

RESUME

Dr. CHANDRA BHAN VISHWAKARMA

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Harcourt Butler Technical University (HBTU)
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Personal Profile:

Father's Name : Late Sh. R.P. Vishwakarma

Date of Birth : 16th April 1975

Marital Status : Married

Nationality : Indian

Current Job: Working as Professor in Electrical Engineering Department of H.B.T.U, Kanpur from 28.06.2025 (Through Carrier Advancement Scheme, Letter No. 1703/ADMN/OTTAC/CAS/2026, dated: 01-2-2026)

Educational Qualifications

Qualifications	Institute	Specialization	Year of passing	Division
PhD	Indian Institute of Technology Roorkee	Model Order Reduction and Controller Design	9 th July 2010	Not Applicable
M.Tech	Indian Institute of Technology Roorkee	System Engineering and Operation Research (EE)	2002	First
B.E.	University of Roorkee (IITR)	Electrical Engineering	1998	First
12 th	Rastriya Inter College, Kanpur	PCM, English	1991	First
10 th	Rastriya Inter College, Kanpur	Maths, Science, Hindi, English	1989	First

Working Experience

Designation	College/Univ.	Department	Date of Joining	Date of Leaving
Lecturer	College of Engineering Roorkee	Electrical Engineering	14 th March 2002	13 th May 2003
Assistant Professor	FET, Gurukul Kangri University, Haridwar	Electrical Engineering	14 th May 2003	4 th July 2011
Associate Professor	Galgotias College of Engineering & Tech., Greater Noida	Electrical Engineering	5 th July 2011	6 th Sept 2016
Assistant Professor	School of Engineering, Gautam Buddha University,, Greater Noida	Electrical Engineering	7 th Sept 2016	27 th June 2022

Associate Professor	Harcourt Butler Technical University (HBTU), Kanpur	Electrical Engineering	28 th June 2022	27 th June 2025
Professor	Harcourt Butler Technical University (HBTU), Kanpur	Electrical Engineering	28 th June 2025	Till date

Detail of PhD Supervision

PhD Scholar	Topic of Research	University Name	Date of RDC	Date of Completion
Jay Singh	Model Order Reduction for Power Systems Control	Indian School of Mines, Dhanbad	July 2012, Submission date: Dec 2015	Feb 2016
Abha Kumari 17/PhD/Engg/003	Order Reduction Of Linear Dynamic Systems for Controller Design	EED, SOE Gautam Buddha University, Greater Noida	22 July 2019	On March 12, 2022 Final Viva-Voce completed successfully.
Shikha Tyagi MUR1201053	Dynamic System Simplification Methods and Their Application	Mewar University, Rajasthan	14-08-2012	On June 10, 2024, Final Viva-Voce completed successfully.
Namrta Sharma MUR1201047	Large-Scale System Simplification Methods in Frequency Domain and Their Application	Mewar University, Rajasthan	14-08-2012	On August 17, 2024, Final Viva-Voce completed successfully.
Deepa Kumari 20/PhD/Engg./EE/003	Development of Order Reduction Methods for Linear Continuous-time and Discrete-time systems	EED, School of Engineering, Gautam Buddha University, Greater Noida	08 March-2022 (RDC conducted)	On Feb 19, 2026, Final Viva-Voce completed successfully.
Arun Singh Rana 20/PhD/Engg/EE/002	Design of Controllers for Load frequency Control (LFC) of Power system models and their performance analysis	EED, School of Engineering, Gautam Buddha University, Greater Noida	08 March-2022 (RDC conducted)	-----
Abhishek Singh 213/DEE/003	State of Charge Estimation of Electric Buses using advanced machine learning algorithms	EED, School of Engineering, Gautam Buddha University, Greater Noida	21 November-2022 (RDC Conducted)	-----
Lokendra Kumar (Part-Time) 230305001	Broad Area: Control System	HBTU, Kanpur	16-08-2023	----

Research Interest

- Model Order Reduction of linear and nonlinear dynamic systems.
- Controller Design: PID, Fuzzy, Neuro-Fuzzy, MPC, PLC, IMC, etc.

