

**KARNATAK UNIVERSITY, DHARWAD**



**S.A.V.V.P. Samiti's**

**SHREE ANNDANESHWAR ARTS, SCIENCE,  
COMMERCE COLLEGE AND P.G. CENTER  
NAREGAL -582119.**

**DEPARTMENT OF STUDIES IN MATHEMATICS**

**A Project Report On  
"SIMULTANEOUS DIFFERENTIAL EQUATIONS"**

**Submitted in partial fulfillment of requirements  
for the awarded of degree of**

**Master of Science  
in**

**Mathematics**

**Project Associate**

**Miss. Parveenbanu Meeranaik**

**20S14156**

**Under the Guidance of  
Shri. Nirupadi. K**

**2021-2022**

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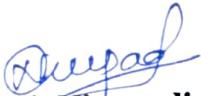
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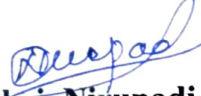
SHREE ANNDANESHWAR ARTS, SCIENCE,  
COMMERCE COLLEGE AND P.G. CENTER NAREGAL -  
582119.


## Certificate

For Approval of Project Work


This is Certified that **Miss. Parveenbanu Meeranaik, Reg No: 20S14156**, have satisfactorily completed project work entitled as **“SIMULTANEOUS DIFFERENTIAL EQUATIONS”** for the partial fulfillment of the degree in **MASTER OF SCIENCE** in **Mathematics** for the academic year **2021-2022**.

  
**Shri. Nirupadi. K**  
Project Guide

  
**Shri. Nirupadi. K**  
Co-ordinator


  
**Shri. S. G. Keshannavar**  
Principal  
Shri Annadaneshwar Arts, Science,  
Commerce College And P. G. Centre  
NAREGAL-582 119, Dt. Gadag (Karnataka)

Examiners:

- 1)  6-8-22
- 2)

## **DECLARATION**

I hereby declare that, the project work reported in this dissertation entitled “SIMULTANEOUS DIFFERENTIAL EQUATIONS” is original work and is carried out by me under the guidance of Shri. Nirupadi. K, Department of Mathematics, Shree Annadaneshwar Arts, Science, Commerce College & P. G. Center, Naregal. I further declares that this has not been previously presented for the award of any degree.

<b>Candidate Name</b>	<b>Register No</b>	<b>Signature</b>
Miss. Parveenbanu Meeranaik	20S14156	

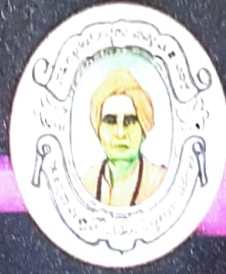




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**KARNATAK UNIVERSITY, DHARWAD.**



**SHREE ANNADANESHWARA ARTS, SCIENCE,  
COMMERCE COLLEGE AND P.G CENTRE  
NAREGAL - 582119.**

**P.G. DEPARTMENT OF MATHEMATICS**

**A PROJECT REPORT ON :**  
**LAPLACE TRANSFORMS AND  
IT'S APPLICATIONS**

Submitted in partial fulfillment of requirements  
for the award of degree of  
*Master of Science in  
Mathematics*

Submitted by  
**Miss. Megha A. Ronad**  
Register No : 17S14200

Under the Guidance of  
**Miss. N. B. JUTLAD**

**2018-2019**



**KARNATAK UNIVERSITY, DHARWAD.**



**SHREE ANNADANESHWARA ARTS, SCIENCE,  
COMMERCE COLLEGE AND P.G CENTRE  
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**P.G. DEPARTMENT OF MATHEMATICS**

**A Project Report On :**  
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**Submitted by :**

**Miss. Megha A. Ronad**

**17S14200**

**Under the Guidance of  
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**2018-2019**

KARNATAK UNIVERSITY, DHARWAD.



**SHREE ANNADANESHWARA ARTS, SCIENCE,  
COMMERCE COLLEGE AND P.G CENTRE  
NAREGAL - 582119.**

## Certificate

### For Approval of Project Work

This is certified that **Miss. Megha A. Ronad** have satisfactorily completed project work entitled “**LAPLACE TRANSFORMS AND IT'S APPLICATIONS**” for the fulfillment of the degree in **MASTER OF SCIENCE** in Mathematics for the academic year 2018-19.

**Miss. N. B. Jutlad**

Project Guide

Co-Ordinator

Examiners:

- 1.
- 2.

PRINCIPAL  
Shri Annadaneshwar Arts, Science,  
Commerce College And P. G. Centre  
NAREGAL-582 119, Dt. Gadag (Karnataka)



## DECLARATION

I hereby declare that this project entitled "Laplace Transform And It's Applications" has been prepared by me towards the partial fulfilment of the requirements for the award of Master Of Science in Mathematics under the valuable guidance of Miss. N.B.Jutlad department of Mathematics, Shree Annadaneshwara Arts, Science, commerce College and PG Centre, Naregal.

Place : Naregal

Date : 19 4 JUN 2019

Miss. Megha A Ronad

