

Automatic Lecture Summarizer

Hauva V ali¹, P Saundarya Rao², Shreya Smarth³, Shivani Nanepag⁴
Nitika Gurrall⁵ and Dr. Prabha Nair⁶

Students, Department of Computer Science and Engineering^{1,2,3,4,5}
Assistant Professor, Department of Computer Science and Engineering⁶
S. B. Jain Institute of Technology, Management and Research, Nagpur, India

Abstract: *Due to the advance of web technologies and the popularity of video capture devices in the past few decades, the amount of video data is dramatically increasing. Videos are usually analysed by humans which demands immense manpower. Thus, automatic video summarization is an important and growing research area. By watching the summary, users can make quick decisions on the usefulness of the video. Students often feel the need to revise live class lectures for the subsequent test and examinations. With the advent advance NLP and machine learning we can now summarize the Lecture and create lecture notes for students Automatically. Our Solution will be a plugin which can be enabled by the lecturer. The plugin will record the lecture and convert it to text using available speech to text Api solutions. We will then extract the context in the lecture and apply topic modelling, extract semantics and build a summary and lecture notes for the students. Text Summarization as advanced dramatically over the last five years. Libraries and material for support are available in various academic publications' Aim is to take this technology and apply it to a real-world problem.*

Keywords: Video to Text Summary, Cosine Similarity Matrix, Extractive Text Summarisation, Automatic video summariser

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