

## CURRICULUM VITAE

### Dr. Dinesh Kumar Singh

VILL. -TAIYAPUR, POST -LAXMINAGAR  
TEH. -MAHAVAN, MATHURA, U.P-281204 INDIA

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### OBJECTIVE

After attaining theoretical knowledge, I wish to work in an institute/firm where I can use and enhance my practical skills. Furthermore, I would like to work in the research wing to enhance my knowledge using my research capabilities to serve in a better way towards my employers.

### EDUCATIONAL DETAILS

I completed **B. Tech** in 2012 with the **Electrical & Electronics Engineering** from **G.L.A Institute of Technology & Management**, Mathura (U.P.), affiliated to Gautam Buddha Technical University (GBTU), Lucknow [ Now, AKTU Lucknow].

I completed M. Tech in 2015 with the **Power System Engineering** branch from **Gautam Buddha University** Greater Noida (U.P) - 211013.

I have completed (Degree Awarded) **Ph.D** degree on 10-January-2022 with the thesis title “**Protection Schemes for Transmission and Distribution Systems with Distributed Generation**” from **Motilal Nehru National Institute of Technology (NIT)** Allahabad Prayagraj UP-211004. (Under Visvesvaraya Ph.D Scheme for Electronics & IT, Unique Awardee Number is **VISPHD-MEITY-2051/ MEITY-PHD-2051**).

DEGREE	INSTITUTE NAME/ SCHOOL NAME	BOARD/ UNIVERSITY	YEAR OF PASSING	PERCENTAGE
Ph. D. (EE)	Motilal Nehru National Institute of Technology (NIT) Allahabad, Prayagraj U. P – 211004	M. N. N. I. T ALLAHABAD	Awarded January-2022	Course Work Passed with 8.25 (CPI)
M.Tech (Power System Engg.)	School of Engineering G.B.U Greater Noida U. P – 201312	G. B. U GREATER NOIDA	2015	8.80 (CGPA) & 80.50%
B. Tech (EN/ EEE)	G. L. A Institute of Technology & Management Mathura U. P – 281406	G.B.T.U (A.K.T.U) LUCKNOW	2012	66.68 %

### PROFESSIONAL/ TECHNICAL SKILLS

**Areas of Interest:** - Switchgear & Protection, Power System & Electrical Machine

**Software & hardware skill:** - C, C++, MATLAB & VISIO

**Operating System:** - Windows XP, 7, 8, 10

### ACHIEVEMENTS/ PROFESSIONAL MEMBERSHIP/ RESEARCH ID's

- ❖ IEEE Professional Member (2021 onwards) and IEEE Student Member (2016-2020).
- ❖ IEEE-MNNIT Student Branch Chapter Chair (2019-20).
- ❖ IEEE-MNNIT Student Branch Chapter Co-chair (2018-19).
- ❖ **ORCID ID:**- <https://orcid.org/0000-0001-6922-481X>
- ❖ **SCOPUS Author ID:**- <https://www.scopus.com/authid/detail.uri?authorId=57378148000>
- ❖ **Google Scholar ID:**- [https://scholar.google.co.in/citations?user=M3Sm\\_XYAAAAJ&hl=en](https://scholar.google.co.in/citations?user=M3Sm_XYAAAAJ&hl=en)

### AWARD /HONOUR/ APPRAISAL/ REVIEWER OF JOURNALS

1. Recipient of Visvesvaraya Ph.D. Fellowship of Ministry of Electronics & Information Technology, Govt. of India (Unique Awardee Number: **VISPHD-MEITY-2051/ MEITY-PHD-2051**, from 2016 - 2021).
2. Reviewed a paper of “*Bulletin of Electrical Engineering and Informatics*” Scientific Journal, in the field of *Power System Protection*, December 2021.

## SEMINAR, TRAINING AND DISSERTATION

### ❖ COMPLETE PROJECT IN B. TECH

1. **DIRECT TORQUE CONTROL (D.T.C) OF THREE PHASE INDUCTION MOTOR BY USING “LABVIEW” and MATLAB/ SIMULINK.** (Team Size: 4).
2. Present a Seminar on “**MAGNETO HYDRO-DYNAMICS (M. H. D) POWER GENERATION**” in B. TECH.
3. Summer training on “**INDIAN OIL CORPORATION LIMITED” MATHURA (PROJECT ON THERMAL POWER STATION)**”.

### ❖ COMPLETE DISSERTATION IN M. TECH

- 1- Thesis title “**Protection of Fault in Power System using MATLAB/Simulink**”
- 2- Present a Seminar on “**LOAD MONITORING**” in M. TECH.
- 3- Mini project on “**WIND POWER GENERATION BY USING DFIG**” in M. TECH.

