

Curriculum Vitae

Hari Charan Verma

Assistant Professor
Department of Electrical Engineering
Birsa Institute of Technology, Sindri
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I. PROFESSIONAL/ INDUSTRY/ RESEARCH EXPERIENCE:

S. No.	Teaching/ Research	Name & address of employer	Post held	From	To
1.	Teaching	Birsa Institute of Technology, Sindri, Dhanbad, Jharkhand	Assistant professor	30/12/2022	Till Date
2.	Teaching	Muzaffarpur Institute of Technology, Muzaffarpur, Bihar	Assistant professor	05/01/2018	29/12/2022
3.	Research	Indian Institute of Technology (ISM) Dhanbad, Jharkhand	Senior Research Fellow	01/09/2017	31/12/2018
4.	Research	Indian Institute of Technology (ISM) Dhanbad, Jharkhand	Junior Research Fellow	01/09/2015	31/09/2017

II. EDUCATIONAL QUALIFICATION:

Exam Passed	Specilization	School/College	Board/University	Passing Year	% Marks
Ph.D	Engineering	Indian Institute of Technology (ISM), Dhanbad	Indian Institute of Technology (ISM), Dhanbad	pursuing	N/A
M.E	Power System	Delhi Technological University, Delhi	Delhi Technological University, Delhi	2015	62.60%
B.Tech	Electrical Engineering	L.N.C.T, Bhopal	Rajiv Gandhi Proudhyogiki vishwavidyalaya	2012	81.09%
ISC	Science	D.A.V Public School, Dhori	CBSE, Delhi	2006	62.60%
ICSE	-	S. S. High school Bhendra, Bokaro	Jharkhand Academic Council, Ranchi	2004	59.6%

III. PUBLICATIONS

(a) Paper published in International Journals: 04

S. No.	Title of Paper	Author(s)	Name of the Journal	Vol. & Year	Pages
1.	Dielectric frequency response at different voltage levels of mineral oil-based silica nanofluids	H. C. Verma and A. Baral	Ain Shams Engineering Journal, (Elsevier)	(Article in Press) 2022	1-10
2.	Estimation of Paper-Moisture in Transformer Insulation Employing Dielectric Spectroscopy Data	A. Kumar, H. C. Verma, A. Baral, A.K. Pradhan, S. Chakravorti	IET Science, Measurement & Technology	Vol. 12, No. 4, 2018	536-541

3.	A Method to Estimate Activation Energy of Power Transformer Insulation Using Time Domain Spectroscopy Data	H. C. Verma, A. Baral, A.K. Pradhan, S. Chakravorti	IEEE Transactions on Dielectric and Electrical Insulation	Vol. 24, No. 5, 2017	3245-3253
4.	Condition Assessment of Various Regions within Non-uniformly aged Cellulosic Insulation of Power Transformer using Modified Debye Model	H. C. Verma, A. Baral, A.K. Pradhan, S. Chakravorti	IET Science, Measurement & Technology	Vol. 11, No. 7, 2017	939-947

(b) Paper published in International Conference: 04

S. No.	Title of Paper	Author(s)	Name of the Conference	Year
1.	Influence of Volume Concentration on Breakdown Strength of Synthetic Ester Based Transformer Nanofluid Employing SiO ₂ Nanoparticle	S. Chaudhary, H. C. Verma , A. Baral, S. Chakravorti	IEEE's 3rd International Conference for Convergence in Technology (I2CT) Pune	2018
2.	Development of a Low-Cost Portable Frequency Domain Spectroscopy Data Measurement Module for Oil-paper Insulation	M. Malviya, H. C. Verma , A. Baral, S. Chakravorti	IEEE 7th International Conference on Power Systems (ICPS), COEP Pune, India	2017
3.	A Novel Method to Predict Moisture in Cellulosic Insulation of Power Transformer with Improved Accuracy Using Time Domain Spectroscopy Data	R. Goel, H. C. Verma , A. Baral, S. Chakravorti	IEEE 6th International Conference on Computer Applications in Electrical Engineering- Recent Advances (CERA), IIT Roorkee, India	2017
4.	Comparison of different methods available for evaluating remaining life of OIP insulation used in Power Transformer	A. Kumari, H. C. Verma , A. Baral, S. Chakravorti	IEEE 6th International Conference on Computer Applications in Electrical Engineering- Recent Advances (CERA), IIT Roorkee, India	2017

IV. PATENTS APPLIED

S. No.	Title of Invention	Inventor(s)	Application No.	Date
1.	Hydrogen Fuel Generator with Enhanced Safety for Internal Combustion Engine	Anish Kumar Karn, Dr. Akash Priyadarshee, Mr. Hari Charan Verma , Mr. Vijay Kumar, Mr. Shubham Sharma	202031002990	23/01/2020

