Curriculum Vitae

Dr. Ajay kumar Maurya
Assistant Professor
Electronics and Instrumentation
Engineering Department
UNSIET, VBSPU Jaunpur
Mob- 8004140246, 6307082407
E-mail: ajaybtech84@gmail.com

Experience (10 Years):-

Name of Institute	Time Period	Post
UNSIETVBSPU, Jaunpur	13 Aug. 2018 to Till Date	Asst. Prof
UNSIETVBSPU, Jaunpur	07 Sept. 2015 to 31 May 2018	Guest Lecture
UNSIETVBSPU, Jaunpur	18 Jan. 2012 to 31 May 2015	Teaching Assistant
UNSIETVBSPU, Jaunpur	25 Aug 2008 to Sept. 2009	Guest Lecturer

Educational Curve:-

Course	University/Institute	Subject	Year	Percentage/Status
Ph.D.	Dr. A.K.T.U. Lucknow	Electronics Engineering	2020	Complete
M. Tech.	B.I.E.T. Jhansi	Digital Communication	2011	73.80
B. Tech.	V.B.S.P.U.Jaunpur	E.C.E.	2008	69.18
Intermediate	T.D.I.C. Jaunpur	PCM	2003	63.00
High School	T.D.I.C. Jaunpur	Science	2001	58.60

Area of Specialization-

- Digital Communication
- Optical Communication

Subject Taught in B. Tech. and M. Tech. -

- Microprocessor
- Microcontroller
- Digital Electronics
- Electromagnetic Field Theory
- Wireless and Mobile Communication
- Digital Logic Design
- Basic Electronics

- ➤ Antenna and Wave
- ➤ Optical Communication
- ➤ Signal and System

Project Work-

Course	Topic
Ph.D.	Performance Analysis and Simulation of User-Spread Interleave Division Multiple Access System
M. Tech.	Performance Analysis of Optical IDMA Using Various Types of Interleaver
B. Tech.	16-Bit ALU on VHDL programming tools by using VLSI Technology

International Journal-

[1] **Ajay Kumar Maurya**, Ravi Prakash, Rakesh Kumar Maurya, B. B. Tiwari and R. K. Singh. Contrastive Performance Analysis of US-OIDMA using Different Code Rate and Constraint Length published on Vol. 29, No. 9s June 2020 in International Journal of Advanced Science and Technology, pp. 7370-7384 **(SCOPUS).**

[2] **Ajay Kumar Maurya**, Ravi Prakash, S. K. Sriwas, Pramod Kumar and R. K. Singh. Impact of Code Rate and Constraint Length Variation on Qualitative Performance OIDMA System with Random and Tree Inter-leaver published on February 2020, Vol. 202 Elsevier Editorial System(tm) for OPTIK - International Journal for Light and Electron Optics **(SCI).**

[3] **Ajay Kumar Maurya**, S. K. Sriwas, Rajendra Kr. Sriwas and R. K. Singh. Efficacy Estimation of O-IDMA with Convolutional Codes of Variable Constraint Lengths at Merest Loss Using Multifarious Inter-leavers published on Vol. 11(16) April 2018 in Indian Journal of Science and Technology ISSN (Print): 0974-6846, ISSN(Online):0974-5645 **(SCOPUS).**

[4] **Ajay Kumar Maurya**, S. K. Sriwas, Rajendra Kr. Sriwas and R. K. Singh. User Spread Optical Interleave Division Multiple Access Scheme (US-OIDMA) For High Speed Transmission with Zero Dispersion Fiber published on Vol. 12, No. 24, December 2017 in ARPN journal of engineering and applied sciences ISSN: 1819-6608 **(SCOPUS).**

[5] **Ajay Kumar Maurya**, S. K. Sriwas, Rajendra Kr. Sriwas and R. K. Singh. Analysis the Effect of Processing Gain on Optical Coded IDMA at Minimum Loss Using Random and Tree Inter-Leaver published on Vol. 12, No. 24, December 2017 in ARPN journal of engineering and applied sciences ISSN: 1819-6608 **(SCOPUS).**

[6] **Ajay Kumar Maurya**, R. K. Singh, Ravi Prakash and N. K. Shukla. Performance Analysis of O-IDMA with Tree Inter-Leavers using Various Design Topologies of Convolutional Encoder published on Volume: 05, Issue: 09, September – 2018 in Journal

of Emerging Technologies and Innovative Research (JETIR), Impact Factor-5.87, ISSN (Online): 2349-5162.

