

IMAGE/VIDEO OPTIMISATION TECHNIQUE IN 5G NETWORK USING AI & ML

A PROJECT REPORT

Submitted by,

Theertharaj A N - 20211CSD0118

Kamal S K - 20211CSD0205

Varsha T S - 20211CSD0083

Tanishka A - 20211CSD0040

Under the guidance of,

Mr. Lakshmisha S K

in partial fulfillment for the award of the degree

of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING (Data Science)

At

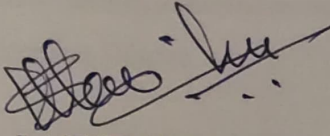


GAIN MORE KNOWLEDGE
REACH GREATER HEIGHTS

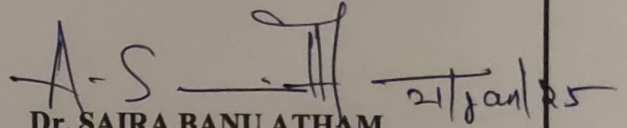
**PRESIDENCY UNIVERSITY
BENGALURU
DECEMBER 2024**

CERTIFICATE

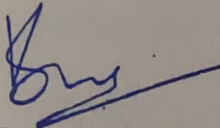
This is to certify that the Project report "IMAGE/VIDEO OPTIMISATION TECHNIQUE IN 5G NETWORK USING AI & ML" being submitted by "Theertharaj.A.N, Kamal.S.K, Varsha.T.S, Tanishka.A" bearing roll number(s) "20211CSD0118, 20211CSD0205, 20211CSD0083, 20211CSD0040" in partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering is a bonafide work carried out under my supervision.



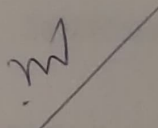
Mr. LAKSHMISHA S K
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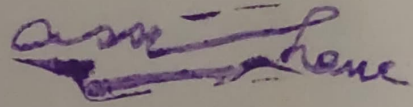
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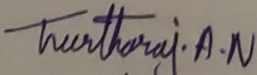
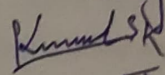
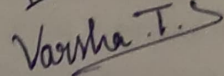
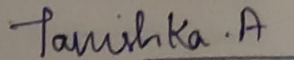


Dr. SAMEERUDDIN KHAN
Pro-VC School of Engineering
Presidency Dean -School of CSE&IS
Presidency University

DECLARATION

We hereby declare that the work, which is being presented in the project report entitled **IMAGE/VIDEO OPTIMISATION TECHNIQUE IN 5G NETWORK USING AI & ML** in partial fulfillment for the award of Degree of **Bachelor of Technology in Computer Science and Engineering (Data Science)**, is a record of our own investigations carried under the guidance of **Mr. Lakshmisha S K, Assistant Professor, Presidency School of Computer Science Engineering, Presidency University, Bengaluru.**

We have not submitted the matter presented in this report anywhere for the award of any other Degree.

Name	Roll No	Signature
Theertharaj A N	20211CSD0118	
Kamal S K	20211CSD0205	
Varsha T S	20211CSD0083	
Tanishka A	20211CSD0040	

ACKNOWLEDGEMENT

First of all, we indebted to the **GOD ALMIGHTY** for giving me an opportunity to excel in our efforts to complete this project on time.

We express our sincere thanks to our respected dean **Dr. Md. Sameeruddin Khan**, Pro-VC, Presidency School of Engineering and Dean, Presidency University for getting us permission to undergo the project.

We express our heartfelt gratitude to our beloved Associate Deans **Dr. Shakkeera L** and **Dr. Mydhili Nair**, Presidency School of Computer Science Engineering, Presidency University, and **Dr. Saira Banu Atham**, Head of the Department, Presidency School of Computer Science Engineering Presidency University, for rendering timely help in completing this project successfully.

We are greatly indebted to our guide **Mr. Lakshmisha S K**, Assistant Professor and Reviewer **Ms. Ankitha Bhaumik**, Assistant Professor, Presidency School of Computer Science Engineering, Presidency University for his/her inspirational guidance, and valuable suggestions and for providing us a chance to express our technical capabilities in every respect for the completion of the project work.

We would like to convey our gratitude and heartfelt thanks to the PIP2001 Capstone Project Coordinators **Dr. Manjula H M**, **Dr. Sampath A K**, **Dr. Abdul Khadar A** and **Mr. Md Zia Ur Rahman**, department Project Coordinators **Mr. Lakshmisha S K** and Git hub coordinator **Mr. Muthuraj**.

We thank our family and friends for the strong support and inspiration they have provided us in bringing out this project.

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