### ❖ THESIS TITLE FOR DOCTOR OF PHILOSOPHY (Ph.D):

- ✓ “**Protection Schemes for Transmission and Distribution Systems with Distributed Generation**”

## WORK EXPERIENCE

Sr. No.	Name of Post	Date of Joining	Date of Leaving	Name of Employer	Cons. Pay
1.	Electrical Engineer	06-July-2012	12-July-2013	Krishna Electrical Industries Limited, Gwalior, MP INDIA	Salary 25,000/-
2.	Visiting Faculty	04-August-2015	08-January-2016	MNNIT Allahabad, Prayagraj, UP INDIA	Salary 30,000/-
3.	Research Scholar	09-January-2016	16-July-2021	MNNIT Allahabad, Prayagraj, UP INDIA	Stipendiary 52,500/-
4.	Assistant Professor	25-September-2021	Till Date	SIET, Jhalwa, Prayagraj (Allahabad) UP INDIA	Salaried -----

## Conferences/ Seminar/ Workshops/ Faculty Development program etc.

1. Two days workshop on LabVIEW & its application, on 16 to 17 April 2014, at GBU Greater Noida UP India.
2. 1<sup>st</sup> International conference, Innovation Techniques in engineering & management, on 2<sup>nd</sup> May 2015, at Surya Group of Institution, Lucknow UP India.
3. Role of IEEE on probable solutions to energy and environmental problems faced by third world countries, on 4<sup>th</sup> October 2016 at Motilal Nehru National Institute of Technology Allahabad UP India.
4. IEEE region 10 Humanitarian Technology Conference 2016, on 21 to 23 December 2016, at Dayalbagh educational institute Agra UP India.
5. Global initiative of academic networks (GIAN), on 1 to 14 December 2016 (two week), at Motilal Nehru National Institute of Technology Allahabad UP India, in the course “Information Technology service management (ITSM-2016)”.
6. Global initiative of academic networks (GIAN), on 26 to 30 December 2016 (one week), at Motilal Nehru National Institute of Technology Allahabad UP India, in the course “Power System Volt/VAR Control and Voltage Stability (PSCVS-2017)”.
7. 4<sup>th</sup> International conference on power control and embedded systems, on 9 to 11 March 2017, at Motilal Nehru National Institute of Technology Allahabad UP India.
8. Acted as student coordinator in Summer Internship Program in Electrical Engineering 2017 (SIPEE-2017) on 19 June to 14 July, 2017 at Motilal Nehru National Institute of Technology Allahabad UP India,
9. Global initiative of academic networks (GIAN), on 13 to 17 November 2017 (one week), at Motilal Nehru National Institute of Technology Allahabad UP India, in the course “Integration of High Penetration of Solar and Wind Power in Power Systems: Experiences and Challenges”.
10. Five day short-term course on Modeling and Simulation of Renewable energy System, on 28<sup>th</sup> May to 1<sup>st</sup> June, 2018, at Motilal Nehru National Institute of Technology Allahabad UP India and National Institute of Technical Teachers Training and Research, Chandigarh, India
11. Acted as student coordinator in Summer Internship Program in Electrical Engineering 2018 (SIPEE-2018) on 11 June to 06 July, 2018 at Motilal Nehru National Institute of Technology Allahabad UP India.
12. Visvesvaraya Ph.D scheme for electrical & IT/ITES fourth workshop for presentation of research work, on 13 to 15 September, 2018, at Malaviya National Institute of Technology (MNIT), Jaipur, Rajasthan India.
13. 5<sup>th</sup> IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON-2018), on 02 to 04 November, 2018, at Madan Mohan Malaviya University of Technology, Gorakhpur, UP India.

14. AICTE Sponsored one week online short-term training program on integration of renewable energy sources, on 02 to 07 November, 2020, at Arya College of Engineering & IT Jaipur Rajasthan India.
15. Online short-term course on “UNPACKING E-MOBILITY TECHNOLOGIES FOR INDIA” from November 20 to 24, 2021, organized by Electrical Engineering Department, M. N. National Institute of Technology Allahabad, Prayagraj under the Scheme for Promotion of Academic and Research Collaboration (SPARC) of Ministry of Education, Govt. of India, for the project titled "E-Mobility: An Electricity Grid Perspective (P1542)".
16. Online workshop on Applications of Machine Learning in Signal, Image & Computer Vision (AMALGAM-2021), “A discussion & collaboration forum for the Academic and Industrial Researchers working in the field of Machine Learning, Deep Learning and their various applications” from December 27 to 31, 2021, conducted and organised by IEEE Young Professionals Affinity Group UP Section, IEEE Signal Processing Society UP Chapter and BTKIT Dwarahat, Uttarakhand, India.

## REFERENCES

### Prof. Asheesh Kumar Singh,

Professor, EED, Motilal Nehru National Institute of Technology (NIT) Allahabad, UP, India.  
 Email: asheesh@mnnit.ac.in  
 Contact No.:09455133600

### Dr. Soumya Ranjan Mohanty,

Associate Professor, EED, Indian Institute of Technology (IIT-BHU), Varanasi, UP, India.  
 Email: soumya.eee@iitbhu.ac.in  
 Contact No.:09554575150

## PERSONAL DETAILS

NAME : Dr. DINESH KUMAR SINGH  
 FATHER'S NAME : Mr. PHOOL SINGH  
 MOTHER'S NAME : Mrs. GEETA DEVI  
 MARITAL STATUS : MARRIED  
 LANGUAGE KNOWN : ENGLISH, HINDI  
 NATIONALITY : INDIAN  
 DATE OF BIRTH : 10/MARCH/1990

## DECLARATION

I do hereby declare that the above information furnished by me is true to the best of my knowledge and belief.

