



PES UNIVERSITY

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6th Semester Project Report on

CAPTION GENERATOR

Submitted by

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Jan – May 2020

Under the guidance of

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**FACULTY OF ENGINEERING
DEPARTMENT OF COMPUTER APPLICATIONS
PROGRAM – MASTER OF COMPUTER APPLICATIONS**



**FACULTY OF ENGINEERING
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CERTIFICATE**

This is to certify that the project entitled

CAPTION GENERATOR

is a bonafide work carried out by

VIJAYKUMAR R PAI - PES1201702013

in partial fulfillment for the completion of 6th semester project work in the Program of Study MCA with specialization in Data Science under rules and regulations of PES University, Bengaluru during the period Jan. 2020 – May 2020. The project report has been approved as it satisfies the 6th semester academic requirements in respect of project work.

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I, **VIJAYKUMAR R PAI (PES1201702013)**, hereby declare that the project entitled, ***CAPTION GENERATOR***, is an original work done by me under the guidance of **Dr. THENMOZHI S, Associate Professor, Department of Computer Applications**, and is being submitted in partial fulfillment of the requirements for completion of 6th Semester course work in the Program of Study **MCA**. All corrections/suggestions indicated for internal assessment have been incorporated in the report. The plagiarism check has been done for the report and is below the given threshold.

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Vijaykumar R Pai

ABSTRACT

Humans have the ability to see visuals and comprehend the information associated with the visuals. The human brain automatically does this process. Can computers mimic the same? This question gives rise to this project "Caption Generator". Caption Generator is a machine learning application that identifies the action portrayed in the given image. The objective is to generate a caption that well describes the image. The machine has to be artificially trained to identify the captions as a meaning description of the given image. The application has to take the image as input and recognize the context of the image and describe them in a natural language like English. Suitable deep learning and artificial intelligence is used to achieve the objective.

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