

**Sanjay B M**

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### Objective

To work in a challenging and creative environment and effectively contribute towards the goals of the organization that offers professional growth while being resourceful, innovative and flexible.

### Educational Qualification

Education	Discipline	University / Board	Institution	Year of Passing	Percent
B.E	Electronics & Communication Engineering	Visvesvaraya Technological University, Belgaum	Vidya Vikas Institute of Engineering and Technology, Mysuru	2016	66.37%
PUC	PCME	Board of Pre-University education, Karnataka	Sri Krishna PU College, Bengaluru	2012	82.33%
SSLC	General Studies	Karnataka Secondary Education Examination Board	Warriors English School, Challakere	2010	83.52%

### Technical Skills

<b>Operating System</b>	Windows 10, 8, 7, XP, Ubuntu.
<b>Programing skills</b>	C, Microprocessor 8086, Microcontroller 8051, VHDL, MATLAB, LABVIEW.
<b>Subjects of Interest</b>	Digital Electronics, Network analysis, Image processing.
<b>Workshop Attended</b>	<ul style="list-style-type: none"><li>Graphical System Design Platform LABVIEW.</li><li>Building Autonomous Robots using Logic Gates.</li><li>Protection of Potential Inventions through Patent Filing.</li></ul>

### Internships

1. Certified by Gill Instruments –Bengaluru.
2. Completed Platinum certification in BSNL-EETP.

### Achievements

1. Participated in District level shuttle badminton.
2. Participated in many of events conducted in college.
3. Qualified for final round of NIYANTRA-15.
4. District secretary of a NGO (Let's Care).

### Projects Accomplished

#### Design and implementation of Bore well rescue robot using LABVIEW

This robot is used to rescue small kids who fall into bore wells. We have used LABVIEW software to Program this robot. We have used MyRIO kit of National instruments as an interface. In this we use Robotic arms to hold child from the top and in order to provide support from bottom we use air bags. This bottom support is necessary so that the child will not slide further down.

**I-switch (Intelligent switch) using MSP 430 microcontroller**

This is a new technology of switch which replaces mechanical switches. Advantages of these types of switches are they are highly reliable and long lasting. These switches can be operated both by touch and remote control.

**Farmer friendly aerial vehicle for pest control and monitoring**

This is an aerial vehicle similar to quadcopter. This is used to spray pesticides for areca plantations. Areca trees are of height 50-60 feet so spraying pesticide for the crop is a difficult task. The technologies currently used are not much suitable for the objective. These methods have many disadvantages. So, to overcome those disadvantages we have come up with a solution. This aerial vehicle consists of a container which will have pesticide in it. Then aerial vehicle carries pesticide container till the crop and then pesticide is sprayed onto the crop. All these actions are controlled remotely. We have used MSP 430 microcontroller for the control of operations in the aerial vehicle.

**Personal Profile**

<b>Name</b>	Sanjay B M
<b>Date of Birth</b>	7 <sup>th</sup> May,94
<b>Fathers Name</b>	B V Manohar
<b>Mothers Name</b>	B V Kusuma
<b>Sex</b>	Male
<b>Marital status</b>	Unmarried
<b>Blood group</b>	O+ve
<b>Languages Known</b>	English, Kannada, Telugu, Hindi
<b>Nationality</b>	Indian
<b>Address</b>	Jayalakshmi Provisions ,Mahadevi Road ,Challakere (T),Chitradurga-577522

**Place:** Bengaluru

**Date:**

**Signature**  
(Sanjay BM)