DATE:

DINESH KUMAR SINGH

PLACE:

## Thesis Supervised

### B.Tech Students

S. No.	Research Topic	Name of Student	Completion/ Registration Year
1.	Fault Detection in 3-Phase Transmission Line by using MATLAB/Simulation	Shobhit Kumar, Sunil Yadav, Sandeep Kumar Verma, Jogendra Yadav	2022
2.	Grid Connected Solar Inverter	Anurag Mishra, Sanjeev Mishra, Navnish Kumar	2022

## Publications:

- [1]. **D. K. Singh**, A. K. Singh and S. R. Mohanty, “Coordination of Dual-Setting Overcurrent and Distance Relays for Meshed Distribution Networks with DGs and DVR”, *Smart Science, Taylor & Francis*, (Accepted).
- [2]. **D. K. Singh**, “Testing of circuit breaker and over current relay implementation by using MATLAB/SIMULINK”, “*HCTL Open International Journal of Technology Innovations and Research (IJTIR)*”, vol. 14, pp. 1-13 April 2015. **e-ISSN: 2321-1814, ISBN (Print): 978-1-62951-946-3, Impact factor: 1.3972**
- [3]. **D. K. Singh**, S. K. Bhukesh and S. Singh, “Protection of Load in Electrical Power System by Using Arc Extinguish System and relay in MATLAB/SIMULINK”, “*HCTL Open International Journal of Technology*

- [4]. **D. K. Singh**, A. K. Singh, S. R. Mohanty and N. K. Singh, "Wind Power Generation by PMSG and Fault Protection Using Over-current and Differential Frequency Relay", *IEEE Region 10 Humanitarian Technology Conference (R10-HTC)*, pp. 1-6, Dec. 2016. **Electronic ISBN: 978-1-5090-4177-0, ISBN: 978-1-5090-4178-7, DOI: 10.1109/R10-HTC.2016.7906835**
- [5]. **D. K. Singh**, A. K. Singh and S. R. Mohanty, "An Adaptive Transmission Line Protection and Modelling of Numerical Distance Relay with Analog Antialiasing Filter", *IEEE International Conference on Industrial Technology (ICIT)*, pp. 388-393, March 2017. **Electronic ISBN: 978-1-5090-5320-9, ISBN: 978-1-5090-5321-6, DOI: 10.1109/ICIT.2017.7913262**
- [6]. **D. K. Singh**, A. K. Singh, S. R. Mohanty and N. K. Singh, "Novel Combined Coordination of Distance and Overcurrent Relay for a Radial Distribution System", *5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON-2018) UP India*, pp. 1-6, Nov. 2018. **Electronic ISBN: 978-1-5386-5002-8, ISBN: 978-1-5386-5003-5, DOI: 10.1109/UPCON.2018.8596946**
- [7]. K. Ask, N. K. Singh, A. K. Singh, **D. K. Singh** and K. Anand, "Design and Simulation of Smart Prepaid-Postpaid Energy Meter with Alarm and Theft Control", *5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON-2018) UP India*, pp. 1-6, Nov. 2018. **Electronic ISBN: 978-1-5386-5002-8, ISBN: 978-1-5386-5003-5, DOI: 10.1109/UPCON.2018.8596942**
- [8]. K. Anand, N. K. Singh, A. K. Singh, **D. K. Singh** and K. Ask, "Standalone Hybrid Power Generation using Photovoltaics, Battery and Biogas", *5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON-2018) UP India*, pp. 1-6, Nov. 2018. **Electronic ISBN: 978-1-5386-5002-8, ISBN: 978-1-5386-5003-5, DOI: 10.1109/UPCON.2018.8596966**
- [9]. **D. K. Singh**, A. K. Singh and S. R. Mohanty, "An Adaptive Transmission Line Protection with Numerical Distance Relay using Butterworth Fractional Order Filter and PSO", *IETE Journal of Research, Taylor & Francis*, **(Under review)**.
- [10]. **D. K. Singh**, A. K. Singh and S. R. Mohanty, "Optimal Overcurrent Relays Coordination by Symbiotic Organism Search Algorithm in Meshed Distribution Systems with DGs using Smart Meter Data", *International Transactions on Electrical Energy Systems, Wiley*, **(Under Review)**.
- [11]. **D. K. Singh**, A. K. Singh and S. R. Mohanty, "Optimal Co-ordination of Over-current Relays for Transmission Line Protection with Hybrid Distributed Generation", *19th International Conference of Industrial Technology (ICIT-2020), Lyon France*, **(Accepted)**.
- [12]. P. Kumar, K. Anand, **D. K. Singh**, N. K. Singh, and A. K. Singh, "Grid Connected Hybrid Generation using PV, Battery and Biogas," *8th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON 2021), Dehradun, Uttarakhand, INDIA*, **(Accepted)**.