

CRITERION 1

CURRICULAR ASPECTS

METRIC NO. 1.3.3

B.Sc. (H) Mathematics

Field Work / Research Project / Internship









A DISSERTATION

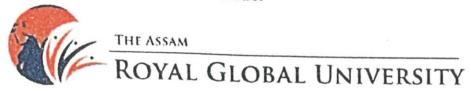
ON

A COMPARATIVE STUDY ON CLASSICAL AND FRACTIONAL SIS MODEL

In partial fulfillment of the award of the degree of

BACHELOR OF SCIENCE in MATHEMATICS

Under



Offered by ROYAL SCHOOL OF APPLIED & PURE SCIENCES

Submitted by-

Name: SWEETA SINGHA Registration No.: 1190032 Roll No.: 192011005

Academic Project Guide Name: H. IMO MANI SINGHA

Designation: Assistant Professor

Department & School: Mathematics, RSAPS

Anumaha Den

Dean, RSAPS
The Assam Royal Global University

YEAR: 2022



DECLARATION

I, Sweeta Singha, bearing Roll No. 192011005, a student of Mathematics under RSAPS, hearby declare that this Final Semester Project report entitled "A Comparative study of classical and fractional SIS model" is a bona fide project work undertaken by me, during the period of January ,2022 to July, 2022, as partial fulfillment of the requirements of the degree of Bachelors of Science in Mathematics of The Assam Royal Global University, Guwahati. Further, I declare that this report has not been submitted by me elsewhere for the award of any degree/diploma/certificate and not linked to any other qualification.

Date: 30-07-22 Place: Guwahati (SWEETA SINGHA) Registration No.: 1190032

Roll No.: 192011005

Anumelhe Den.



CERTIFICATE

This is to certify that the project report entitled "A Comparative study of classical and fractional SIS model" submitted by Sweeta Singha, a student of B.Sc. Mathematics bearing Roll No. 192011005 and Registration No. 1190032 to The Assam Royal Global University, Guwahati in partial fulfillment for the award of the degree of Bachelors of Science in Mathematics is a bona fide record of project work carried out by her under my supervision and guidance.

The contents of this report, in full or in parts, have not been submitted to any other Institution or University for the award of any degree or diploma.

Date: 30-.07.22 Place: Guwahati Kamal Jub walk.

Kamal Jub walk.

Jub walk.

A 2022

Head Department of Mathematics

Head Department Global University

The Assam Royal Global University

(H IMO MANI SINGHA)
Assistant Professor
Department of Mathematics
RSAPS
Royal Global University

Anumdha Den

Application of Fuzzy Sets in Decision Making Process Using Max-Min Method and Minimization of Regret Method

A Project Report Submitted in partial fulfillment of requirements for the degree of Bachelor of Science in Mathematics

Under



Submitted by-

Name: Souravjeet Sonowal

Registration No.: 1190031

Roll No. 192011004

Academic Project Guide-

Name: Dr. Dhiman Dutta

Designation: Assistant Professor

Department & School: Mathematics, RSAPS

Anumaha Den



DECLARATION

I, Souravjeet Sonowal, bearing Roll No. 192011004, a student of Department of Mathematics under Royal School of Applied & Pure Sciences, hereby declare that this final semester project report entitled "Application of Fuzzy Sets in Decision Making Process Using Max-Min Method and Minimization of Regret Method" is a bona fide project work undertaken by me under the supervision of Dr. Dhiman Dutta, during the period of February, 2022 to July, 2022, as partial fulfilment of the requirements of the degree of Bachelor of Science in Mathematics of The Assam Royal Global University, Guwahati.

Further, I declare that this report or a part of it has not been submitted by me elsewhere for the award of any degree or diploma and not linked to any other qualification.

Date: 30/07/2022

Place: Guwahati

(SOURAVJEET SONOWAL)

Registration No.: 1190031

Roll No.: 192011004

Anumaha Den

Deam Robars

To Angen Royal Clobal University



CERTIFICATE

This is to certify that the project report entitled "Application of Fuzzy Sets in Decision Making Process Using Max-Min Method and Minimization of Regret Method" submitted by Souravjeet Sonowal, a student of B.Sc. Mathematics bearing Roll No. 192011004 and Registration No. 1190031 to The Assam Royal Global University, Guwahati in partial fulfillment for the award of the degree of Bachelor of Science in Mathematics is a bona fide record of project work carried out by him under my supervision and guidance.

The contents of this report, in full or in parts, have not been submitted to any other Institution or University for the award of any degree or diploma.

Amyerdha Den

Dean, RSAPS

The Assam Royal Global University

Place: Guwahati

Date: 30/07/2022

Kamal Albualt 04/08/2022 Head Department of Mathematics The Assam Royal Global University

Ohiman Duta

(Dr. Dhiman Dutta) Assistant Professor, Department of Mathematics, Royal School of Applied & Pure Sciences, The Assam Royal Global University,

Guwahati-781035

A STUDY ON SOME POSITIVE OPERATORS

A Project Report Submitted in partial fulfillment of requirements for the degree of Bachelor of Science in Mathematics

Under



Submitted by-

Name: Sayanika Biswas

Registration No.: 1190030

Roll No. 192011003

Academic Project Guide-

Name: Dr. Bimalendu Kalita

Designation: Assistant Professor

Department & School: Mathematics, RSAPS

Arundha Den



DECLARATION

I, Sayanika Biswas, bearing Roll no 192011003, a student of B.Sc. Mathematics under Royal School of Applied and Pure Sciences, hereby declare that this Semester project report entitled *A Study on Some Positive Operators* is a bona fide project work undertaken by me, during the period of February 2022 to July 2022, as partial fulfilment of the requirements of the degree of B.Sc. Mathematics of The Assam Royal Global University, Guwahati.