Administrative Responsibilities

- 1) In-Charge HEAD, Electrical Engineering Department at Gurukul Kangri University, Haridwar from May 2003 to July 2011
- 2) Member of Proctorial Board at Gurukul Kangri University, Haridwar
- 3) Head-EE Department at Galgotias College of Engineering & Technology, Gr. Noida from July 2011 to Sept 2016
- 4) In-Charge Assistant Registrar (Examinations) at Gautam Buddha University, Greater Noida from 23 June 2020 to 27.06.2022

Departmental /Other Responsibilities

- 1) Time-Table Coordinator of EE Department at GBU, Gr. Noida from 2017
- 2) School Maintenance In-Charge of SOE at GBU, Gr. Noida from 2017 to 2020.
- 3) University Exam Committee Member, GBU, Gr. Noida from 2017
- 4) Prof. Lab. In-charge of Electrical Technology Lab at GBU from 2016
- 5) Prof. Lab. In-charge of Electrical Machines Lab at GBU from 2017 to 2020
- 6) Prof. Lab. In-charge of Electrical Measurements Lab at GBU from 2017 to 2020
- 7) Prof. Lab. In-charge of EDC lab from 2020
- 8) Coordinator of Academic Audit of EE department of HBTU held on 29.08.2022
- 9) Member of NAAC committee of Criterion 2.4 of HBTU, Kanpur.
- 10) Departmental NBA Coordinator, HBTU. (Letter no. 3/81/EED/2023)
- 11) Member of Mentor-Mentee Committee (Even 2022-23) (Ref., dated: 07/05/2023)
- 12) Member of Chemical new building (Ref. 2308/adm/GA/Vividg/2023, 15.03.2023)
- 13) Duty for Document verification for MCA -2022 (Ref 602../2022, Dated: 21-09-22)
- 14) Convener of Physical verification ME dept (Ref 2300.../2023, Dated: 04-03-23)
- 15) PG Coordinator –EE (Ref. 3/81/EED/2023, 14-06-2023)
- 16) Member of Anurakhsan Anubhag (Ref 462/CED/23, 18-08-2023)
- 17) Member of banner committee of Convocation (2023) (Ref 544../23-24) 23Aug, 23.
- 18) NBA Criterion-5 coordinator (07/EED/2023, Dated: 25-10-23)
- 19) Member of banner committee of Convocation (2024)
- 20) Mentor – B.Tech (Group-16) Admitted Students. Aug 2024

- 21) Member of banner committee of Convocation (2025) , Ref. 502../2025, 20-8-2025
- 22) Nodal office of Incubation HBTU, Kanpur, July 2025 (Ref 639/.../2025), 14-8-25
- 23) Mentor – B.Tech (Group-16) Admitted Students. Aug 2025
- 24) Unfair means committee (Ref. 1263/coe/2025), 22-12-2025
- 25) Photography Committee – Alumni Meet- 2025 (Ref 1228../2025), 21-11-2025