[7] **Ajay Kumar Maurya**, R.K.Singh, B.B.Tiwari and Ravi Prakash. Performance Analyis and Comparison of optical IDMA with optical Coded IDMA Using Various Types of Interleaver. International Confrence on Emerging Trends in Electrical, Electronics and Sustainable Energy Systems (ICETEESES 16) 11th-12th March 2016 (SCOPUS).

[8] Ravi Prakash, Nitant Saubagya, **Ajay Kumar Maurya** and B. B. Tiwari. Performance Estimation of O-IDMA with Optimum Design Convolutional Codes using Prime Inter-Leavers published on Volume: 05, Issue: 04, April – 2018 in International Journal of Modern Trends in Engineering and Research (IJMTER), Impact Factor: - 5.278, ISSN (Online): 2349-9745, ISSN (Print): 2393-8161.

[9] Ravi Prakash, Nitant Saubagya**, Ajay Kumar Maurya**, N. K. Shukla and R. K. Singh. Network Topology Variation of Convolutional Coders on Performance of O-IDMA with Random Inter-Leaver published on Volume: 06, Issue: 01, January – 2018 in International Journal for Advance Research in Engineering and Technology (IJARET), eISSN: 2320-6802.

[10] Ravi Prakash, **Ajay Kumar Maurya**, Ankit Kumar Patel, Nar Singh and R. K. Singh. Qualitative Analysis of Optical Interleaver Division Multiple Access using specific seed length Prime Inter-leavers published on Vol. 04, Issue: 06, June 2017 in International Research journal of Engineering and Technology (IRJET), Impact Factor: -5.181. C-ISSN: 2395-0056 P-ISSN: 2395-0072.

[11] Ravi Prakash, **Ajay Kumar Maurya**, Nitant Saubagya, Nar Singh and R. K. Singh. Effect of processing gain variation on Optical Interleaver Division Multiple Access at minimum loss optical window using Random inter-leavers published on Vol: 06, Issue: 07, July 2017 in International journal of Advanced Research in Electronics and Communication Engineering ISSN: 2278-909X.

[12] Ravi Prakash and **Ajay Kumar Maurya**. Impact of Multifarious Design Architecture of Convolutional Encoders on Efficiency of O-IDMA at Zero Dispersion Wavelength published on july 2019 International Journal of Engineering and Technology **(SCOPUS).**

[13] Ravi Prakash, **Ajay Kumar Maurya,** Poonam Sonkar and B. B. Tiwari. Performance Analysis of OIDMA System using Soliton Pulses published in International Conference on Recent Trends in Electrical, Electronics and Computer Science Engineering organized by UNSIET, VBSPU Jaunpur, U.P. India in association of PES collage of Engineering Mondya and Institute for Engineering Research and publication (IFERP) on January 10th-11th, 2020, ISBN:978-89107-70-8 **(SCOPUS).**.

[14]   Ravi Prakash, **Ajay Kumar Maurya** and B. B. Tiwari. Constraint Length Inflation in Fixed High Rate Convolutional Codes and Their Impact on Performance of O-IDMA published on Vol. 20. No. 02, November 2020 in Indonesian Journal of Electrical Engineering and Computer Science ISSN: 2502-4752, pp. 837-844.

[15]   Rakesh Kumar Maurya, **Ajay Kumar Maurya** and Dr. Rabinder Kumar Singh " Artificial Neural Network Model for Analysis of Elliptical Microstrip patch antenna '' Impact : International Journal of Research in Engg. & Tech. (IMPACT : IJRET) ISSNCE : 2321-8843 ; ISSN(P) : 2347-4599 Vo.2, Issue 4, Hpr 2014,185-192 Impact Journal.

