



# Department of Applied Sciences

Faculty of Technology, Gauhati University

Gopinath Bordoloi Nagar, Guwahati-14, Assam, e-mail: [appliedsc@gauhati.ac.in](mailto:appliedsc@gauhati.ac.in)

URL: <https://www.gauhati.ac.in/academic/technology/applied-sciences>

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Ref.: AppSc/StuProj/CU\_MS/170822

Date: Aug 17, 2022

## CERTIFICATE

This is to certify that the project titled as “An end-to-end application to align multiple images” submitted by MRIDUPABAN SAIKIA for the award of the degree of Master of Computer Application (MCA) in the Department of Computer Science and Information Technology, Cotton University, is the outcome of a *bona fide* project work carried out under my supervision. This work has not been submitted previously for any other degree in this or any other University/Institute. I recommend that the project report may be accepted as a partial fulfilment of the requirements for the degree of MCA of Cotton University.

Head  
Department of Applied Sciences  
Gauhati University  
Guwahati-14, Assam

Date: Aug 17, 2022

(Dr Eeshankur Saikia, External Guide)

Place: Guwahati 14

Professor & Head, Department of Applied Sciences,  
Gauhati University, Guwahati-14, Assam, India



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Ref.: AppSc/StuProj/CU\_PPS/170822

Date: Aug 17, 2022

### CERTIFICATE

This is to certify that the project titled as “*Developing an Image Alignment Algorithm*”, submitted by **PARSWA PRANTIK SAIKIA** for the award of the degree of **Master of Computer Application (MCA)** in the Department of Computer Science and Information Technology, Cotton University, is the outcome of a *bona fide* project work carried out under my supervision. This work has not been submitted previously for any other degree of this or any other University/Institute. I recommend that the project report may be accepted in partial fulfilment of the requirements for the degree of MCA of Cotton University.

Head  
Department of Applied Sciences  
Gauhati University  
Guwahati-14, Assam

Date: Aug 17, 2022

(Dr Eeshankur Saikia, External Guide)

Place: Guwahati 14

Professor & Head, Department of Applied Sciences,  
Gauhati University, Guwahati-14, Assam, India



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Ref.: AppSc/StuProj/CU\_PD/170822

Date: Aug 17, 2022

## CERTIFICATE

This is to certify that the project titled as “*Data Reduction and Preprocessing Pipeline*” submitted by **PRITAM DAS** for the award of the degree of **Master of Computer Application (MCA)** in the Department of Computer Science and Information Technology, Cotton University, is the outcome of a *bona fide* project work under my supervision. This work has not been submitted previously for any other degree of this or any other University/Institute. I recommend that the project report may be accepted as a partial fulfilment of the requirements for the degree of MCA of the Cotton University.

Head  
Department of Applied Sciences  
Gauhati University  
Guwahati-14, Assam

Date: Aug 17, 2022

(Dr Eeshankur Saikia, External Guide)

Place: Guwahati 14

Professor & Head, Department of Applied Sciences,  
Gauhati University, Guwahati-14, Assam, India



**Department of Applied Sciences**

**GAUHATI UNIVERSITY**

**Jalukbari, Guwahati, Assam-781014, INDIA**

**CERTIFICATE**

16-07-2023

This is to certify that the work accomplished in the dissertation titled "*Synthesis and characterization of ZnO/ZnS core shell Nano particles Embedded in different concentration of PVA Matrix*" by **Jesmin Sultana**, bearing Registration ID BS22MSCPH008, Studying in MSc Semester IV in the Department of Physics at Kaziranga University, is carried out under my supervision during June 2023. This work is submitted to the Department of Physics, Kaziranga University, in partial fulfillment of the requirements of Summer Internship, and has not been submitted elsewhere.

  
Head  
Department of Applied Sciences  
Gauhati University  
Guwahati-14, Assam

(Eeshankur Saikia)  
Professor & Head, Department of Applied Sciences.