV) on Innovation in Physical Sciences held at CCS University, Meerut, during 09-11-August 2019.
 20. An invited talk to deliver Prof J N Kapur Memorial Lecture on, "Task Assignment for Distributed System" at 21st Annual Conference of VPI held at SRMIST, Delhi NCR Campus, Modinagar, Ghaziabad, during April 26-28, 2019.
 21. An invited lecture on "Evolving Scientific and Technical Terminology", at 5th Refresher Course in Contemporary Studies (Interdisciplinary) held at the UGC Human Resource Development Centre, Jawaharlal Nehru University, Delhi on 09 January 2019 (during 03:45 AM to 05:15 PM).
 22. An invited lecture on "Real World Modeling", at 5th Refresher Course in Contemporary Studies (Interdisciplinary) held at the UGC Human Resource Development Centre, Jawaharlal Nehru University, Delhi on 15 January 2019 (during 11:30 AM to 01:00 PM).
 23. An invited Lecture delivered on "Digitization of Terminology", at Information Explosion and the 21st Century Youth: Prospects and Challenges held at Km. Mayawati Govt. Girls PG College Badalpur, Gautam Budha Nagar on 21 Jan 2019.
 24. An invited lecture on "Knowledge Vs Language", at 3-Week Refresher Course in E-learning and Digital Learning held at the Centre for Professional Development in Higher Education (CPDHE), UGC-HRDC, University of Delhi, Delhi on 25 September 2017.
 25. An invited Lecture delivered on, "Performance Enhancement of Distributed Systems Using Static and Dynamic Load Sharing Schemes", at the International Conference on Recent Trends in Operations Research and Statistics held at Department of Mathematics, IIT Roorkee during December 28-30, 2017.
 26. An invited Lecture delivered on "Real World Modeling" at National Science Day program held at Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur on 11 April 2017.
 27. An invited talk on, "Resource Management in Distributed System", delivered at 20th International Conference of IAPS on Recent Advances in Physical Sciences and Future Challenges held at Osmania University, Hyderabad during July 14-16, 2017.
 28. An invited talk on, "Modern Trends in Pure Mathematics-Relevance of Mathematical Modeling in real Life", delivered at UGC Sponsored National Conference held at Andhra Loyala College, Vijayawada during 14-15 July 2017 (15.07.2017).
 29. An invited talk on "High Speed Networking and Information", delivered at 11th International Conference on Computing for Sustainable Development held at BVICAM, New Delhi on March 02, 2017.
 30. An invited talk on "Role of ICT in Precambrians Era", delivered at National Conference & Field Workshop on Precambrians of India held at Department of Geology, Bundelkhand university, Jhansi and the Society of Earth Scientists during 22-24, November 2016.
 31. An invited talk on "Relevance of Mathematical Modeling", delivered at National Seminar on Next Generation and Challenges of Education, Health and Environment held at Govt. Maharaja Autonomous PG College, Chhatarpur during 4-5 March 2016.
 32. An invited talk entitled, "Research Methodology: An Overview", delivered at two weeks FDP (11-26 Jan 2016) held at CSM Kanpur University, Kanpur on 17-01-2016.
 33. An invited talk entitled, "Integer Programming: An Overview", delivered at one-week STTP on Application of Optimization Techniques for Engineering & Technology (under TEQIP -II) held at MITS Gwalior during Nov. 23-27, 2015.
 34. An invited talk entitled, "Relevance of Modeling in Real Life Problems" delivered at National Conference on Advances in Mathematical Sciences and Its Applications held at DDU University, Gorakhpur during Feb. 20-21, 2015.
 35. An invited talk entitled, "Tasks Assignment for Distributed Real Time Systems" delivered at International Conference on Optimization and Simulation held at DAV PG College, Jahlandhar Feb. 19-21, 2015.