[16]   Rakesh Kumar Maurya, Reena Pant, **Ajay Kumar Maurya**, Ravi Prakash and C. Mishra "An ANN Model of Miniaturized Multi-Band Pass Filter" International Journal of Advanced Science and Technology, Vol. 29, No. 8, May 2020, 5040-5045.

International Conference-

[1] Mr. Surendra Kumar Sriwas, Dr. D.C.Dhubakarya, **Mr. Ajay Kumar Maurya** and Mr. Nitant Saubhagya[2] " **Review of   Efficient Modulation "** Techniques in the international conference on "Recent Trends in Engg.,Technology and Management**"(ICRETM-2011) B.I.E.T. Jhansi.**

[2] Ankit Kumar Patel, Prem Cand Yadav, Bhupendra Kumar Pal and Ajay Kumar Maurya " Performance Analysis of OFDMA in Different Modes " **International Symposium on Resent Trends in Electronics & Communication Engineering** (ISRTEC-2012), KNIT Sultanpur, U.P.

[3] Ajay Kumar Maurya, Surendra Kumar Sriwas, M. Shukla and Ankit Kumar Patel " **Performance Analysis of Optical IDMA Using Various Types of Interleaver ''** International Symposium on Resent Trends in Electronics & Communication Engineering **(ISRTEC-2012), KNIT Sultanpur, U.P.**

[4] Ankit Kumar Patel, Rajesh Kumar Yadav, Rajeev k. Srivastava and **Ajay Kumar Maurya** "**Performance Analysis of Optical IDMA By Using Different Types of Photodetector''** International Symposium on Resent Trends in Electronics & Communication Engineering **(ISRTEC-2012), KNIT Sultanpur, U.P.**

[5] Nitant Saubagya, Ravi Prakash, **Ajay Kumar Maurya** and Surendra Kumar Srivas **"Digital Audio Broadcasting''** National Confrence on Advances in Computer Communication and Embedded Systems (ACCES-2012) 12-13 April,2012 organized by department of Electronics and Communication Engineering M.M.M.Engg. Collage, Gorakhapur (U.P.)**.**

[6] Ajay Kumar Maurya, R.K.Singh, B.B.Tiwari and Ravi Prakash **" Performance Analyis and Comparison of optical IDMA with optical Coded IDMA Using Various Types of Interleaver ''** International Confrence on Emerging Trends in Electrical, Electronics and Sustainable Energy Systems (ICETEESES-16) 11th-12th March 2016.

Attended Workshops/ FDP/ Conferences

[1] Attended a two day workshop on **"Recent Advances in Microwave Circuit Design",** organized by Department of Electronics & Communication, Sachdeva Institute of Technology, Mathura, August 18-19,2012.

[2] Attended a one week workshop on "**Mobile,Ad hoc and vechicular communication**" organized by M.N.N.I.T, Allahabad, India, 22-27 July 2013.

[3] Attended a one day workshop on "**Transformational HR for Sutainability**" organized by department of HRD faculty of Management studies HR Conclave'15 under the Industry-Institute Interfrence programme on February 20-2015.

[4] Attended a one week workshop on "**Numerical Computation using MATLAB**" organized by department of Mathematics and Computer Science and Engineering Faculty of Engineering and Technology V.B.S. Purvanchal University , Jaunpur-222003 (U.P) on November 26-30,2015.

[5] Attended a one week workshop on "**RF/Microwave Systems and Photonic Sensors** " organized by department of Department of Electronics Engineering and Technology V.B.S. Purvanchal University , Jaunpur-222003 (U.P) on November 14-19,2016.

[6] Attended a one day workshop on "**Author Workshop of Springer**" organized by VBS Purvanchal University Jaunpur on 31 October 2015.

[7] Attended a one day workshop on "**Writing Research Paper**" organized by Vivekanand Central Library VBS Purvanchal University, Jaunpur on 30 November 2015.