Details of M.Tech Dissertations Supervised

- 1) Anil Chahar (12/IEE/008), May 2017, **Load Frequency Control VIA Internal Model Control (IMC) schemes**, EE Department, GBU, Greater Noida.
- 2) Yashwant Yadav (12/IEE/030), May 2017, **Design and Performance Comparison of Various Controllers for DC-Servomotor Control**, EE Department, GBU, Greater Noida.
- 3) Ekta Gautam (16/PPS/002), May 2018, **Load Frequency Control of Single Area Power System Through Various Controllers**, EE Department, GBU, Greater Noida.
- 4) Rajesh Kumar (16/PPS/009), May 2018, **Grid-Connected PV-Wind-Battery based Bidirectional DC-DC Converter for Domestic Applications**, EE Department, GBU Greater Noida.
- 5) Rahul Padey (13/IEE/027), May 2018, **Internal Model Control Schemes for Load Frequency Control of Single-Area Power System**, EE Department, GBU Greater Noida.
- 6) Vishal Kumar (11/IEE/120), May 2018, **Energy Audit of Gautam Buddha University**, EE Department, GBU Greater Noida.
- 7) Grijesh Kumar (13/IEE/012), May 2018, **Design and Performance Comparison of Various Controllers for Speed Control of DC Motor**, EE Department, GBU Greater Noida.
- 8) Sushant Shekhar (13/IEE/040), May 2018, **Brain Tumor Segmentation and Detection From MRI using Convolution Neural Network and wavelet Transform Technique**, EE Department, GBU Greater Noida.
- 9) Tripti Kunj (16/PPS/006), May 2018, **Transmission Line Fault Identification and Classification using wavelet energy information based ANN and ANFIS Technique**, EE Department, GBU Greater Noida.
- 10) Gaurav Kumar (13/IEE/011), May 2019, **Electric Power Generation using Speed Breakers**, EE Department, GBU Greater Noida.
- 11) Harsh Vardhan Chaudhary (14/IEE/016), May 2019, **Controller Design for Two Tank Liquid Level System**, EE Department, GBU Greater Noida.
- 12) Shubham Kumar (14/IEE/043), May 2019, **Speed and Position Control of DC motor using compensation**, EE Department, GBU Greater Noida.
- 13) Vishwa Vikash (14/IEE/055), **Analysis and Design of Wind farm for Grid Application**, EE Department, GBU Greater Noida.
- 14) Lalit Chaudhary (13/IEE/015), May 2019, **Optimal PID Tuning for Speed and Position Control of DC Motor**, EE Department, GBU Greater Noida.
- 15) Deepansh Pathak (13/IEE/009), May 2019, **Model Order Reduction in Frequency domain for Controller Design**, EE Department, GBU Greater Noida.
- 16) Vivek Kumar Dwivedi (14/IEE/056), May 2019, **Power Factor Correction of BLDC Motor using LUO Converter**, EE Department, GBU Greater Noida.
- 17) Neeraj Kumar (15/IEE/026), May 2020, **Controller Design for three tank liquid level system**, EE Department, GBU Greater Noida.
- 18) Pradeep Kumar (15/IEE/064), June 2020, **Design of single phase transformer through different optimization techniques**, GBU Greater Noida.
- 19) Yeshvendra Singh (14/IEE/060), May 2020, **Design of Power System Stabilizer**, GBU, Greater Noida.
- 20) Chetan Chauhan (15/IEE/016), June 2020, **Controller Design for load frequency control of single area/two area power system**, GBU Greater Noida.
- 21) Sourabh Pratyay (15/IEE/049), June 2020, **IMC Based PID Controller Design for an approximated process model and its analysis using modified pole clustering**, Greater Noida.

- 22) Aishwarya Shekhar (15/IEE/003), June 2020, **Simulation and Performance comparison of regenerative braking and eddy current braking system of DC motor**, GBU, Greater Noida.
- 23) Balendu Shekhar Priyadarshi (15/IEE/061), June 2020, **Speed Control of DC servo motor using PID controller Ziegler-Nichols method**, GBU, Greater Noida.
- 24) Saahil Chauhan (15/IEE/040), June 2020, **Load frequency Control using compensator**, GBU Greater Noida.
- 25) Anil Kumar Yadav (15/IEE/010), June 2020, **Model order reduction of linear systems in frequency domain**, GBU Greater Noida.
- 26) Anjali Bhati (16/IEE/007), June 2021, **Controller Design using Reduced Order Modeling**, GBU, Greater Noida.
- 27) Prashant Singh (16/IEE/040), June 2021, **Energy Management Systems for a hybrid Electric Source**, GBU, Greater Noida.
- 28) Annu Pal (16/IEE/013), June 2021, **Design of Model Predictive Control for frequency control of single area power system**, GBU, Greater Noida.
- 29) Smiriti Gautam (16/IEE/055), June 2021, **Control System Design for MIMO system using IMC**, GBU, Greater Noida.
- 30) Manish Rai (16/IEE/029), June 2021, **Simulation and Dynamic control of distillation column**, GBU, Greater Noida.
- 31) Abhishek Kumar (16/IEE/002), June 2021, **Password Based ON-OFF Controller for Circuit**, GBU, Greater Noida.
- 32) Nikhil Singh (20/PPS/001), June 2022, **Device Simulation of a Lead-Free PEROVSKITE-CIGS Tandem solar cell with 25.2% power conversion efficiency**, GBU, Greater Noida.
- 33) Md. Samdani Reza (17/IEE/041), June 2022, **Speed Control of DC Servo motor using PID Controller based Matlab**, GBU, Greater Noida.
- 34) Prashant Singh (17/IEE/024), June 2022, **Order Reduction methods in frequency domain**, GBU, Greater Noida.
- 35) Aryan Yadav (17/IEE/012), June 2022, **High Tech automated Bottling process for small to medium scale enterprises using PLC & SCADA**, GBU, Greater Noida.
- 36) Mohit Nagar (17/IEE 020), June 2022, **Fractional order modelling for SISO systems and Controller design**, GBU, Greater Noida.
- 37) Mohit Gautam (16/IEE/031), June 2022, **Various methods for speed control of DC motor**, GBU, Greater Noida.
- 38) Mohit Kumar (17/IEE/019), June 2022, **Design and Control of liquid level in a tank using PLC and SCADA**, GBU, Greater Noida.
- 39) Aman Kumar Singh (17/IEE/007), June 2022, **Control of magnetic levitation system**, GBU, Greater Noida.
- 40) Atul Kumar Prajapati (16/IEE/015), June 2021, **Design and Simulation of fast charging controller for PHEV**, GBU, Greater Noida.
- 41) *Ajeet (M.Tech-EE)- Dissertation work in progress, EED, HBTU, Kanpur*
- 42) *Shashank Bhadauria (M.Tech-EE)- Dissertation work in progress, EED, HBTU, Kanpur*