36. An invited talk entitled, "Distributed Computing and Network" delivered at National Symposium on Distributed Computing and Network Communication held at Govt. NPG College of Science, Raipur (CG) on Jan. 30, 2015.
37. An invited talk entitled, "Distribution of Task over Distributed Real Time Systems" delivered at National Conference on Advances in Mathematical Applications for Engineering & Technology (under TEQIP Phase –II) held at MITS Gwalior during Dec. 20-21, 2014.
38. An invited talk entitled, "Performance Analysis of the Distributed Real Time Systems under Static and Dynamic Load Sharing Schemes", delivered at International Conference in Conjunction with 47th Annual Convention of ORSI held at S V University, Triupati during 01-03 Dec. 2014.
39. A Talk entitled, "Tasks Management in Distributed Systems" delivered at 2nd National Conference on Application of Mathematics in Science, Technology & Management held at SRMCET Bareilly on Jan. 24-25, 2014.
40. Delivered Invited Lecture entitled, "Cryptography and its Algorithms", at Govt. PG College, Shadol, MP on 06 April 2013.
41. Delivered Invited Lecture entitled, "Distributed Systems and Cloud Computing", at Sarada Devi Degree College, Jhansi on Dec. 06, 2012.
42. Delivered Prof. J. N. Kapur Memorial Lecture entitled, "Real World Modeling and its Applications", at Department of Mathematics, IBS, Dr. BRA University, Agra on Nov. 10, 2012.
43. A Talk entitled, "Task Assignment Management for Distributed Systems" delivered at Govt PG College, Ujjain on Feb. 29, 2012.
44. A Talk entitled, "Task Management for Distributed Real Time Systems" delivered at Hindustan College, Agra on Nov. 08, 2008.
45. A Talk entitled, "Resource Management in Distributed Systems" delivered at National Conference on Application of Mathematics in Science, Technology & Management held at SRMCET Bareilly on Sept. 06-07, 2008.
46. A Talk entitled, "Task Management for Distributed Systems" delivered at National Seminar on Data Warehousing and Data Mining held at IPEM Ghaziabad on April. 26, 2008.
47. A Talk entitled, "Modeling and its relevance to Real Life Situations" delivered at National Seminar on Application of Mathematics in Engineering & Technology held at MITS Gwalior during Feb. 02-03, 2008.
48. A Talk entitled, "Modeling and its relevance to Society" delivered at National Seminar on Applied Application of Physics, Chemistry & Mathematics in Society on 05-10-2008, held at Govt. Maharaja College, Chhatarpur.

Chief Guest / Guest of Honor:

1. Delivered Lecture as Guest of Honor at the inaugural Function of International Conference on Emerging Trends in Vedic Mathematics & Applications in Science, Technology and Social Sciences Research held during 16.08.2020 to 17.08.2020, jointly organized by the Special Centre for E- Learning (SCEL), JNU, New Delhi on 16.08.2020.
2. Delivered Lecture as Guest of Honor at the valedictory Function of International Conference on Recent trends in Mathematics and its Applications to Graphs, Networks and Petri Nets during 20.07.2020 to 24.07.2020, jointly organized by the SCIS, JNU, Delhi and VPI on 24.07.2020.
3. Delivered Lecture as Guest of Honor at the inaugural Function of International Conference on Recent trends in Mathematics and its Applications to Graphs, Networks and Petri Nets during 20.07.2020 to 24.07.2020, jointly organized by the SCIS, JNU, Delhi and VPI on 20.07.2020.
4. Delivered Lecture as Chief Guest at the inaugural Function of International Webinar Series during 20.06.2020 to 27.06.2020, in Chemistry, Physics, Environmental Sciences and Mathematics organized by the Department of Applied Sciences, KIET Group of Institution on 20.06.2020.
5. Special Guest at the Valedictory Function of the International Conference on Advances in Physical, Chemical & Mathematical Sciences (ICAPCM 2020) held at RTM Nagpur University, Nagpur, during 13-16 February 2020.
6. Chief Guest at the Inaugural Function of the International Conference and 22nd Annual Convention of VPI on Advances in Operations Research, Statistics and Mathematics (AOSM 2019) held at Birla Institute of Technology & Sciences, Pilani, Pilani Campus, during 28-30 December 2019.
7. Special Guest of Honor at 21st Annual Conference of VPI held at SRMIST, Delhi NCR Campus, Modinagar, Ghaziabad, during April 26-28, 2019.

8. Guest of Honor at the National Science Day 2017 on 11.04.2017 at RTM Nagpur University, Nagpur and delivered a Popular Talk on Mathematical Modeling in Real World.
9. Special Guest of Honor at the Valedictory Program of National Workshop on Basic level of Manuscriptology and Palaeography on 24.03.2017 at Visva-Bharati, Santiniketan, West Bengal.
10. Chief Guest at National Seminar on the Linguistic Speculations in Indian Traditions on 28.03.2017 organized by South Campus, Delhi University, Delhi.
11. Guest of Honor at the Inaugural function of the National Symposium on Distributed Computing and Network Communication held at Govt. NPG College of Science, Raipur (CG) on Jan. 30, 2015.
12. Guest of Honor at the Valedictory function of the 2nd National Conference on Application of Mathematics in Science, Technology & Management held at SRMCET Bareilly on Jan. 24-25, 2014.

Session Chair:

