

**PES UNIVERSITY**

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**100-ft Ring Road, Bengaluru – 560 085, Karnataka, India**

***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**



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**CERTIFICATE**

*This is to certify that the project entitled*

**CAPTION GENERATOR**

*is a bonafide work carried out by*

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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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**DECLARATION**

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 Generatoris 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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