Guidance of B.Tech Projects in HBTU, Kanpur

- 1) SOM Kumar (190105037), Anuj Dixit (190105005), Ashish Kushwaha (190105011), **Design and performance comparison of various controllers for automatic voltage regulator (AVR)**, EED-HBTU, Kanpur, **June 2023**.
- 2) Abhishek Tiwari (200105007), Prateek Pandey (200105039), Ranjeet Gupta (200105041), Sachin Maurya (200105044), **Pole Clustering Based Reduced Order Modelling for Controller Design**, EED-HBTU, Kanpur, **May 2024**.
- 3) Ayush Shandilya (200105021), Parul Verma (200105035), Aayush Gupta (200109010), Raman Patel (200111032), **Controller Design for Load Frequency Control**, EED-HBTU, Kanpur, **May 2024**.
- 4) Mohit Kumar (200105031), Navneet Kumar Yadav (200105033), Dhruv Tyagi (200105065), Siddhant Singh (200105078), **Liquid Level Control using Programmable Logic Controller (PLC)**, EED-HBTU, Kanpur, **May 2024**.

- 5) Aryan Pandey (210105021), Piyush Dwivedi (210105044), Tanishk Sharma (210105066), **Design of PID and MPC controller for Automatic Generation Control**, EED-HBTU, Kanpur, **May 2025**.
- 6) Adarsh Tiwari (210112006), Shreyansh Verma (210105059), Tanishque Pandey (210105067), **Design Internal Model Control for Dynamic Systems and Its Performance Comparison**, EED-HBTU, Kanpur, **May 2025**.

Short Term Courses/FDP attended

- 1) STC on **Soft Computing** from 27/03/2006 to 31/03/2006 at FET, GKV, Haridwar.
- 2) STC on **Renewable Energy Based Technologies** from 12/06/2006 to 16/06/2006 at NITTTR, Chandigarh.
- 3) STC on **MATAB** from 25/09/2006 to 29/09/2006 at NITTTR, Chandigarh.
- 4) STC on **Artificial Neural Networks & Fuzzy Logic** from 27/11/2006 to 1/12/2006 at NITTTR, Chandigarh.
- 5) STC on **Development of multimedia learning materials** from 26/05/2008 to 29/05/2008 at GKV, Haridwar.
- 6) STC on **Advanced Antenna Engg. Through Experimentation** from 09/02/2009 to 20/02/2009 at FET, GKV, Haridwar.
- 7) An Orientation course attended in Punjab University Chandigarh from 1/12/2007 to 28/12/2007.
- 8) FDP on Renewable Energy and Smart Micro-Grids attended from 13-17th March 2019, GBU, Greater Noida.
- 9) Participated One week online short term program on **Recent trends in modelling and control of dynamical systems (RTMCDS-2023)** organised by EED of NIT Rourkela from June 23-27, 2023.
- 10) Participated in one week ATAL FDP on Inculcating Universal Human Values in Technical Education, during **03-07Jul 2023**.
- 11) Participated in one week FDP on **Recent trends in Artificial Intelligence** organized by Bhupal Nobles University Udaipur, during **22 -27 January 2024**.
- 12) Participated in one week FDP on **Generative AI** organized by Dr. D.Y. Patil College of Engineering & Technology & Innovation, Pune, during **01-06 April 2024**.
- 13) Participated in one week FDP on **Advanced Pedagogical Learning and University Administration** organized by Harcourt Butler Technical University Kanpur, From **May 27 – June 01, 2024**.
- 14) Participated in FDP on **Advanced Tools and techniques for Research Methodology** organized by Research Foundation of India, from **03-13 Feb, 2025**.
- 15) Participated in FDP on **How to write PhD Research Thesis (Concept for multidisciplinary subject)** organized by Research Foundation of India, from **17-22 Nov, 2025**.

