

Declaration by Research Scholar Originally of Research Work

I declare that the thesis entitled “*Design and Development of Decision Support System to Recommend Nutritious Food for Cardiovascular Patients*” is my own work conducted under the supervision of **Dr. Hetal Thaker** at the Department of **Computer Science**, Faculty of **Science**, Atmiya University, Rajkot, Gujarat, India and approved by the Director of Research.

I further declare that to the best of my knowledge; the thesis does not contain any part of any work which has been submitted for award of any degree either in this University or any other University without proper citation.

Date: 16/11/2024

Place: Rajkot



Signature of Candidate

Nirav Pareshkumar Mehta

Certificate of Supervisor

Certificate of Supervisor

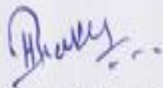
This is to certify that work entitled "*Design and Development of Decision Support System to Recommend Nutritious Food for Cardiovascular Patients*" is a piece of research work done by **Nirav Pareshkumar Mehta** under my supervision for the degree of Doctor of Philosophy in Department of **Computer Science**, Faculty of **Information Technology**, Atmiya University, Rajkot, Gujarat, India

To the best of my knowledge and belief the research work and thesis

- I. Embodies the work of candidate himself / herself,
- II. Has duly been completed,
- III. Fulfils the requirement of ordinance related to Ph.D. degree of the University &
- IV. is up to the standard both in respect of content and language for being referred to the examiner.

Date:

Place:



Signature of Supervisor

Dr. Hetal R. Thaker



ATMIYA UNIVERSITY

(Established under the Gujarat Private University Act 11, 2018)

Yogidham Gurukul, Kalawad Road, Rajkot - 360005, Gujarat (INDIA)

Certificate

Pre Thesis Submission Presentation

This is to certify that **Mehta Nirav Pareshkumar** has made Pre Ph.D. presentation on the research work entitled **Design and Development of Decision Support System to Recommend Nutritious Food for Cardiovascular Patients** in the Faculty of Science, Atmiya University, Rajkot on 05/10/2024 before Departmental Research Committee for getting feedback and comments.

This is also to certify that all the suggestions and comments given by the Doctoral Progress Review Committee are incorporated. Moreover the presented research work was appreciated and recommended by all attendees.

Date: 05/10/2024

Place: Rajkot

Director

Centre for Research, Innovation & Translation



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Thesis Approval Form

Thesis Approval Form

The Viva-Voce of the Ph.D. thesis entitled "*Design and Development of Decision Support System to Recommend Nutritious Food for Cardiovascular Patients*" submitted by **Mehta Nirav Pareshkumar (Enrolment No. 210881001)** was conducted on **16/11/2024 (Saturday)** at Atmiya University, Rajkot, Gujarat

Based on the Performance of the Candidate, We, the panel of examiners, recommend that
(Please tick any of the following)

1. He / She be awarded Ph.D. Degree
 2. He / She be awarded Ph.D. Degree with minor modification

Please Suggest Modification

3. The following modifications are to be incorporated in the thesis within one month and viva-voce be re-conducted by the same panel of examiners

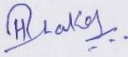
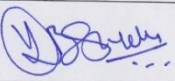
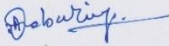
Please Suggest Modification

4. He / She should not be awarded Ph.D. Degree

Please mention Reason for Rejection

Date: 16/11/2024

Place: Rajkot

Signature			
	Research Supervisor	University Nominee	External Examiner

Declaration by Research Scholar Submission of Thesis

I declare that the submitted thesis entitled “*Design and Development of Decision Support System to Recommend Nutritious Food for Cardiovascular Patients*” incorporates

1. All the suggestions / directions / modifications / additions / deletions received from the supervisor and the external examiners through their thesis evaluation reports.
2. All the suggestions / directions / modifications / additions / deletions received from the panel of examiners during the public viva-voce (Open Defence) conducted on **16 / 11/ 2024.**

Date: 16/11/2024

Place: Rajkot



Signature of the Research Scholar

Nirav Pareshkumar Mehta

Acknowledgment

[Nirav Pareshkumar Mehta]

I extend my heartfelt gratitude to all those who supported me throughout my Ph.D. journey at Atmiya University, Rajkot. Foremost, I am profoundly indebted to my supervisor, Dr. Hetal R. Thaker, whose invaluable guidance, encouragement, and insights have been the cornerstone of my research. Her relentless support and motivation have been instrumental in navigating the challenges of this rigorous academic endeavour.

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This acknowledgment mirrors my appreciation and respect for all who have contributed to my academic pursuits and personal growth during my Ph.D. program at Atmiya University.