



PhD Project

Project Details

Project Title	Design and Development of a nerve monitor device for application in head and neck surgeries
Project Summary	Surgery in the head-and-neck regions that hosts multiple nerves face the herculean challenge of accidental severing of the nerves. In this work, we propose to develop a nerve monitor device to guide the surgeon during critical procedures.

PhD Supervisors

Role	Faculty	Academic Unit in IITD	Email ID
Supervisor 1	Dinesh Kalyanasundaram	Biomedical Engineering	Dineshk.iitdelhi@gmail.com
Supervisor 2	Kapil Sikka	ENT, AIIMS	kapil_sikka@yahoo.com

Project requirements (Student qualifications, experience required, etc)

- Masters or Bachelors in Mechanical or Mechantronics Engineering
- Masters in Audiology or Biology
- MBBS

Source of funding (IRD/FITT Project details, if any)

IRD Project (RP04255)

Role of Faculty Members involved:

Prof. Dinesh Kalyanasundaram will guide the candidate in design and development of the medical device.
Dr. Kapil Sikka will guide the candidate in experimental validation of the medical device.