V. WORKSHOP ORGANISED/RESOURCE PERSON:

S. No.	Organised/ Delivered	Name of Course	Department & Institute	Duration	Year
1.	Convener	Hands-on Training on MATLAB Phase-II	Electrical Engineering Department, MIT, Muzaffarpur	One Week	2020
2.	Convener	Hands-on Training on MATLAB	Electrical Engineering Department, MIT, Muzaffarpur	One Week	2020
3.	Resource Person	Hands-on Training on MATLAB	Electrical Engineering Department, MIT, Muzaffarpur	One Week	2020

4.	Resource Person	(Special sessions on Linear Control Theory) Laboratory Training of Teachers of TEQIP-III Institutions of Bihar	MIT, Muzaffarpur	3 days	2019
5.	Resource Person	(Special sessions on Protection of Power Apparatus and system) Laboratory Training of Teachers of TEQIP-III Institutions of Bihar	MIT, Muzaffarpur	3 days	2019
6.	Convener	Emerging Trends in Renewable energy	Electrical Engineering Department, MIT, Muzaffarpur	One Week	2019
7.	Resource Person	Emerging Trends in Renewable energy	Electrical Engineering Department, MIT, Muzaffarpur	One Week	2019
8.	Jury member	Skill Competition (Yuva Kaushal Mahotsav)	Bihar Skill Development Mission, Labour Resources Department Govt of Bihar	3 days	2019

VI. ADMINISTRATIVE RESPONSIBILITIES HELD/CONTINUING

S. No.	Position held/ Responsibility	Level	Institute	From	To
1.	NBA Coordinator	Department	MIT, Muzaffarpur	06 th March 2018	Till date
2.	Training and Placement Coordinator	Department	MIT, Muzaffarpur	06 th March 2018	Till date
3.	Assistant Hostel Warden	Institute	MIT, Muzaffarpur	06 th March 2018	Till date
4.	Professor Incharge of “Power system Lab and Linear Control Theory Lab”	Department	MIT, Muzaffarpur	02 th May 2018	Till date
5.	Member of “Junoon Club”	Institute	MIT, Muzaffarpur	03 rd December 2018	Till date
6.	NPTEL Coordinator	Department	MIT, Muzaffarpur	06 th March 2018	Till date
7.	Member of “Industry Readiness”	Department	MIT, Muzaffarpur	17 th January 2020	Till date
8.	Committee member to review the university syllabus for B.Tech Electrical Engineering	University	Aryabhata Knowledge university	2019	2020
9.	Mentor in SIH 2022	Institute	MIT, Muzaffarpur	2021	2022

VII. MEMBERSHIP/ FELLOWSHIP OF PROFESSIONAL SOCIETIES

- [1] Reviewed Papers for “**IET Science, Measurement & Technology 2020**”.
- [2] Reviewed Papers for “**2020 IEEE International Conference on Environment and Electrical Engineering Madrid**” organize in Madrid, Spain, 2020.
- [3] Reviewed Papers for “**2019 IEEE Conference on Environment and Electrical Engineering and 2nd Industrial and Commercial Power Systems Europe**” organize in Genoa, Italy, 2019.
- [4] Reviewed Papers for “**IEEE 18th International Conference on Environment and Electrical Engineering and 2nd Industrial and Commercial Power Systems Europe**” organize in Palermo, Italy, 2018

VIII. WORKSHOP/SHORT TERM COURSE ATTENDED:

S. No.	Name of Course	Department & Institute	Platform	Duration	Year
1.	Recent Computational Strategies for Condition Monitoring of High Voltage Equipment (ReCoSCoM-HiVoE-2021)	Department of Electrical Engineering, NIT Patna	Online	One Week	2021
2.	Hands on Training on SAR Filling of NBA Accreditation	SPIU Bihar	Offline	2 days	2021
3.	Outcome Based Education (OBE) & Preparedness for NBA	SPIU Bihar	Offline	2 days	2021
4.	Smart Technologies in Energy Scenario	EE Department BBIT	Online	One Week	2020
5.	Artificial Intelligence and Its Applications	NITTTR Chandigarh, and NIT Jalandhar	Online	One Week	2020
6.	Outcome Based Education (OBE) & Preparation for NBA Accreditation	SPIU Bihar	Offline	2 days	20220
7.	Research and Technical Challenges in Energy and Power System”	Department of Electrical Engineering, Narula Institute of Technology	Online	One Week	2020
8.	Nanoscience for Engineering Applications	NITTTR Chandigarh, and NIT Jalandhar	Online	One Week	2020
9.	Electric Vehicles: News Trends and Technologies	EEED, ABES Engineering College, Ghaziabad	Online	One Week	2020
10.	Geospatial Applications in Water Resources	CED, St. Joseph’s Institute of Technology	Online	3 days	2020
11.	Outcome Based Curriculum Design	NITTTR Chandigarh	Online	One Week	2020
12.	Post Corona Era Dimensions in Education	Chetana International journal of Education, CIJE (SJIF 2020)	Online	One Week	2019
13.	Introduction to Industrial Electrical Systems	L&T-Switchgear Training Centre, Kolkata	Offline	One Week	2019
14.	Opportunities and challenges in implementation of AICTE Internship Policy	AICTE New Delhi	Offline	1 days	2019