Further, I declare that this report has not been submitted by me elsewhere for the award of any degree/diploma/certificate and not linked to any other qualification.

Date: 30/07/2022

Place: Guwahati

Jayanika Biswas (SAYANIKA BISWAS)

REGISTRATION NO:1190030

ROLL NO.:192011003

Anumalia Den

Dean, REAPS

The Assam Royal Global University



CERTIFICATE

/07/2022

This is to certify that the undergraduate project work on the topic entitled "A STUDY ON SOME POSITIVE OPERATORS" carried out by SAYANIKA BISWAS, student of B.Sc. 6th semester having Roll No. 192011003, Department of Mathematics, Royal Global University has been successfully completed her project work under my supervision. She has followed all the established rules and regulation for her literature review survey and also completed her project study sincerely.

Dr. Bimalendu Kalita,
Department of Mathematics,
Royal Global University.

Head Department of Mathematics
The Assam Royal Global University

Anumalia Deni Dean, RSAPS The Assam Royal Global University

A COMPARATIVE STUDY OF HEAT AND PARTIAL SLIP IMPACT ON BOUNDARY LAYER NEWTONIAN AND NON-NEWTONIAN FLUIDS PAST A FLAT PERMEABLE PLATE

A Project Report submitted in partial fulfillment of requirements for the Degree of Bachelor of Science in Mathematics

Under



Submitted by-

NAME: KARISMITA MEDHI

SCHOOL: ROYAL SCHOOL OF APPLIED & PURE SCIENCES

DEPARTMENT: MATHEMATICS

PROGRAMME: B.Sc. MATHEMATICS

REGISTRATION NO.: 1180008

ROLL NO. 182011003

Animaha Den

Dean, RSAPS
The Assam Royal Global University

YEAR: 2021



DECLARATION

I, Karismita Medhi, bearing Roll No. 182011003, a student of Department of Mathematics under Royal School of Applied & Pure Sciences, hereby declare that this final semester project report entitled "A COMPARATIVE STUDY OF HEAT AND PARTIAL SLIP IMPACT ON BOUNDARY LAYER NEWTONIAN AND NON-NEWTONIAN FLUIDS PAST A FLAT PERMEABLE PLATE" is a bona fide project work undertaken by me under the supervision of Dr. Kamal Debnath, during the period of February, 2021 to June, 2021, as partial fulfilment of the requirements of the degree of Bachelor of Science in Mathematics of The Assam Royal Global University, Guwahati.

Further, I declare that this report or a part of it has not been submitted by me elsewhere for the award of any degree or diploma and not linked to any other qualification.

Date: 13.08.2021

Place: Guwahati

Kanismita Medhi (KARISMITA MEDHI)

Registration No.: 1180008

Roll No.: 182011003

Animalia Den



CERTIFICATE

This is to certify that the project report entitled "A COMPARATIVE STUDY OF HEAT AND PARTIAL SLIP IMPACT ON BOUNDARY LAYER NEWTONIAN AND NON-NEWTONIAN FLUIDS PAST A FLAT PERMEABLE PLATE" submitted by Karismita Medhi, a student of B.Sc. Mathematics bearing Roll No. 182011003 and Registration No. 1180008 to The Assam Royal Global University, Guwahati in partial fulfillment for the award of the degree of Bachelor of Science in Mathematics is a bona fide record of project work carried out by her under my supervision and guidance.

The contents of this report, in full or in parts, have not been submitted to any other Institution or University for the award of any degree or diploma.

Place: Guwahati

Date: 13.08.2021

Kamal Debnath

(Kamal Debnath)

Assistant Professor & HoD

Department of Mathematics,

Royal School of applied & Pure Sciences,

The Assam Royal Global University,

Guwahati-781014.

Anymaha Den Doan RSAPS

A STATISTICAL ANALYSIS OF COVID-19 IN INDIA

A Report submitted in partial fulfillment of the requirements for the degree of B.Sc. Mathematics

Under



Submitted by:

Name: Jayshree Bhargab

School: Royal School of Applied And Pure Sciences

Department: Mathematics

Programme: Bachelor's of Science

Registration No.: 1180007

Roll No.: 182011002

Anumaha Den

A STATISTICAL ANALYSIS OF COVID-19 IN INDIA

A Report submitted in partial fulfillment of the requirements for the degree of B.Sc Mathematics

Offered by

ROYAL SCHOOL OF APPLIED AND PURE SCIENCES

Submitted by:

Name: Jaysree Bhargab

RegistrationNo.: 1180007

RollNo.: 182011002

Academic project guide:

Name: Professor Dr. Anuradha Devi, Dean, RSAPS

&

Assistant professor Dr. Bapan Kalita

Anumaha Den



CERTIFICATE

Ref.....

Date: 09-08-2021.

This is to certify that the graduate seminar study and research paper entitled "A STATISTICAL ANALYSIS OF COVID-19 IN INDIA" carried out by JAYSHREE BHARGAB, student of B.Sc. 6th semester having Roll No. 182011002, Department of Mathematics, Royal Global University has been successfully completed in his graduate seminar study and research paper under our supervision. She has followed all the established rules and regulation for his literature review survey. She has done her graduate seminar study and research paper sincerely.

Signature of supervisor

Anundha Devi 9/8/2021

Dr. ANURADHA DEVI

Bapan Kalika 9/8/2021

Dr. BAPAN KALITA

Department of Mathematics

The Assam Royal Global University

Guwahati-781035

Animalia Den

Head Department of Mathematics
The Assam Royal Global University