**Curriculum vitae**

**Er.AKASH CHAUDHARY**

**B.TECH**

**Bio Medical Engineer**  
  
**OBJECTIVE:**

* To work as an active member in a challenging & creative environment where my interpersonal and technical skills are fully utilized to pursue a challenging and rewarding career and contribute towards Organizational goal.

**EDUCATIONAL QUALIFICATION:**

* Course Institution Year of Study Percentage
* B.TECH.+M.TECH :-  **CGPA 6.6** (BIOMEDICAL ENG) SHOBHIT UNIVERSITY Meerut (provisional)
* DDPS GHAZIABAD - XII – 2007
* DDPS GHAZIABAD -  X  - 2005

**PROGRAMMING SKILLS**:

* **Programming languages** : C, C++, Ms-office, MS-DOS
* **Operating Systems** :Windows 98, XP, Windows 7, windows 8 ,Linux

**AREA OF INTEREST**:

* Bio Medical Instrumentation.
* Assist Devices.
* Diagnostic in heart and rehabilitation
* Diagnostic instruments for Or-tho and Heart (**CT, MRI, EEG, ECG, ULTRA SOUND,**)
* Patient monitor, Pulse oximeter , Defibrillator
* Critical care units  (icu,ccu,micu,cath lab and general OT)

**AWARDS & ACHIEVEMENTS:**

* Successfully done the NABH audit 2016 in Yashoda hospital Kushambi with no NC in Dert.
* Successfully got the NABH 2015 certificate without any NC in BME depart.
* Team member of NABH/NABL team of Yashoda hospital 2013-2015
* Attended workshop on Mat lab and its applications.
* Attended workshop on Lab VIEW and its applications, Engineering and graphical system.
* Workshop on Science & technology applications at Shobhit University.
* Student member of ISTE and NSS.
* Attended a Guest Lecture on 'Accidents and Orthopedics & its Awareness'.
* Organizer of Technical level symposiums in college events.
* Pursuing course on C++,JAVA

**INDUSTRIAL TRAINING:**

* Visited Lotus Laboratories, **Bangalore**.
* Trident Tech Labs, **Bangalore.**
* Medicamen biotech .ltd. **Uttrakhand.**
* ATI-EPI-Dehradun. Advanced Training Institute EPI, **Dheradun**
* Completed six months training from **YASHODA SUPER SPECIALITY HOSPITAL**

**Experience**

* Presently working with **Yashoda Super specialty Hospitals** Ghaziabad as **Group Head Bio**- **Medical Engineer** from 2 January 2013 to till Date. It is a 310 bedded NABH Accredited hospital.
* **E**nsure proper functioning and maintenance of hospital medical equipment.
* Performance periodical service to medical equipment including ventilator, monitor, syringe pump etc.,
* Coordinate with equipment manufactures and technician in maintenance and service of equipment.
* Conducting periodical calibration of equipment and ensure their function are with in per -scribe quality standard and norms.

**PROJECTS:**

* Undergone a project on "Respiratory Alarm" and **"Digital Stenography".**
* Undergone a project on "Wireless Communication using **ZigBee** in Patient Monitoring"
* The main objective of this project is to measure the Blood pressure using non-invasive technique along with Temperature continuously using parameters such as ECG, PPG which are physiological parameters obtained from Heart and Ear lobe using appropriate sensors. The physiological parameters are transmitted over a range of 120mt using **ZigBee Technology** which acts as a Transceiver. **ZigBee** Transmitter acquires the signals and transmits it to the ZigBee Receiver where it’s received and finally the calculated Output of Blood Pressure along with Temperature is displayed on the Computer using Visual Basic6.0.
* Undergoing project on pace maker self researching on increasing battery life for life time and stability of pace maker without regular checkups.
* **Mini Project:**
* **1.** New method for detection of sleep apnea (under the guidance of Prof. Chaitanya Srinivas L.V

Department of Biomedical Engineering,)

* **Team Size: 2 (Two)**

The main goal of this work is to explore various possible relationships among sleep stages and apnea events and improve on the clinical accuracy of algorithms for sleep classification and apnea detection. EEG signals assessed using advanced signal processing approaches in which EEG signal is segregated into different frequency bands-delta ,alpha, theta and gamma. These parameters are used for the detection of sleep apnea with the help of artificial neural network. Therefore, to devise a more economical method, we focus mainly on the sole ability of cortical EEG for the detection of sleep apnea.

**STRENGTHS:**

* Comprehensive problem solving abilities.
* Team facilitator.
* Hard worker.
* Adaptable.
* An attitude to accept challenges with full responsibility, Dedicated, Trustworthy, Punctual

**PERSONAL DETAILS:**

DOB : 04.09.1992  
Age : 22

Height                         :           5, 10  
Linguistic skills :   English, Hindi, ILETS (R/W/U/S).  
Hobbies : Listening music, Reading books. Playing badminton

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E-mail                      :           [biomedicalengineer80@gmail.com](mailto:biomedicalengineer80@gmail.com)

**DECLARATION:**

I hereby declare that the above furnished details are true to the best of my knowledge.

**Place:** Ghaziabad  
**Date: 30/09/2016**

**(AKASH CHAUDHARY)**