

PRASANTH SANKAR

Sree Sankaram, Thuyyam,
Edappal P.O, Malappuram (Dist)
Kerala- 679576, India
Email: prasanth33@gmail.com
Alt. Email: prasanth_33@yahoo.com
Mobile: +919964522360

Career Objective

To obtain a responsible and challenging position where my education and experience will have valuable application.

Profile

Post graduate from **IIT Bombay**, with a B.tech degree in Applied Electronics & Instrumentation engineering from University of Calicut, Kerala. Enthusiastic in jobs which can provide the necessary exposure, competence and skill in the relevant fields.

Professional Strength

- ▶ Maintain positive attitude in the face of changes in work assignments.
- ▶ Good communication skill with effective leadership qualities.
- ▶ Team coordination and group skills

Interests

- ▶ Design and fabrication of MEMS (Micro Electro Mechanical System) devices.
- ▶ Automation and control
- ▶ Biomedical Engineering
- ▶ Design and fabrication of Transducers and biomedical sensors.
- ▶ Instrumentation
- ▶ Electronic design
- ▶ Software Programming

Computer Skills

- ▶ C, C++, VC++, Java, Developer 2000, Oracle 8i, National Instruments Labview CVI.

Industrial Automation Tools

- ▶ SCADA(Wonderware InTouch) , PLC, DCS

MEMS Skills

- ▶ CoventorWare, Intellisuite
- ▶ Familiar with clean room technologies.
- ▶ Over 1 and half years clean room experience.
- ▶ Expertise in photolithography, Dry Etching (RIE), Wet etching, Wire bonding, Characterization and thin film growth using PECVD, Sputtering.
- ▶ Designed, simulated and fabricated MEMS devices for detection explosives, which includes devices such as microheaters, piezoresistive microcantilevers.

Education

EXAMINATION	BOARD	YEAR OF PASSING	CPI / %	INSTITUTION
M.Tech (Biomedical Engineering)	IIT BOMBAY	July 2007	CGPI: 9 /10	IIT Bombay, Mumbai
B-Tech (Applied Electronics & Instrumentation.)	UNIVERSITY of CALICUT	2001	75.66	MES College of Engineering, Kuttipuram, Kerala
PGDSSA (Post Graduate Diploma in Software Engineering)	WINSOFT	2001	77.4	WINSOFT, Trivandrum, Kerala
AISSCE(XII th)	CBSE	1996	70	Chinmaya Vidyalaya Tripunithura, Kerala
AISSE(X th)	CBSE	1994	85.4	Chinmaya Vidyalaya Tripunithura, Kerala

Projects under taken

1. M. Tech Project

- ▶ Project titled "**Detection of explosives using microsensor**" is related to the designing / fabrication of MEMS (Micro Electro Mechanical System) devices for detection of explosives. The project aims at designing a MEMS device which can successfully detect even small traces of explosives.
- ▶ MEMS sensor is simulated using CoventorWare simulation software.

- ▶ Project guide: **Dr. Soumyo Mukherji**, Professor, School of Biosciences and Bioengineering, IIT Bombay, India.
- ▶ Co-guide: **Dr. V.Ramgopal Rao**, Professor, Electrical Department, IIT Bombay, India
- ▶ Project done at Micro Electronics Laboratory, IIT Bombay.
- ▶ Designed and fabricated a working microheater.

2. Course work Project

- ▶ Design and implementation of "**Real time ECG monitor**" using National instruments lab-windows as a part of course work in the subject "Virtual Instrumentation in Biomedical Engineering". This project deals with the real time monitoring of the ECG and gives a detailed report on the present status of health on a real time basis.

3. B.tech Project

- ▶ Sequence control of solvent recovery unit using DCS

Courses Studied

- ▶ Micro Electronics /MEMS:
 - Biomedical Microsystems, VLSI Technology, MEMS, Biosensors, VLSI Design.
- ▶ Electronics:
 - Linear Integrated Electronics, Digital Electronics, Analog devices and circuits, Analog communication, Power Electronics, Microprocessors -8085, 8086.
- ▶ Instrumentation
 - Basic Instrumentation, Automatic Process control, Control systems, Sensors and Transducers, PLC, PLC Programming, SCADA, DCS

Achievements and activities

- ▶ B.tech rank holder in University of Calicut, Kerala.
- ▶ Selected for post of Software engineer in IBS Software, Technopark, Trivandrum, Kerala, through campus placement (B.tech), 2001.
- ▶ Organized two Short Term Training Programmes sponsored by AICTE, at MES College of Engineering, Kerala, 2005.
- ▶ General Secretary of the Alumni Association, MES College of Engineering, Kerala.

Previous Job Experience

- ▶ Presently working as senior design engineer in Veol Labs. Veol labs is a biomedical company with head office at Mumbai. www.veollabs.com
- ▶ Research assistant/Lecturer in Applied Electronics & Instrumentation in MES College of Engineering (Calicut University), Kerala, for 3 years (2002-2005).
- ▶ Shift Operations Engineer in Kerala State Electricity Board, Kerala – India, for 3 months(2002)
- ▶ Successfully completed the training program for the post of software engineer , IBS Software, at Winssoft,Trivandrum ,Kerala

References

Dr. Soumyo Mukherji
Associate Professor,
School of Biosciences and Bioengineering,
IIT Bombay, India
Email: mukherji@iitb.ac.in
Ph: 91-2225767767

Dr. V.Ramgopal Rao
Professor,
Electrical Department
IIT Bombay, India
Email: rrao@ee.iitb.ac.in
Ph: 91 -222576 7456

Personal Profile

Date of Birth : 01/09/1978
Passport number : B 3590711
Permanent Address : Sree Sankaram, Thuyyam,
Edappal P.O, Malappuram (Dist)
Kerala- 679576, India

I hereby certify that all the above mentioned facts are true to the best of my knowledge.

Date: 01/10/2007
Bangalore

Prasanth Sankar