

**FIRE ALARM BASED OBSTACLE AVOIDING
AND
BLUETOOTH CONTROLLED ROBOT**

*A Project Submitted to
Jawaharlal Nehru Technological University
In partial fulfillment of the requirement for the award of the degree of*

**BACHELOR OF TECHNOLOGY
in
ELECTRONICS AND COMMUNICATION ENGINEERING**

Submitted by

**M.AVINASH (21WJ1A04G9)
M. ABHISHEK (21WJ1A04H4)
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Under the guidance of
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Assistant Professor



**Department of Electronics and Communication Engineering
School of Engineering
Guru Nanak institutions Technical Campus
Ibrahimpatnam, Hyderabad, R.R.District – 501506
Month, Year**

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the Project Stage-I entitled “**FIRE ALARM BASED OBSTACLE AVOIDING AND BLUETOOTH CONTROLLED ROBOT**” being presented with report by **M.AVINASH , M. ABHISHEK , M.AJAY** bearing Roll.No. **21WJ1A04G9 , 21WJ1A04H4 , 21WJ1A04H9** in partial fulfillment for the award of Degree of Bachelor of Technology in Electronics and Communication Engineering to Guru Nanak Institutions Technical Campus (Autonomous) affiliated to Jawaharlal Nehru Technological University, Hyderabad during the academic Year 2024-2025.

INTERNAL GUIDE:

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PROJECT COMPLETION CERTIFICATE

This is to certify that the following students of final year B. Tech,
Department of **Electronics and Communication Engineering** – Guru Nanak Institution
Technical Campus (GNITC) have completed their training and project at GNITC
successfully.

STUDENT NAME

M.AVINASH
M. ABHISHEK
M.AJAY

ROLL NO

(21WJ1A04G9)
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The training was conducted on **Embedded Systems** Technology for the completion of the project
titled **“FIRE ALARM BASED OBSTACLE AVOIDING AND BLUETOOTH
CONTROLLED ROBOT”** in **JUNE 2025**. The project has been completed in all aspects.



