

## Curriculum Vitae

**Mr. Tejas U. Mahagaonkar**

### **Contact Information :**

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Maharashtra- 410210.

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### **Professional Experience:**

Total Teaching Experience : **5 years 10 Months**

- Name Of Institution: Vedang Cellular services PVT LTD.  
9 Months as a **BSS Engineer**
- Name Of Institution : **Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad**  
Duration : 2 years as a **Lecturer**
- Name Of Institution: Mahatma Gnadhi Mission College of Engg. & Tech (MGMCET), Navi Mumbai  
Duration : 1 years as a **Pro-Term Lecturer** , 1 year 2 months as a **Lecturer**, 1 year 8 months as a **Assistant professor**

### **Objective :**

To work with a reputed institution as an Assistant Professor, that will provide me a good platform to utilize my teaching and work in the environment which can help me to improve my technical and interpersonal skills and encourage value addition to achieve personal growth along with the institution.

### **Education:**

- Master of Engineer (M.E) in Electronics and Telecommunication from Mumbai University, Maharashtra.
- Bachelor of Engineering (B.E.) in Electronics and Telecommunication Engineering from Mahatma Basveshwar Education Society College of Engineering, Ambajogai, Maharashtra.
- Diploma in Electronics and Telecommunication from Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad.

### **Educational Details :**

Exam	School/College	Board/University	Year	Percentage % / CGPA	Class/Grade
M.E	Mahatma Gandhi Mission College of Engineering & Technology	Mumbai	2013-15	7.69	First Class
B.E	Mahatma Basveshwar Education Society College of Engineering, Ambajogai	Dr. Babasaheb Ambedkar Marathwada University	2007-10	69.26	Distinction
Diploma	Institute of Petrochemical Engineering ,Lonere	Dr. Babasaheb Ambedkar Technological University	2004-07	73.06	Distinction
SSC	Mehendale High School , Roha	Maharashtra State Board	2004	67.73	First Class

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**Projects:**

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- **M.E Project- Automatic wavelength allocation using Rayleigh backscattering for a WDM-PON with Tunable Lasers.**

The Wavelength Division Multiplexing Passive Optical Network (WDM-PON) is considered to be a key technology to meet future bandwidth (THz) demands because it supports unlimited bandwidth, high security, and protocol transparency. One of the most important issues for the WDM-PON is colorless or color-free optical sources that enable interchangeable and plug and playable optical network units. Various optical sources have been investigated in this requirement. Among the proposed optical sources, a tunable laser has many advantages such as very high-speed and long-reach transmission. To implement a real plug-and-play feature with a tunable laser, the allocated wavelength (or channel wavelength) should be identified automatically. Also proposed an automatic wavelength control methods based on the detection of generated backscattered light in the transmission fiber. The wavelength allocation by using backscattered power monitoring and wavelength modulation are proposed in this research work. An optical simulator OptSim designed by RSOF V-5 is used for simulation.

- **Graduation Project- Remotely Programmable RTC Integrated Microcontroller For Multiple Devices Control**

This project based on AT89c51 and Real Time Control for multiple devices control. The devices can be switched on/off at precise times repeatedly every day, every month. The microcontroller is programmed for device control using TV remote control.

- **Diploma Project- Automatic Gate controls using IR Sensor.**

The objective of this project is to manage the control system of railway gate using the microcontroller. When train arrives at the sensing point alarm is triggered at the railway crossing point so that the people get intimation that gate is going to be closed. Then the control system activates and closes the gate on either side of the track. Once the train crosses the other end control system automatically lifts the gate.

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**Key Qualifications :**

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<b>Software Proficiency</b>	1.Application programming using „C“language 3.Microprocessors(8085,8086)programming 4.Matlab programing
<b>Computer Skills</b>	1.Microsoft office tools
<b>Well versed Analysis and design software</b>	1.Technical computation interactive system MATLAB 2.RSOFT OptiSim 3.Network designing software PACKET TRACER

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**Publications :**

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- International Conference – 01

International Conference :

Tejas U. Mahagaonkar, Dr. S. R. Bhosale, “Automatic Wavelength allocation method using Rayleigh backscattering for a WDM-PON with Tunable lasers” *published in proceedings of International conference on Recent Trends in Engineering and Technology, 3<sup>rd</sup> July 2015.* SNJBs Late Sau K.B. Jain college of Engineering, Chandwad.

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***Subjects/Practical taught at UG :***

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1. Microprocessor and Microcontroller (B.Tech-Thrid Year, DBATU)
2. Television Engineering (B.Tech.-Final Year, DBATU)
3. Microprocessor Practical (B.E.-Second Year,Mumbai University)

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***Extra-Curricular Activities/Participation :***

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- Member of Organizing Committee – CYNOSURE 2012.
- Attended A National Conference Sponsored by IETE as “REPORTOIRE” in DEC-2011.
- Member of Organizing Committee – CYNOSURE 2011, IETE National Conference on CASP, at Dr. Babasaheb Ambedkar Technological University, Lonere.
- Winner of the Quiz Competition arranged by ACME 2010
- Event coordinator of ACME 2010
- Won the prize of Best Player for Cricket competition arranged by ACME 2010.

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***Personal Details :***

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Father's Name : Late. Umesh D. Mahagaonkar  
Mother's Name : Smt. Urmila U. Mahagaonkar  
Date of Birth : 2<sup>nd</sup> Dec,1988  
Languages Known :English,Hindi,Marathi

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***Declaration :***

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I hereby declare that the above-mentioned particulars are true & genuine and are as per the certification.

Place: Navi-Mumbai  
Date :

(Mr. Mahagaonkar Tejas U)