STTP/ Workshop /Seminar/ Webinar /Industrial Visit Organized

- 1) An expert lecturer on **Industrial Automation** by **Onetech Automation Pvt. Ltd.**, is conducted on **12.04.2012** in the Department of EE/ICE of Galgotias College of Engineering & Technology.
- 2) Workshop on **PLC SCADA and Robotics** is organized in the department of EE/ICE of Galgotias College of Engineering & Technology on **01.10.2012**, which is conducted by CETPA Info Tech Pvt. Ltd., New Delhi.
- 3) Workshop on **MATLAB** is organized in the department of EE/ICE of Galgotias College of Engineering & Technology on **15.10.2012**, which is conducted by Aedifico Tech Pvt. Ltd, New Delhi.
- 4) One Day Workshop on **MATLAB (Programming & Simulation)** is organized in EE Department of Galgotias college of Engineering & Technology on 27.08.2013, which is conducted by CETPA Info Tech Pvt. Ltd., New Delhi.
- 5) Two Day Matrix Automation by CETPA Info Tech Pvt Ltd is conducted in the GCET on 3 and 4th Sept. 2015, which was organized by Synergy Group of the Students.
- 6) One day workshop on **MATLAB/Automation** was organized/coordinated in EE department of GCET, Gr. Noida by CETPA Info Tech Pvt Ltd, Noida on 10.02.2016.
- 7) One day workshop on **MATLAB/Automation** was organized/coordinated in EE department of GCET, Gr. Noida by CETPA Info Tech Pvt Ltd, Noida on 10.02.2016.
- 8) Industrial visit for EE students of GBU is organized on 22.01.2018 at NPCIL Narora, Uttar Pradesh.
- 9) One day workshop on **MATLAB** was organized/coordinated in EE department of GBU, Gr. Noida by CETPA Info Tech Pvt Ltd, Noida on 28-03-2018.
- 10) One day workshop on **IOT** was organized/coordinated in EE department of GBU, Gr. Noida by APTRON, Noida on 27-03-2018.
- 11) 15 days workshop on **Swachhta Pakhwada** is attended from 1-1-18 to 15-1-18 organized by NSS and DSA GBU under the direction of MHRD and UGC.
- 12) **FDP** on Renewable Energy and Micro-Grid was coordinated from 13-17th March 2019 at Gautam Buddha University, Greater Noida.
- 13) One day **Webinar** on Metamaterial Antenna is organized in EED, SOE on 30 June, 2020 at GBU, Greater Noida.
- 14) An **ElectroQuiz2020** is organized in EED, SOE, GBU, Greater Noida on 13 July 2020.
- 15) A webinar on Industrial Automation and **PLC-SCADA** is organised with collaboration of SOFCO on 07.11.2020 at SoE, GBU, Greater Noida.
- 16) One track of Webinar titled as *Next Gen. Defence Technologies* in GBU was coordinated on 20.8.2021.

- 17) One Week Short Term Training Program (STTP) on **Recent Trends in Intelligent Control and Electric Vehicles** in EED, HBTU, Kanpur from **03-08 March, 2025**.

Patent:

1. A patent titled as **A Grid integrated hybrid renewable energy system with optimal controlling of carbon emission for sustainable and Reliable solution** Date of Application: 28.10.2021.

Date of Publication: 26/11/2021

Application Number: 202111049294 A

Name of Applicant: Dr. Abhinav Saxena- JSS Academy Noida

Name of Inventor: (1) Dr. Abhinav Saxena- JSS Academy Noida

(2) Mr. Gauray Verma- REC Mainpuri, UP

(3) Dr. Aseem Chandel- REC Mainpuri, UP

(4) Mr. Nikhil Chaudhari- REC Mainpuri, UP

(5) Mr. Sachin Pachauri- RECMainpuri, UP

(6) Dr. Chandra Bhan Vishwakarma- GBU, Greater Noida

(7) Dr. Amit Kumar Sharma-GCET, Gr. Noida

Computer skills: Python, Excel, MS Office, MATLAB, etc

Languages Known: English, Hindi

Membership: AMIE Institution of Engineers, ISTE Life Member (LM 139159), Life member of IAeng (365221)

