

## Curriculum Vitae

### Office:

Department of Electronics & Communication  
Samrat Ashok Technological Institute  
Vidisha (M.P.) – 464001.  
Email: [mljatav75@gmail.com](mailto:mljatav75@gmail.com)  
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### Home:

Lane No. 04, Vidya Vihar Colony, Ahmadpur  
Road, Vidisha M.P.

### Current Position:

**Assistant Professor,**  
Department of Electronics & Communication Engineering  
Samrat Ashok Technological Institute, Vidisha.

### Research Interest:

Wireless Communication

### Academic Qualification:

#### **RGPV, Bhopal (MP)**

##### **(Technical University)**

**Ph.D.** (Pursuing)

**Title:** Underlying device to device Communication

**Advisor:** Dr. N.L. Prajapati, Principal, IGEC Sagar MP

**Co advisor:** Dr. Ashutosh Datar, Professor, EI, SATI (degree) Vidisha MP

#### **MANIT, Bhopal (MP)**

##### **(A Deemed University)**

**M.Tech.**, Digital Communication Engineering, June, 2008

**Dissertation:** “Analysis of Analog Modulation Techniques Using Different Nonsinusoidal Carrier and Modulating Signals”

**Advisor:** Dr. R.N. Yadav , Professor, MANIT Bhopal

#### **APS University, Rewa (MP)**

B.E., Electronics and Telecommunication Engineering, 1999  
Govt. Engineering College, Rewa (M.P.)

### Teaching Experience:

- **August 2003-Till date:** Assistant Professor, Department of Electronics and Communication Engineering, Samrat Ashok Technological Institute, Vidisha (M.P.).
- **August 2001-June 2003:** Part-time Lecturer, Department of Electronics and Communication Engineering, IGEC, Sagar (M.P.)
- **August 2003- Till date:** Assistant Professor, SATI(Degree) Vidisha MP

**Administrative Work done:** Worked as NCC caretaker, working as a M.Tech. Course coordinator and Boys Hostel’s Warden

### Thesis Guided:

- PhD- Nil,
- M.Tech.- 10

### Papers:

- Papers (conference): 09
- Papers( Journal): 19

(Prof. Munnalal Jatav)



**SAMRAT ASHOK TECHNOLOGICAL INSTITUTE, VIDISHA, (M.P.)**  
**(Engineering College)**  
**Department of Electronics & Communication Engineering**

Research Publications

S. No.	Theme	Authors	Year of Publication	Volume/Page/Issue	ISSN/DOI Number	Impact factor	UGC/Scopus / SCI
1.	Spectrum Efficiency and BER Analysis of Massive MIMO Systems with QR-RLS Channel Estimation Technique	Tamanna Rajput, Munna Lal Jatav	October 2019	Vol.-7, Page No. 64-68, Issue-10,	E-ISSN: 2347-2693	3.022	UGC Approved
2.	Performance Analysis of 5G MIMO-OFDM Systems in Wireless Communications using Modified PTS Scheme	Pooja Gautam, Munna Lal Jatav	October 2019	Vol.-7, Page No. 69-73, Issue-10,	E-ISSN: 2347-2693	3.022	UGC Approved
3.	Survey Paper on Performance Evaluation of 4G and 5G System using Space Time Block Coding Technique	Dolly Panthi Munnalal Jatav	September 2019	Volume-7/ Page No. 181-185/ Issue-9	E-ISSN: 2347-2693	3.022	UGC Approved
4.	BER and Magnitude Analysis of FBMC Transceiver based MIMO System for 5G Technologies	Dolly Panthi Munna Lal Jatav, Dr. J.V. Ogale	June 2019	Volume-6/ Page No. 885-888/ Issue-6	ISSN-2349-5162	5.87	UGC Approved
5.	Review Paper on Massive MIMO Systems with Channel State Information	Tamanna Rajput, Munna Lal Jatav	June 2019	Vol.-7, Page No. 1016-1021, Issue-6,	E-ISSN: 2347-2693	3.022	UGC Approved
6.	Survey Paper on PAPR Reduction for MIMO-OFDM Systems using Different PTS Scheme	Pooja Gautam, Munna Lal Jatav	June 2019	Vol.-7, Page No. 1022-1026, Issue-6,	E-ISSN: 2347-2693	3.022	UGC Approved
7.	2.4 GHz Transceiver Design for Wireless Sensor Application	Ankush Sahu, M.L. Jatav	June 2018	Volume 8/ Page No. 18517-15521/ Issue No.6	ISSN No. 2250-1371	5.611	
8.	A Review of Wireless Sensor Network Based on Energy Minimization Algorithms.	Ramesh Maurya, M.L. Jatav	May 2018	Vol. 05/ pp-118-121/ Issue-5	ISSN No.: 2394-6172		
9.	Integration of Dual Probability in LEACH Protocol for Energy Minimization in Wireless Sensor Networks.	Ramesh Maurya, M.L. Jatav	May 2018	Vol. 05/ pp-122-127/ Issue-5	ISSN No.: 2394-6172		
10.	Optimized Filter based	Bharti Palya,	01	Vol. 05/ PP-	ISSN:	4.396	

	Compression with Run-length Encoding.	M.L. Jatav	August 2017	267-270/ Issue 05, 2017.	2321-0613		
11.	Analysis of Frequency Modulation Technique using Nonsinusoidal Carrier with Sinusoidal Signal	M. L. Jatav, Dr. Rakesh Arya	1-3 December 2009	2 <sup>nd</sup> Bhartiya Vigyan Sammelan 2009 (BVS2009)			
12.	Analysis of Analog Modulation Techniques Using Nonsinusoidal Carrier and Modulating Signals	M. L. Jatav	October 2008	National Conference on Applied Engineering and Sciences (Technosaga 2008)			
13.	Propose Structure of deregulation apply to Power Industry	Chaturbhuj Ahirwar , M. L. Jatav	October 2008	National Conference on Applied Engineering and Sciences (Technosaga 2008)			
14.	Analysis of Existing GSM services in India over 3G Technology	Anjali Potnis, M.L. Jatav, K.G. Kirar, Narendra Mahawer	26 <sup>th</sup> and 27 <sup>th</sup> April'08	AWWC-08 held at BUIT, Bhopal			
15.	Design of Digital Parallel Processor Using VHDL	M.L. Jatav, Hemant Shaky, Chaturbhuj Ahirwar, Virendra Singh Choudhary	26 <sup>th</sup> and 27 <sup>th</sup> April'08	AWWC-08 held at BUIT, Bhopal			
16.	Nanotechnology – A future Technology.	M.L. Jatav, Chaturbhuj Ahirwar, Virendra Singh Choudhary.	Dec.2-3, 2007	A National seminal on Advancement in Electronics and Communication Technology with Special Theme on Nanotechnology SCOPE College of Engineering, Bhopal .			

M. L. Jatav  
Assistant Professor  
Electronics and Communication