15.	Preparation for NBA Accreditation	DCE Darbhanga, LNJPIT Chapra, IIT Patna & SPIU Bihar	Offline	3 days	2019
16.	A Comprehensive Introduction to IOT Design	IIT Bombay	Offline	One Week	2019
17.	Advanced Pedagogies: Active Learning and Digital Tools	IIT Delhi	Offline	One Week	2019
18.	Motivational Techniques for creating High performance individual/Team (For Faculties) and Personal Growth & Team Building (for Non-Teaching Staff)	MIT Muzaffarpur	Offline	3 days	2019
19.	Research Proposal Writing Workshop	IIT Patna & SPIU Bihar	Offline	3 days	2019
20.	Indian Science Congress-2019	LPU Jalandhar	Offline	One Week	2019
21.	Intellectual Property Right and patent filling	AKU Patna	Offline	1 days	2018
22.	NBA Awareness and filling of SAR	MIT Muzaffarpur	Offline	2 days	2018
23.	Hands on training on Microsoft Excel	MIT Muzaffarpur	Offline	3 days	2018
24.	Faculty Induction Program	IIT Kanpur	Offline	One Week	2018
25.	High Voltage Engineering Applications	IIT Kharagpur	Offline	One Week	2018
26.	Ultra Wide band partial Discharge in In-Service High Voltage Equipment	IIT Kanpur	Offline	One Week	2018

IX. ONLINE COURSES ATTENDED:

Completed 29 online courses form different platform

- (a) Completed 2 week online course on topic “**Digital Transformation in Teaching Learning Process**” in Swayam platform powered by IIT Bombay.
- (b) Completed Total **16** online courses in Coursera Platform.
- (c) Completed Total **08** online courses in Capability development, Tata steel.

X. TEACHING EXPERIENCE

(i) In MIT Muzaffarpur (05/01/2018 to 29/12/2022)

1. Electrical Circuit Analysis (**UG Course**)
2. Power System (**UG Course**)
3. Switch gear and protection (**UG Course**)
4. Digital Electronics (**UG Course**)
5. Network Theory (**UG Course**)
6. Basic Electrical Engg (**UG Course**)
7. Linear Control Theory (**UG Course**)

XI. AREA OF SPECIALIZATION

Power System, High Voltage Engineering, Nano-materials

XII. COMPUTER PROFICIENCY

Multisim, Proteus, Power Factory, Matlab, LabVIEW

XIII. PERSONAL DETAIL

Name	: Hari Charan Verma
Father's Name	: Mr. Jai Narayan Mahto
Mother's Name	: Mrs. Shanti Devi
Date of Birth	: 05-Dec-1989
Gender	: Male
Marital Status	: Married
Residential Address	: At+P.o-Chirudih,P.S- Nawadih Bokaro-829144 (Jharkhand)

XIV. REFERENCES

(i) Dr. Arijit Baral

Assistant Professor
Department of Electrical Engineering
Indian Institute of Technology (ISM), Dhanbad, Jharkhand.
E-mail: baral_arijit@yahoo.com,
Mobile No. : 9471192453

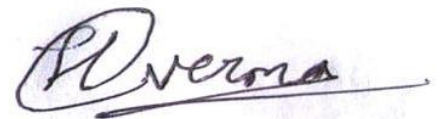
(ii) Dr. Y N Sharma

Associate Professor, Head of Department
Department of Electrical Engineering,
Muzaffarpur Institute of Technology, Muzaffarpur, Bihar.
E-mail: ynsharma@mitmuzaffarpur.org
Mobile No. : 9708970515

Declaration:

I hereby assure that the entries made in this resume are correct to the best of my knowledge and belief.

Place: Dhanbad, Jharkhand



(Hari Charan Verma)