Other Information: NCC, NSS, Swakchhata Abhiyan certificates

Publications in Journals

S.N	Papers Details	Indexing Details
1	C.B. Vishwakarma , Non-bilinear Transformation Approach for Order Reduction of Discrete-time Systems based on Pole Clustering, “IETE Journal of Research, DOI: 10.1080/03772063.2026.2640974, 15 March, 2026.	SCIE, SCOPUS, ISSN: 03772063 IF=2.42
2	Deepa Kumari, Kirti Pal, C.B. Vishwakarma , “Recursive Pole Clustering technique for model order reduction using Improved Pade approximations”, African Journal of Biological Sciences, Vol.7, Issue. 5, pp. 1155-1169, May 2025.	SCOPUS ISSN: 2663-2187 IF: 2.2
3	Deepa Kumari, Kirti Pal, C.B. Vishwakarma , “A Composite Hybrid β -GA Controller and Expo-Pole Clustering for the Model-Order Reduction of the Discrete SISO/MIMO System, IETE Journal of Research, 1–26. https://doi.org/10.1080/03772063.2025.2463621 . 16 Feb, 2025.	SCIE, SCOPUS ISSN: 03772063 IF:3.3
4	Arun Rana, Omveer Singh, C.B. Vishwakarma , “A state of art of Intelligent h-HE-PO-GA Controller for the load frequency control of multi-area power system network”, Electrical Power Components and Systems (Taylor & Francis). Accepted on 14-05-2024 for Publication.	SCIE ISSN: 1532-5008 IF=1.5
5	C.B. Vishwakarma , “Implementation Issues of Industrial PID Controller and Their Remedies”, International Journal of Electrical and Computer Engineering, Vol. 18, No. 5, pp. 98-105, May 2024.	Google Scholar WASET
6	Namrta Sharma, C.B. Vishwakarma , “Applications of Simplified Dynamic Models in Control System Engineering”, Sardar Patel Institute of economic and social research- ANVESAK, Vol. 54, No. 2(1), pp.251-270, Jan- June 2024.	UGC- Care ISSN: 0378-4568
7	Shikha Tyagi, C.B. Vishwakarma , “System Simplification using New Pole Clustering Technique and Pade Approximation Method”, Journal of Management and Entrepreneurship (JMI) , Vol. 21, No. 1, Jan-March 2024.	UGC- Care ISSN:2229-5348 IF: 4.257
8	Shikha Tyagi, C.B. Vishwakarma , “Optimized dynamic system simplification methods using GA & SA”, Sardar Patel Institute of economic and social research-ANVESAK, Vol. 53, No. 1, pp.21-32, July- December 2023.	UGC-Care ISSN: 0378-4568 IF; 6.20
9	Abhishek Singh , Kirti Pal , C.B. Vishwakarma , State of Charge Estimation Techniques of Li-Ion Battery of Electric Vehicles, e-Prime - Advances in Electrical Engineering, Electronics and Energy Oct. (2023), doi: https://doi.org/10.1016/j.prime.2023.100328 [Science Direct]	SCOPUS ISSN: 2772-6711 IF: 1.5
10	Abha Kumari and C.B. Vishwakarma , “Order abatement of Linear Dynamic Systems Using Renovated Pole Clustering and Cauer Second Form Techniques”, Circuit, Systems and Signal Processing, Vol. 40, No. 9, pp. 4212-4229, DOI:10.1007/s00034-021-01673-1 , March 2021.	SCIE, SCOPUS IF:2.225 e-ISSN: 1531-5878
11	Abha Kumari, C.B. Vishwakarma , “Renovation in the modified pole clustering technique for the linear dynamic systems” IETE Journal of Research, 10 May 2021.DOI: 10.1080/03772063.2021.1920855	SCIE, SCOPUS IF:2.333 ISSN: 03772063
12	Abha Kumari, C.B. Vishwakarma , “Conventional and Evolutionary Order Reduction Techniques for Complex Systems”, International Journal of Information Technology and Web Engineering, Vol.16, Issue. 4, pp.74-98, Oct 2021	UGC-Care, SCOPUS, Web of Sci. IF: 0.6 ISSN: 1554-1045
13	Abha Kumari, C.B. Vishwakarma , “An evolutionary optimization technique for time domain modelling”, International Journal of Social Ecology and Sustainable	UGC-care, SCOPUS IF=1.08

