

# RESUME

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**JYOTI RANI KALGI**

**Email: jyoti.engg16@gmail.com**

Ashok Alco-Chem housing Colony  
M.I.D.C, Mahad

**Mobile: 9923794800**

**Mobile: 9923598039**

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## **OBJECTIVE**

To become a part of an esteemed organization where I can unleash myself and contribute the best from my side.

## **QUALIFICATION**

- M.Tech (Digital electronics & communication systems) with University III RANK (78.21%) in the year 2011 from Malnad College of Engineering, Hassan.
- Bachelor of Engineering in Electronics & communication Engineering with First Class (65.67%) in the Year 2005 from Rural Engg College Bhalki.
- P.U.C (Science) With First Class (71.04%) in the Year 2001 from Ram & Raj College Humnabad.
- S.S.L.C with Distinction (85.96%) in the Year 1999 from B.T.V.P School Humnabad.

## **PROFESSIONAL EXPERIENCE**

- ❖ **Worked as a Lecturer in the department of Electronics and Communication at Rural Engineering College Bhalki (2005 to 2009).**
- ❖ **Worked as a Lecturer in the department of Electronics and Telecommunication at Parvatibai Genba Moge College of Engineering, Pune (2011 to 2012).**
- ❖ **Working as an Asst. Professor in the department of Electronics and Telecommunication at Dr.Babasaheb Ambedkar Technology University, Lonere, and Dist: Raigad since (2016).**

 **Experience in Teaching in years: 6.3 yrs**

## **TECHNICAL SKILLS**

Language : C.

Technologies : VHDL coding, Verilog, Matlab.

Operating Systems : Windows NT/98/2000/XP Professional.

## **ACADEMIC PROJECT WORK DETAILS**

### **Project # 1:**

#### **Digital Video test pattern generator Using Verilog**

##### **Description:**

There are many different video standards, both analog and digital. Today most broadcast studios and video production centers use component digital video when creating, storing, and transporting video. Component digital video can be readily compressed using digital video compression standards. It can also be enclosed into analog composite video for broadcast.

### **Project # 2:**

#### **Fastest finger first indicator**

##### **Description:**

Now a days quiz-type game shows are increasingly becoming popular on television. In such games fastest finger first indicators (FFIS) are used to test the players reaction time. Re player's designated number is displayed with an audio alarm when the player presses his entry Button.

### **Project # 3:**

#### **Enhanced face tracking and recognition using neural network for color images**

##### **Description:**

Face tracking is required by many vision applications such as face recognition, human-computer interfaces and surveillance. Face image is taken as input from the webcam and image is enhanced to remove all the redundancies. The LBP (Local Binary Pattern) is a new way to extract the texture feature. A face recognition for personal identification is proposed using Back-Propagation neural network. At the very outset some pre-processing are applied on the input image. Secondly face features are extracted, which will be taken as the input of the Back-propagation Neural Network (BPN).

#### **Participation & Courses:**

- Participated in IEEE Event at college fest.
- Completed course in LabVIEW from ETDC (Bangalore).
- Participated in two days Workshop on "Broadband Communication"(REC Bhalki)
- Participated in Workshop on "MATLAB & SIMULINK" (REC Bhalki)
- Participated in Workshop on "TEACHING LEARNING QUALITY IMPROVEMENT INITIATIVE" (REC Bhalki)

- Attended Workshop on “FUNDAMENTALS OF HDL” (REC Bhalki)
- An organizing committee member of conference held on 28<sup>th</sup> and 29<sup>th</sup> December 2016 (ICCASP-2016), DBATU,Lonere.
- Participated in one week workshop on “RF And Microwave Design” conducted by Prof. Girish Kumar IITB, at DBATU Lonere
- Participated in one week workshop on “Electromagnetics” conducted by Prof. R.K.Shevgaonkar IITB, at DBATU Lonere
- A Paper entitled “Enhanced Face Tracking & Recognition Using Neural network for Color Images” has been presented in the International Conference “ICN-2011” held by the REC Bhalki & published in the International journal “World Journal of Science & Technology”.

**Personal Information :**

Husband’s Name : Shivanand Kalgi  
Date of Birth : June. 01, 1983  
Sex : Female  
Marital Status : Married  
Nationality : Indian  
Languages Know : English, Kannada and Hindi (Spoken & Written)  
Hobbies : Listening to music, reading books.

**Declaration:**

This is to affirm that information given above is true and correct to the best of my knowledge.

**Date:**

**Place:**

**(Jyoti Rani Kalgi)**