A Real Time Research Project Report on

DIABETES PREDICTION

Submitted to

Guru Nanak Institute of Technology, Hyderabad in partial fulfilment of the requirements for the award of the degree BACHELOR OF TECHNOLOGY

in

ARTIFICIAL INTELLIGENCE & DATA SCIENCE

By

S.RAMYA	**22831A72B4**
T.LAHARI	**22831A72B8**
T.NAVADEEP	**22831A72B9**
U.VAISHNAVI	**22831A72C1**
U.UHA SRI	**22831A72C2**
R.SAITEJA	**23835A7210**

Under the Esteemed Guidance of

Mr. K. Naveen Kumar & Mr. Anzar Iqbal

Assistant Professor

GNIT

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCEGURU NANAK INSTITUTE OF TECHNOLOGY

(Affiliated to JNTUH-Hyderabad)

Ranga Reddy District-501506

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

GURU NANAK INSTITUTE OF TECHNOLOGY

(Affiliated to JNTUH-Hyderabad Ranga Reddy District-501506

<u>CERTIFICATE</u>

This is to certify that the project entitled **" DIABETES PREDICTION"** is being presented with a report by **S.RAMYA (22831A72B4), T.LAHARI (22831A72B8), T.NAVADEEP (22831A72B9), U.VAISHNAVI (22831A72C1), U.UHA SRI (22831A72C2), R.SAITEJA (23835A7210)** in partial fulfillment for the award of **Degree of Bachelor of Technology in Artificial Intelligence & Data Science,** to **Guru Nanak Institute of Technology, Hyderabad**.

INTERNAL GUIDE   **PROJECT COORDINATOR**

Mr. Anzar Iqbal   **Mr. K. NaveenKumar**

Assistant Professor   Assistant Professor

HEAD OF DEPARTMENT

Dr. Sheetal Kundra   **INTERNAL EXAMINER**

GURU NANAK INSTITUTE OF TECHNOLOGY

Ibrahimpatnam, R.R. Dist. 501506.

VISION OF GNIT

To be a world-class educational and research institution in the service of humanity by promoting high quality Engineering and Management Education.

MISSION OF GNIT

- Imbibe soft skills and technical skills.
- Develop the faculty to reach international standards.
- Maintain high academic standards and teaching quality that promotes the typical thinking and independent judgment.
- Promote research, innovation and Product development by collaboration with reputed foreign universities.
- Offer collaborative industry programs in emerging ar eas and spirit of enterprise.

GURU NANAK INSTITUTE OF TECHNOLOGY

Ibrahimpatnam, R.R. Dist. 501506.

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

VISION

To be recognized as a leading department of Computer Science and Engineering in the region by students, employers and be known for leadership, Ethics, and commitment to fostering quality teaching-learning, research, and innovation.

MISSION

- Nurture young individuals into knowledgeable, skill-full and ethical professionals in their pursuit of Computer Science and Engineering.
- Nurture the faculty to expose them to world-class infrastructure.
- Sustain high performance by excellence in teaching, research and innovations.
- Extensive partnerships and collaborations with foreign universities for technology upgradation.
- Develop Industry-Interaction for innovation and product development.

DECLARATION

We hereby declare that the mini project report entitled **" DIABETES PREDICTION"** is the work done by **S.RAMYA, T.LAHARI, T.NAVADEEP, U.VAISHNAVI, U. UHA SRI,R.SAITEJA** bearing the roll no's **22831A72B4, 22831A72B8, 22831A72B9, 22831A72C1, 22831A72C2, 23835A7210** towards the fulfilment of the requirement for the award of the **Degree of Bachelor of Technology in Artificial Intelligence & Data Science**, to **Jawaharlal Nehru Technological University, Hyderabad,** is the result of the work carried out under the guidance **Mr K.Naveen Kumar**, Assistant Professor and **Mr Anzar Iqbal** Assistant professor **Guru Nanak Institute of Technology, Hyderabad.**

We further declare that this project report has not been previously submitted either in part or full for the award of any degree or B. Tech by any organization or university

22831A72B4	**S. RAMYA**
22831A72B8	**T. LAHARI**
22831A72B9	**T. NAVADEEP**
22831A72C1	**U. VAISHNAVI**
22831A72C2	**U. UHA SRI**
23835A7210	**R. SAITEJA**

ACKNOWLEDGEMENT

"Task successful" makes everyone happy. But happiness will be gold without glitter if we didn't state the persons who have supported us to make it a success.

We would like to express our sincere thanks and gratitude to our Principal, **Dr. S. SREENATHA REDDY** and Head of the Department, **Dr. Sheetal Kundra**, **Artificial Intelligence & Data Science,** Guru Nanak Institute of Technology for having guided me in developing the requisite capabilities for taking up this Real Time Research project.

We thank Project Coordinator **Mr. Naveen Kumar,** Assistant Professor and **Mr. Anzar Iqbal** Assistant professor **AI&DS, GNIT** for providing seamless support and right suggestions that are given in the development of the project.

We especially thank our internal guide **Mr. Naveen Kumar K**, Assistant Professor and **Mr. Anzar Iqbal** Assistant professor for his constant guidance in every stage of the Real time Research project. We would also like to thank all our lecturers for helping me in every possible way whenever the need arose.

On a more personal note, we thank our beloved parents and friends for their moral support during the course of our Real Time Research project.