A Course Based Project Report on
Predicting Future Forest Fire Risk Using Historical Satellite Data

Submitted to the
Department of CSE-(CyS, DS) and AI&DS

in partial fulfilment of the requirements for the completion of course
Models for Data Science LABORATORY(22PC2DS301)

BACHELOR OF TECHNOLOGY

IN

CSE-Data Science

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VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI
INSTITUTE OF ENGINEERING AND TECHNOLOGY

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CERTIFICATE

This is to certify that the project report entitled "**Predicting Future Forest Fire Risk Using Historical Satellite Data**" is a bonafide work done under our supervision and is being submitted by **Mr. Shashank (23071A6745), Miss. Sreeja Reddy (23071A6746), Mr. Abhishek (23071A6747), Mr. Niranjan (23071A6748)**in partial fulfillment for the award of the degree of **Bachelor of Technology** in **CSE-Data Science**, of the VNRVJIET, Hyderabad during the academic year 2025-2026.

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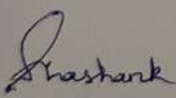
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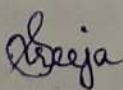VignanaJyothi Nagar, Pragathi Nagar, Nizampet(SO), Hyderabad-500090, TS, India

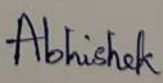## Department of CSE-(CyS, DS) and AI&DS

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DECLARATION

We declare that the course based project work entitled **"Predicting Future Forest Fire Risk Using Historical Satellite Data"** submitted in the Department of **CSE-(CyS, DS) and AI&DS**, Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology, Hyderabad, in partial fulfillment of the requirement for the award of the degree of **Bachelor of Technology in CSE-Data Science** is a bonafide record of our own work carried out under the supervision of **Mrs.N.Madhuri, Assistant Professor, Department of CSE-(CyS, DS) and AI&DS, VNRVJIET.** Also, we declare that the matter embodied in this thesis has not been submitted by us in full or in any part thereof for the award of any degree/diploma of any other institution or university previously.

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