BRIEF RESUME

PERSONAL INFORMATION

Name	:	Yogesh K Chauhan
Date of Birth	:	Oct. 05, 1973
Father/Mother's Name	:	Sri Harpal Singh Chauhan / Smt. Laxmi Devi
Address of Correspondence	:	EED, KNIT Sultanpur-228118, India

EDUCATIONAL QUALIFICATIONS

Ph.D.	:	***Electrical Engineering*** **(2010)** Thapar University, Patiala, Punjab, India
M.Tech.	:	***Power Electronics, Electrical Machines & Drives*** (1997-98) Electrical Engineering Department **I.I.T. Delhi, New Delhi, New Delhi**
B.Tech.	:	Electrical Engineering (1993-97) G.B. Pant University of Agril. & Technology Pant Nagar, Distt. U.S. Nagar, Utrrakhand

EXPERIENCES

Total Teaching Experience : More than **20 Years**

- Assistant Professor in Gautam Buddha University, Gr. Noida, G.B. Nagar, U.P. Feb. 2011 to Dec. 2017,
- Associate Professor, EED, KNIT Sultanpur, U.P. Dec. 2017 to till date;

Research Bench-Marks as on date:

- Google Scholar Citation:1189
- H index: 17
- I10 index:31
- Research Gate Score:25.27

WRITING/COMPILATION

(A) Co authored Self Instruction manual (SIM) " ***Electromechanical Energy Conversion***" for Distance education department, Thapar University, Patiala, 2007.

(B) Prepared lab manuals of (i) Electromechanical Energy Conversion
(ii) Asynchronous Machine
(iii) Power Electronics

JOURNAL'S REVIEWER

✓	IEEE:	-Transactions on Industry Applications -PCIC Committee of IEEE-IAS Society
✓	IET	Electric Power Applications Generation, Transmission and Distribution
✓	Elsevier:	-Renewable Energy -Solar Energy -Engineering Science and Technology: an International Journal
✓	European Transaction on Electric Power (ETEP)	
✓	Taylor and Francis	- Electric Power Components and Systems

ADDITIONAL INFORMATION

(A) GATE score (1997): 96.28

(B) Hobbies: Yoga, Palmistry

Place: Sultanpur

(April 2021)
(Yosesh K Chauhan)

Annexure –I

DETAILS OF THE COURSES TAUGHT IN PREVIOUS YEARS

S.No.	Subject	UG/PG	Semester	Year
1.	i.Electric Power Quality ii. Power Electronics	M.Tech. B.Tech.	II	2017-18
2.	Fundamental of Electric Drive Electric Drive and Control	M.Tech. B.Tech.	I	2018-19
3.	i. Power Electronics ii. Power Electronics interface to renewable energy system	B.Tech. Ph.D.	II	2018-19

4.	Electric Drive and Control Electric Drive and Control Lab	B.Tech. B.Tech.	I	2019-20
5.	Power Electronics Power Electronics Lab	B.Tech. B.Tech.	II	2019-20
6.	Electric Drive and control EDC Lab	B.Tech. B.Tech.	I	2020-21
7.	Power Electronics Electric Power Quality	B.Tech. M.Tech.	II	2020-21

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Recent Activities

Annexure –II

(I) Journal Publications

1. R.Pachauri1, O. P. Mahela, A. Sharma, J. Bai, **Yogesh K. Chauhan**, B. Khan, H. H. Alhelou, "Impact of Partial Shading on Various Photo-Voltaic Array Configurations and Different Modeling Approaches: A Comprehensive Review" IEEE Access, vol. 8. Pp. 181375-181405, Oct. 2020 **(Impact factor 2019=3.745)**
2. A. Gupta, T. Maity, Ananda kumar H, and Yogesh K. Chauhan, "An Electromagnetic Strategy to Improve the Performance of PV Panel under Partial Shading", Computers and Electrical Engineering (Elsevier), 2020, (**Impact facto 2019=2.663**)
3. V. Rana, M.A. Ansari and Yogesh K. Chauhan, " Investigation of partial shading effect on PV array configuration", Int. J. Digital Signals and Smart Systems, pp. 184-198, Vol. 4, Nos. 1/2/3, 2020.(Inderscience)
4. V. Rana, MA Ansari, Yogesh K Chauhan, A. Tyagi, & K. Kumar, "A novel scheme of parameters control of microturbine system at different loading conditions", Journal of Information and Optimization Sciences, Vol. 41, no. 1, Pp. 293-303, Feb. 2020, **ESCI, web of science, (Taylor & Francis)**
5. R. Anand, , Yogesh K. Chauhan,, V. Yadav, and R. Pachauri, "Experimental system design for online characterization and performance analysis of PV module under distinguish environmental conditions". EAI Endorsed Transactions on Energy Web, Pp.1-11, Feb. 2020. (**Scopus**)

(II) IEEE/ International Conferences

1. S. Paliwal, S. K. Sinha, Yogesh K. Chauhan, "Frequency control of 5kW Self-Excited Induction Generator using Gravitational Search Algorithm andGenetic Algorithm", International conference on electrical and electronics engineering (ICEEE2021), 02-03 Jan. 2021, Galgotias University, Greater Noida.