	Development, Vol. 13, Issue. 02, article 09, March 2022.	ISSN: 1947-8402
14	Namrta Sharma, C.B. Vishwakarma , “A Hybrid approach for simplification using logarithmic approach and moment matching”, International Journal of Social Ecology and Sustainable Development, Vol. 13(2), pages 1-15, March 2022.	SCOPUS, UGC IF=1.08 ISSN: 1947-8402
15	Shikha Tyagi, C.B. Vishwakarma , “Dynamic System Simplification and Its Application”, International Journal of Engineering and Designing Innovation”, Vol. 3, Issue. 2, pp. 1-7, Feb 2021.	Google Scholar IF=0 ISSN: 25820788
16	Namrta Sharma, C.B. Vishwakarma , “Linear Dynamic System Simplification Using Genetic Algorithm”, International Journal of Engineering and Designing Innovation”, Vol. 3, Issue. 2, pp. 8-14, Feb 2021.	Google Scholar IF=0 ISSN: 25820788
17	C.B. Vishwakarma , “Simplification of MIMO Dynamic Systems using Differentiation and Caue Second Form”, International Journal of Computer Sciences and Engineering, Vol.7, Issue-6, pp. 1088-1091, June 2019 .	Google Scholar IF: 3.802 ISSN: 23472693
18	Shikha Tyagi, C.B. Vishwakarma , “Dynamic System Simplification using Rectified Logarithmic Pole Clustering Technique”, International Journal of Information Science and Computing, Vol. 5, Issue-1, pp. 29-38, June 2018.	Google Scholar IF=0 ISSN: 23487437
19	Jay Singh, Kalyan Chatterjee, C.B. Vishwakarma , “Two degree of freedom internal model control-PID design for LFC of power system via logarithmic approximations”, ISA Transactions (Elsevier), Vol.72, pp.185-196, 2018 .	SCIE IF=5.468 ISSN:00190578
20	Shikha Tyagi, C.B. Vishwakarma , “System Simplification using simplified Routh approximation method (SRAM) and factor division”, International Journal of advance research in science and engineering, Vol. 06, Issue.11, pp. 1648-1654, November 2017 .	Refereed Journal IF=0 ISSN: 23198346
21	Shikha Tyagi, C.B. Vishwakarma , “Dynamic System Simplification using Differentiation and Caue Second form”, International Journal of advance research in science and engineering, Vol. 06, Issue.10, pp.1640-1645, October 2017 .	Refereed Journal IF=0 ISSN: 23198346
22	Namrta Sharma, C.B. Vishwakarma , “A simple pole clustering technique for dynamic system simplification” International Journal of advance research in science and engineering, Vol. 06, Issue.10, pp. 1670-1676, October 2017 .	Refereed Journal IF=0 ISSN: 23198346
23	Jay Singh, Kalyan Chatterjee, C.B Vishwakarma , “Reduced Order Modelling for Linear Dynamic Systems”, AMSE Journals-2015 –Series: Advances C:, Vol. 70, No. 1, pp.71-85, 2015 .	SCI mago No Impact Factor
24	Jay Singh, C.B Vishwakarma , Kalyan Chatterjee, “Biased Reduction Method by combining Improved Modified pole Clustering and Improved Pade Approximations”, Applied Mathematical Modelling (Elsevier), Vol. 40, No. 2016, pp.1418-1426, 2015.	SCIE Impact Factor=5.129 ISSN: 0307-904X
25	C.B Vishwakarma , R. Prasad, “ Time Domain Model Order Reduction using Hankel Matrix Approach”, Journal of The Franklin Institute (Elsevier), Vol. 351, Issue. 6, pp. 3445-3456, 2014.	SCIE Impact Factor=4.504 ISSN: 0016-0032
26	C. B. Vishwakarma and R. Prasad, “MIMO System Reduction using Modified Pole Clustering and Genetic Algorithm”, Modelling and Simulation in Engineering, Hindawi Publishing Corporation, USA, Vol. 2009, Article ID 540895, 5 Pages, 2009.	SCOPUS, Web of Sci. No Impact Factor ISSN:1687-5591
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