



SCHOOL OF INFORMATION TECHNOLOGY AND ENGINEERING

B.Tech (IT) - ITE499 - PROJECT WORK

PROJECT APPROVAL FORM (1st Review)

Note: All Internship students should take up individual project only. In-house projects may be permitted to do in groups, subject to the approval, based on the complexity of the design project.

Whether in-house/internship/SAP	Internship	In-house ✓	SAP
	Student-1	Student-2	Student-3
Register No.	14BIT0180	N/A	N/A
Name	Saurabh Mathur		
Mobile No.	+91 9952548600		
E-Mail	saurabhmthur96@gmail.com		
Name of the Internal Guide	Prof. Daphne Lopez		

For Internship students only	(Attach the Xerox Copy of the offer letter with date of joining)	
Company Name	N/A	
Company Address	N/A	
Name of External Supervisor	N/A	Contact No/Email N/A
Date of commencement of internship	N/A	
Date of leaving from campus for internship	N/A	

Project Title:

Automated Image Captioning System

Abstract:

Many forms of media frequently lack alternative text for images. This lack of image captions hampers the accessibility of their content. Hiring people to write captions for those pictures is often prohibitively expensive. The use of an automated system to write the captions would be a viable alternative. The objective of the project is to develop such a system which can generate descriptive captions for a given image.

Advances in Computer Vision have led to the development of Artificial Neural Network (ANN) based feature extractors like the Convolutional Neural Network (CNN). These feature extractors can convert digital images into rich high-level representations using a statistical model previously learned from labeled data. Additionally, ANNs can be modified to model sequences of symbols like sentences. One such type of ANN is the Recurrent Neural Network (RNN).

The proposed implementation of the image captioning system would feed the features extracted by a CNN to an RNN. The RNN would generate a caption based on the previously obtained image features.

Note to the students:

The student should meet / contact (internship students) the guides regularly to get guidance for the project.

Student's Signature:**Note to the Guides:**

- The students should meet the guides regularly to get the guidance on the project.
- If the students are not meeting the guide regularly, the guides are requested to send a mail to the project coordinator (pgshynu@vit.ac.in) to take

necessary action against students. (Not permitted for review / reducing marks).

- The Internship offer students are permitted to leave the campus only before 5 days of the joining date.

Guide's Comments

Guide's Decision Accepted / Rejected

Guide's Signature

Guide's Name