(III) Patent

Patent Published on line : No. 201731047389 dated 30.12.2017
Title: "An arrangement for replacement of bypasss diode by relay in a solar photovoltaic system"

Inventor: Tanmoy Maity, Yogesh Kumar Chauhan, Ankur Kumar Gupta

Annexure-II(B)

(I) Conference/Session Organized/Chaired:

1. Conference chair in 2020 IEEE International conference on computing, power and communication technologies (GUCON 2020), 2-4 Oct. 2020, Galgotias University Greater Noida, U.P.
2. Chaired a session in 17th IEEE INDICON 2020, 11-13 Dec. 2020, NSUT New Delhi
3. Conference chair in 2021 International conference on electrical and electronics engineering (ICEEE 21), 02-03 Jan. 2021, organized by Galgotias University Greater Noida and University of Malaya, Malaysia.

(II) Short Term Course/FDP Organized:

1. **Coordinator training program B.Tech.** students spoken tutorial IIT Bombay for odd semester 2019-20.
2. **Coordinator** e-seminar on Virtual Lab (Vlab): A potential tool for teaching learning process, on 30 April, 2020.

(III) Expert Lecture Delivered:

1. Expert talk in FDP "Voltage stability and its compensation", EED, AKG Engineering College, Ghaziabad, U.P., 14 Jan. 2020.
2. Key note speaker in online international conference "ADVANCES IN COMPUTING, COMMUNICATION & CONTROL", IIMT University Meerut, U.P., 16-17 July 2020
3. Invited talk in 05 days national workshop "Learning by performing through virtual lab" through video conferencing hosted by IET, Dr. R.M.L. Avadh University, Ayodhya, U.P.
4. Invited talk on "Potential of induction generator for small capacity for wind and hydro power generation" in online one week ATAL academy sponsored FDP Green technology and sustainable engineering", organized by Deptt. of instrumentation and control engineering, NSUT Delhi, 05-09 Oct. 2020.
5. Invited lecture on "Performance optimization of renewable energy resource", in FDP on smart technologies and communication protocol in power system, 21-25 Dec. 2020, organized by EED, Rajkiya Engineering College, Sonbhadra, date of lecture: 22/12/2020.

(IV) CONFERENCE/ SEMINAR/ WORKSHOP PARTICIPATION

S.No.	Title of the paper presented	Title of the conference/seminar	Dates of the event	Organized by	Whether international/National
1.	"Design, modeling and performance of static synchronous series compensator regulated self-excited induction generator"	3rd IEEE International Conference on Recent Developments in Control, Automation & Power Engienering (RDCAPE 2019)	10-11 October 2019	Amity University Noida, U.P.	International
2.	Online Training and test program, LaTex	Spoken tutorial, IIT Bombay, funded by National mission on education through ICT,	July-Dec. 2019	Spoken tutorial, IIT Bombay	NA

		MHRD, Gov. of India			

Annexure –III

(C) Research Project

S.No.	Title	Scheme	Sponsor Agency	Nature of role	Status
1.	"Improved Isolated Electric supply Through SEIG Using Static Controller" Cost Rs 5.25 Lakh	RPS (Research Promotion Scheme)	AICTE	**PI (Principal Investigator)**	Completed (2004-2007)
2	Development & investigation of MPPT techniques used in PV energy conversion system, 0.5 lac	Minor Research Project	TEQIP-III	PI	Completed, Dec.2017-Dec2018

Annexure –IV

ADMINISTRATIVE RESPONSIBILITIES

i. .B.Tech. Project Coordinator, EED from July 2018 to till date

ii. Member, NSDC, KNIT Sultanpur since August 2018 to till date

iii. Lab In-charge, Renewable energy lab, EED, since Jan. 2019

iv. Faculty in-charge, ICT & virtual learning centre, KNIT Sultanpur since July 2019

v. Member, DAC, REC Ambedkar nagar, Since Sep. 2019

vi. Member DAC, JSSET Noida, Since July 2019