1. Chaired a Plenary Session on OLAB ORSI at Heritage Institute of Technology, Kolkata during 15-17 Dec 2022.
2. Chaired a Plenary technical Session on International Conference on Emerging Trends in Vedic Mathematics & Applications in Science, Technology and Social Sciences Research held during 16.08.2020 to 17.08.2020, jointly organized by the Special Centre for E- Learning (SCEL), JNU, New Delhi on 16.08.2020.
3. Chaired a Plenary technical Session on International Conference on Recent trends in Mathematics and its Applications to Graphs, Networks and Petri Nets held during 20.07.2020 to 24.07.2020, jointly organized by the SCIS, JNU, Delhi and VPI on 21.07.2020.
4. Chaired a Technical session on in 2020 International Conference on Computational Performance Evaluation (ComPE), held at North-Eastern Hill University, Shillong, Meghalaya, India. during Jul 2-4, 2020
5. Chaired a Plenary Technical session of the International Conference on Advances in Physical, Chemical & Mathematical Sciences (ICAPCM 2020) held at RTM Nagpur University, Nagpur, during 13-16 February 2020.
6. Chaired a technical session of the 25th International Conference (CONIAPS XXV) on Physical and Biological Sciences at Cross - Roads: Interdisciplinary Explorations and Exciting Challenges held at Guru Jambheshwar University of Science & Technology, Hissar, during 29-31 December 2019.
7. Chaired a technical session of the International Conference and 22nd Annual Convention of VPI on Advances in Operations Research, Statistics and Mathematics (AOSM 2019) held at Birla Institute of Technology & Sciences, Pilani, Pilani Campus, during 28-30 December 2019.
8. Chaired a technical session of the 52nd Annual Convention of Operations Research Society of India (ORSI) and International Conference, 2019 held at IIM Ahmedabad during 15-18 Dec 2019.
9. Chaired a technical session of the 21st Annual Conference of VPI held at SRMIST, Delhi NCR Campus, Modinagar, Ghaziabad, during April 26-28, 2019.
10. Chaired a technical session of the 13th INDIACom and 6th International Conference on Computing for Sustainable Development held at BVICAM, New Delhi on March 14, 2019.
11. Chaired a technical session of the International Conference in conjunction with ORSI 51st Annual Convention held at IIT Mumbai, India during Dec. 16-19, 2018.
12. Chaired a technical session at 11th Triennial Conference of Association of Asia Pacific Operational Research Societies (APORS 2018) held at Kathmandu, Nepal during 06-09 August 2018.
13. Chaired a technical session of the 12th INDIACom and 5th International Conference on Computing for Sustainable Development held at BVICAM, New Delhi on March 15, 2018.
14. Chaired a technical session of the International Conference on Advancing Frontiers in Operations Research: Towards a Sustainable World (AFOR-2017) in conjunction with Dimond Jubilee as well as the 50th Annual Convention held at Heritage Institute of Technol, Kolkata, India during Dec. 21-23, 2017.
15. Chaired a technical session of the 11th INDIACom and 4th International Conference on Computing for Sustainable Development held at BVICAM, New Delhi on March 02, 2017.
16. Chaired a technical session of the International Conference on Analytics in Operational research in Conjunction with 49th Annual Convention of ORSI held at Birla Institute of Management Technology, Greater Noida, NCR, India during 12-14 Dec. 2016.
17. Chaired a technical session of the 1st International Conference on Frontiers in Optimization: Theory and Applications (FOTA-2016) held at Heritage Institute of Technology, Kolkata, India during Nov. 24-26, 2016.
18. Chaired a technical session of the 2nd International Conference on Web Research (ICWR 2016) held at University of Science and Culture, Tehran, Iran during April 27-28, 2016.

19. Chaired a technical session of the 10th INDIACom and 3rd International Conference on Computing for Sustainable Development held at BVICAM, New Delhi on March 17, 2016.
20. Chaired a technical session of the International Conference in Conjunction with 47th Annual Convention of ORSI held at S V University, Triupati during 01-03 Dec. 2014.
21. Chaired a technical session of the 16th Conference of the International Academy of Physical Sciences held at Jabalpur from March 20-22, 2014.
22. Chaired a technical session of the 8th International Conference on Computing for Sustainable Development held at BVICAM, New Delhi on March 07, 2014.
23. Chaired two technical sessions of the 2nd National Conference on Application of Mathematics in Science, Technology & Management held at SRMCET Bareilly on Sept. 24-25, 2014.
24. Chaired a technical session of the National Conference on Analysis and its Applications held at Govt. PG College, Ujjain on Feb. 28, 2012.
25. Chaired a technical session of the 6th National Conference on Computing for Nation Development held at BVICAM, New Delhi on Feb. 23, 2012.
26. Chaired a technical session of the National Conference held at Hindustan College, Agra from Nov. 08, 2008.
27. Chaired a technical session of the National Conference on Application of Mathematics in Science, Technology & Management held at SRMCET Bareilly on Sept. 06-07, 2008.
28. Chaired a technical session of the Ninth Conference of the International Academy of Physical Sciences held at Agra from Feb. 03-05, 2007.
29. Chaired a technical session of the 3rd International Conference on Quality Reliability and Infocom Technology held at INSA, New Delhi from Dec. 1-3, 2006.
30. Chaired a technical session of the Eight Conference of the International Academy of Physical Sciences held at Meerut from Dec. 29-31, 2005.
31. Chaired a technical session of the International Conference of O. R. S. I. held at I. I. M., Ahmedabad from Jan. 08-11, 2005.
32. Chaired a technical session of the Seventh Conference of the International Academy of Physical Sciences held at Allahabad from Dec. 21-23, 2004.



(Professor Avanish Kumar)

Date: April 02, 2023

Place: Jhansi