[8] Attended a three day FDP on **"Business Opportunity Guidance and Project Preparation"** organized by Institute of Entrepreneurship Development, UP, Lucknow at VBS Purvanchal University, Jaunpur – Supported by TEQIP-III on 25-27 October 2017.

[9] Attended a three day workshop on **"Growth of Science and Technology in the Campus of Purvanchal University"** organized by VBS Purvanchal University, Jaunpur – Sponsored by TEQIP-III on 08-10 September 2017.

[10] Attended a one week summer training program on **"Active Learning for Senior Faculty"** organized by IIT Kanpur, Knowledge Incubation for TEQIP on 21-25 May 2018.

[11] Attended a three day workshop on **"W/S on OBE"** organized by UNSIET, VBS Purvanchal University, Jaunpur – Sponsored by TEQIP-III on 12-14 October 2018.

[12] Attended a two day workshop on **"OBE and NBA"** organized by UNSIET, VBS Purvanchal University, Jaunpur – Sponsored by TEQIP-III on 09-10 October 2018.

[13] Attended a four day FDP on **"W/S IPR and Plagiarism"** organized by UNSIET, VBS Purvanchal University, Jaunpur – Sponsored by TEQIP-III on 20-23 Septembr 2018.

[14] Attended a two day national conferences on **"Equity:Achievements and Challenges in India"** organized by the National Project Implementation Unit (NPIU), MHRD, Government of India, New Delhi and State Project Implementation Unit (SPIU), Maharashtra State, Mumbai in association with the College of Engineering Pune (COEP) sponsored by TEQIP on 15-16 March 2019.

[15] Attended a one week national workshop on **"Scientific Learning with Python"** organized by School of Electronics and Communication Engineering, Shri Mata Vaishno Devi University, Katra (J and K) sponsored by TEQIP during 25-29 May 2019.

[16] Attended a one week FDP on **"Recent Advances in Communication and Photonics"** organized by UNSIET, VBS Purvanchal University, Jaunpur – Sponsored by TEQIP-III on 08-12 July 2019.

Extra Curricular Activities

- Worked as a committee member for organizing National Science Day celebration in campus of Purvanchal university 2018.

- Worked as a organizing committee member for one week FDP on "Recent Advances in Communication and Photonics" organized by UNSIET, VBS Purvanchal University, Jaunpur – Sponsored by TEQIP-III on 08-12 July 2019.

- Worked as a tour in-charge in industrial tour (TEQIP) for B. Tech. students.

- Worked as internal staff of university to the placement of campus student.

- Worked as a paper setter in Purvanchal universities and other universities.

- Worked as an external examiner in practical and theory another university.

- Worked in university exam evaluation.

- Worked as a class counselor in the department.

- Supervise B. Tech. students for their project work.

- Attended and participated all the workshop, seminar, special lectures organized by university.

- Worked as a member of poster and banner committee in Yuva Mahotasav.

- Worked in university exam evaluation in coding and decoding.

- Worked as a member of displinary committee in electronics department.

- Worked as observer in semester examination of private collages affiliated to Dr. APJ AKTU Lucknow.

- Worked as a Project/Coordinator in the department.

- Worked as a lab in-charge (microprocessor and microcontroller).

PERSONAL STRENGTHS:

- Excellent verbal and written communication skills
- Willingness to learn
- Team facilitator and hard worker
- Positive attitude and outlook
- Sincere

Name : Ajay Kumar Maurya

Father's Name : Sri Ram Pyare Maurya

Birth date : 31-10-1986

Gender : Male

Marital Status : Married

Language Known : English, Hindi

Address : S/o- Ram Pyare Maurya
Vill- Radharepur,
Post- Maharoopur,222180
Dist- Jaunpur, U.P.

Declaration:

I hereby declare that all information above is true and best of my knowledge.

Dr. Ajay Kumar Maurya
Assistant Professor
Dept. of E.I.E. UNSIET,
VBSPU, Jaunpur