

## RESUME

### ***Laxmikant Dewangan***

- Ph.D. Scholar at School of studies in Engineering and Technology, Guru Ghasidas Vishwavidyala (Central University), Bilaspur (C.G.)
- M. Tech. (Digital Communication) TIT Bhopal (M.P.)
- B.E. (Elex. & Comm.) GGU, Bilaspur (C.G.)
- Former Asst. Prof. & M. Tech. Coordinator (Digital Elex.)  
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CEC Bilaspur (C.G.)
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### **Academic Qualifications:**

Degree	University/ Institution	Year of Passing	CGPA / (%)
M.Tech (Digital Comm.)	T.I.T. Bhopal (RGPV)	2013	85.22% (HONORS) (on the scale of 10)
B.E. (Elex. & Comm.)	Institute of Tech. Bilaspur (Guru Ghasidas University)	2007	Agg. 69.40%
Higher Secondary	Jyoti Hr. Sec. School C.G Board, korba (C.G.)	2003	76.33% (Distinction)
High School	Jyoti Hr. Sec. School, M.P. Board, korba (C.G.)	2001	71.23%

### **Work Experience:**

Institution	Designation	Worked During
Govt. Engineering college, Bilaspur (C.G.)	Pro. Term Lecturer	July 2009-Aug. 2009
Chouksey Engineering college, Bilaspur (C.G.)	Asst. Prof.	Aug. 2009- 2020

## Scholastic Achievements: •

- UGC-NET Qualified in Electronic Sciences in June-2016•
- GATE Qualified (Gate 2016 in Electronics Engineering)

## Area of Research:

- Metamaterial based Structures
- Antenna Designing

## Memberships of Professional Bodies:

- Life Member, ISTE, India
- Member SPICMACAY

## Software Skills:

- Dedicated Software: Expertise in Programing/Modeling with MATLAB, C, C++, and FORTRAN.

## Projects/Thesis:

- Image Denoising Using Fractal & Threshold Method By Wavelet analysis. (M.Tech Thesis), TIT Bhopal, 2013.

## Courses Taught:

### Under Graduate:

- Microprocessor and interfacing 8085 (Govt. Engg. College, Bilaspur)
- Cellular and Mobile Communication(Govt. Engg. College, Bilaspur)
- Linear & Automatic Control System (CEC, Bilaspur)
- Signal & System (CEC, Bilaspur)
- Digital signal processing (CEC, Bilaspur)
- Digital Logic & Design (CEC, Bilaspur)
- Microprocessor and interfacing 8085 (CEC, Bilaspur)
- Electronic Circuit Design (CEC, Bilaspur)

### Post Graduate:

- Fiber Optic Communication (CEC, Bilaspur)
- Electronic System Design (CEC, Bilaspur)

## Other Instructional Tasks:

- Conducted Lab classes at CEC, Bilaspur (C.G.) for variuous subjects such as: Microprocessor and interfacing 8085, Digital signal processing, Digital Logic & Design Electronic Circuit Design, Simulation Labs (Programing &Simulation with MATLAB-Simulink ).

## Masters (Thesis/Dissertation) Supervision \*

S.No.	Title of Thesis	Name of Student (/Institution)
1.	Classification of EEG Signals for Epilepsy Diagnosis: A Comparative Investigation in Machine Learning Framework	Mrs. M. Kar (CEC, Bilaspur)
2.	Rain Streaks Detection and Removal in Image VIA Decomposition and Visibility Saturation	Mrs. A. Pandey (CEC, Bilaspur)
3.	Pre Fall Detection And Emergency Alert System For Kids And Old Age With Iot Based Energy Efficient System	Mrs. Sanjukta Das (CEC, Bilaspur)
4.	Aircraft Localizataion Algorithm For Multilateration System Using Hyperbolic Localizations With S & Ac Mode	Mrs. Shruti Sharma (CEC, Bilaspur)
5.	RGB Image Compression Algorithm Using Error Tolerant 2d Discrete Cosine System	Ms. Surabhi Shukla (CEC, Bilaspur)

**A) Journal Publications:  
Scopus Indexed Journals**

1. *Laxmikant Dewangan & Arpita Rani Vaishnava Energy-Efficient Smart Wearable IoT Device for the Application of Collapse Motion Detection and Alert, IETE Journal of Research, Taylor & Francis Vol. 7, pp. 0377-2063, 2020.*
2. *Kar M., Dewangan L. (2021) Univariate Feature Selection Techniques for Classification of Epileptic EEG Signals. In: Rizvanov A.A., Singh B.K., Ganasala P. (eds) Advances in Biomedical Engineering and Technology. Lecture Notes in Bioengineering. Springer, Singapore Vol.4, pp. 345-365, 2021.*

**UGC Listed Journals**

3. *Laxmikant Dewangan, Anjolly Pandey, "An Approach To Analyse Rain Removal from Single frame Image" (Published by IJSART, INDIA), ISSN: 2395-1052, Issue-6, Vol. 4, June- 2018.*
4. *Laxmikant Dewangan, Anjolly Pandey, "A Review Paper on entropy Maximization and background estimation method is used for the rain removal", (Published by IJRTER, INDIA),ISSN: 2455-1457, Issue-6, Vol. 4, June- 2018.*
5. *Laxmikant Dewangan, Mausami Kar, "Epilepsy Detection using EEG signals in machine learning paradigm: Review and challenges", (Published by JETIR, INDIA),ISSN: 2349-5162, Issue-2, Vol. 5, feb- 2018.*
6. *Laxmikant Dewangan, Mausami Kar, "Classification of epileptic EEG signals based on J48 Classifier based feature selection", (Published by IJRASET, INDIA),ISSN: 2321-9653, Issue-2, Vol. 6, feb- 2018.*
7. *Laxmikant Dewangan, Shruti Sharma, "A Review Paper on Aircraft Localization Algorithm for Multilateration System", (Published by IJRTI, INDIA),ISSN: 2456-3315, Issue-9, Vol. 3, sep- 2018.*
8. *Laxmikant Dewangan, Shruti Sharma, "Aircraft Localization Algorithm for Multilateration System using Hyperbolic Localizations with S and AC mode", (Published by IJRASET, INDIA),ISSN: 2456-3315, Issue-9, Vol. 6, sep- 2018.*
9. *Laxmikant Dewangan, Surabhi Shukla, "A Review Paper on Image Compression Algorithm Based on DCT & RGB Images", (Published by IJRTI, INDIA),ISSN: 2456-3315, Issue-9, Vol. 3, sep- 2018.*

**B) Conference Publications:**

1. *Laxmikant Dewangan, Shruti Sharma, "The Utilization of Aircraft Localization Algorithm for the Multiiteration System", (Published by Techno-A-Tech 2018),TEQIP-III, Oct- 2018.*
2. *Laxmikant Dewangan, Arpita Rani Vaishnava "Denoising of image based on Discrete Wavelet Transform" (International Conference "SHAASTRARTH" rungra bhilai) on 8-9 february 2013.*
3. *Participated in National conference on Emerging technologies and practices in E- governance 9-10 December at Dr. C.V Raman university bilaspur.*
4. *Paper presented on national conference on Emerging trends in Electronics and Telecommunication Engg. NATCON 2012 paper titled "Image denoising using Nonlinear filter".*
5. *Participated in workshop "MATLAB FUNDAMENTALS AND APPLICATIONS" in chouksey engg. College in collaboration with DIGITECH SOLUTION Bangalore.*

**(L.K. Dewangan)**