

Shyama Menon

Kerala
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Education

- Aug 2014 | **B.Tech in Biomedical**, *KMCT College of Engineering for Women*, GPA: 7.2,
May 2018 *Kerala*.
- April 2013 | **12**, *Kendriya Vidyalaya*, GPA: 7.4, *New Delhi*.
May 2014
- April 2011 | **10**, *KES School*, GPA: 8.6, *New Delhi*.
May 2012

Work Experience

- 12 – 23 June **Intern**, *National Physical Laboratory*, New Delhi.
2017
 - o Worked on the development of a 3D printed Lagmuir-Blodgett trough used for fabrication and characterisation of thin film monolayer molecules
 - o Saved significant time and money on development/testing via rapid prototyping and computational modelling
- June 2018 – **Trainee**, *Cyrix Healthcare Pvt Ltd*, Kerala.
Oct 2018
 - o Familiarised with the working, maintenance and servicing of medical equipments
 - o Conducted preventive maintenance of hospital equipments

Skills

- Programming C, MATLAB, Keil
Languages
- Workshops Attended Ultrasound imaging by Niranjana Ultrasound Pvt Ltd, Implants workshop by Medtronics, Domestic engineering by Social Research Society, Emergency medicine by MIMS
- Activities Active NSS volunteer, Member of Medical Instrumentation and Research Association, Headed designing committee as part of college fest

Projects

Automatic Detection of TB, MATLAB.

Computer aided diagnosis of TB from posteroanterior chest x-ray images using image processing techniques such as preprocessing, segmentation, feature extraction and classification. This project was done in coordination with the Product Engg. department of NIELIT, Calicut.

http://www.slideshare.net/ShyamaMenon1/automatic-detection-of-tb?from_m_app=android

Anaesthesia Monitor, *Arduino*.

Designed and developed an anaesthesia monitor that indicates the depth of anaesthesia by analysing the heart rate of the patient.

Proton Beam Therapy, *Seminar*.

A high precision radiotherapy that directs protons at tumours with the intent of eradicating the neoplastic tissue while preserving adjacent healthy tissue

http://www.slideshare.net/ShyamaMenon1/proton-beam-therapy-114449511?from_m_app=android

Personal profile

Date of birth : 10 July 1996

Father's name : Jai Shankar Menon

Marital status : Single

Languages known : English, Hindi, Malayalam, Tamil

DECLARATION

I hereby declare that the particulars furnished above are true to the best of my knowledge and belief.

Place : Aluva.

Date : 12 Sept 2018.