Report on ITM

Faculty Name: Dr. K. Nagi Reddy
Year/Semester: III-I
Course: ATLC

Adopted Teaching Methodology: NPTEL Videos

Date: 17-5-2023

Topic: Design of Turing Machine (AT).

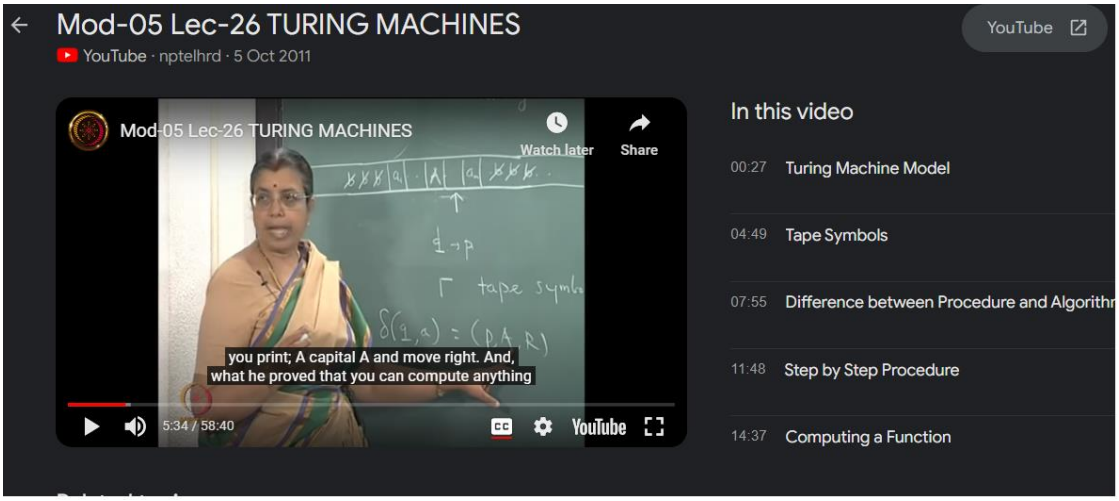
Description:

NPTEL Videos

Video lecture is a modern method of learning which comes with numerous benefits of its own. This method is individual focused, easy for teachers. Video lectures are one such way, using which students can improve the overall learning experience of classroom. The primary goal of the National Programme on Technology Enhanced Learning (NPTEL) is to improve the quality of engineering and scientific education in the nation by generating material for undergraduate and postgraduate curricula via the use of video and web-based courses. These courses cover university curriculum that have been authorised by AICTE. The course materials will be valuable for teacher training and will help to increase student quality. Professionals may utilise these courses to refresh their academic credentials.

Design of Turing Machine **(AT)** and the session was guided by **Dr.K.Nagi Reddy** .
The outcome of the method is to learn the **Construction of a Turing Machine** involves various techniques such as enumeration, recursion, state tables, state diagrams, and high-level language programming. The choice of technique depends on the complexity of the problem and the expertise of the programmer.

URL:
https://www.youtube.com/watch?v=IhyEGNn-7Uo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you print; A capital A and move right. And,
what he proved that you can compute anything
5:34 / 58:40
In this video
00:27 Turing Machine Model
04:49 Tape Symbols
07:55 Difference between Procedure and Algorithr
11:48 Step by Step Procedure
14:37 Computing a Function