

Medical Image Analysis
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Lecture 1

INTRODUCTION

Hello and welcome to the Medical Image Analysis course offered on the NPTEL platform I am Ganapathy faculty at IIT madras. And I will be an instructor for this course and I will be teaching you over the next 10 to 12 weeks about various new and old techniques in the field of medical image analysis.

These especially I will also be covering the latest machine learning techniques data intensive machine learning techniques used in the clinic. I will also be accompanied by two clinicians who will share their perspective on how these methods translate to the clinic. They will also talk about slightly less discussed aspects in medical image analysis especially in the applications in endoscopy, laparoscopic surgery as well as image (1:01) surgery.

This course will have a lot of coverage on the theoretical aspects of the techniques we will have a lot of demonstrations we will be mostly using the matlab platform for demonstrations as well as some coding. I hope that this course will offer you as a platform to learn more about the applications of medical image analysis in the clinic as you know either for your profession or for your academic career. Thank you.