

# A GRAPH THEORETICAL NETWORK MODEL ON HUMAN HEART

*A project submitted to the Bharathiar University in the partial  
fulfillment of the requirements for the award of the degree of*

## MASTER OF SCIENCE IN MATHEMATICS

Submitted by

S.ANITHA

(Reg.No. 19PMAT002)

Under the Guidance and Supervision of

Dr.S.NAGARAJAN M.Sc.,M.Phil.,Ph.D.,PGDCA.,B.Ed.,



DEPARTMENT OF MATHEMATICS  
(DBT STAR COLLEGE SCHEME)  
KONGU ARTS AND SCIENCE COLLEGE



An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore

Re-accredited by NAAC

An ISO 9001:2015 Certified Institution

ERODE - 638 107.

MARCH - 2021

**KONGU**  
*Assuring the Best*

## CERTIFICATE

This is to certify that the project entitled "A GRAPH THEORETICAL NETWORK MODEL ON HUMAN HEART" submitted to the Bharathiar University, in partial fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE IN MATHEMATICS is a record of work done by S.ANITHA (Reg. No.19PMAT002), during the period 2019-2021 of her study in the Department of Mathematics, Kongu Arts and Science College (Autonomous), Erode under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / fellowship or similar title to any candidate of any university.

Place : Erode

Date : 27.03.2021



Signature of the Guide


(Dr.S.NAGARAJAN)

Head of the Department  
Department of Mathematics  
Kongu Arts and Science College  
(Autonomous)  
Erode-338 107



Head of the Department

Head of the Department  
Department of Mathematics  
Kongu Arts and Science College  
(Autonomous)  
Erode-338 107



Principal  
**PRINCIPAL,**  
KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)  
NANJANAPURAM, ERODE - 638 181

Date of Viva-voice Examination 29.03.2021



INTERNAL EXAMINER

Head of the Department  
Department of Mathematics  
Kongu Arts and Science College  
(Autonomous)  
Erode-338 107



EXTERNAL EXAMINER

Dr. K. K. Myithili  
Associate Professor and Head  
Department of Mathematics (CA)  
Vellalar College for Women (Autonomous)  
Erode - 638 012