

**PES UNIVERSITY**

**(Established under Karnataka Act No. 16 of 2013)**

**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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| **Internal Guide** |
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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*

**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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**DECLARATION**

I, **VIJAYKUMAR R PAI,** hereby declare that the project entitled, ***CAPTION GENERATOR,*** is an original work done by us under the guidance of **Dr. S THENMOZHI,** Associate Professor, Department of Computer Applications, PES University 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.

**PLACE:**

**DATE:**

*NAME AND SIGNATURE OF THE CANDIDATE*

**ACKNOWLEDGEMENT**

This project would not have been successful without the kind support and help of many individuals and organization. I would like to extend my sincere thanks to all of them.

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I would like to express my gratitude towards my parents for their kind co-operation and encouragement, which helped me in completion of this project.

My thanks and appreciation goes to people who have willingly helped me out in different capacities.

It took 5 months to learn the concepts and develop the project. It is definitely worth remembering those precious moments when new ideas popped up in our minds.

We have worked hard to the best of our abilities and tried not to make any mistakes. If any are found, they are unintended.

Vijaykumar R Pai

**ABSTRACT**

Caption Generatoris a Machine Learning Application that identifies the action portrayed in the given image. The generated caption will describe about the image that will say what kind of actions is taking place in it. This project involves computer vision and natural language processing concepts to recognize the context of an image and describe them in a natural language like English. The objective of the project is to build a working model of Caption Generator by implementing CNN with LSTM.

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