

PROJECT REPORT

On

Indian Medicinal Plant Identification System(IMPIS)

Submitted to Rajasthan Technical University
in partial fulfillment of the requirement for the award of the degree of

B.TECH.

in

COMPUTER ENGINEERING

Submitted By

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Under the Guidance of

Dr.Anil Kumar

at



**POORNIMA INSTITUTE OF ENGINEERING & TECHNOLOGY,
JAIPUR**

RAJASTHAN TECHNICAL UNIVERSITY, KOTA

May, 2024

CERTIFICATE

This is to be certified that the project entitled “**Indian Medicinial Plant Identification System(IMPIS)**” has been submitted for the Bachelor of Computer Engineering, Poornima Institute of Engineering & Technology, Jaipur during the academic year 2022-2023 is a bonafide piece of project work carried out by “ **Sachin Sharma, Punit Mathur & Rahul Dad**” towards the partial fulfillment for the award of the Degree (B.Tech.) under the guidance of “ **Dr. Anil Kumar** ” and supervision and no part of there of has been submitted by them for any degree or diploma.

Project Guide

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CANDIDATE’S DECLARATION

We, Sachin Sharma (PIET20CS157), Punit Mathur (PIET20CS144) & Rahul Dad (PIET20CS145) B.Tech (Semester- VIII) of “Poornima Institute of Engineering & Technology, Jaipur” hereby declare that the Project Report entitled “Indian Medicinal Plant Identification System (IMPIS)” is an original work and data provided in the study is authentic to the best of our knowledge. This report has not been submitted to any other Institute for the award of any other degree.

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We are thankful to **Dr. Anil Kumar, HOD, CE** for his support, cooperation, and motivation provided to us during the training for constant inspiration, presence and blessings.

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ABSTRACT

The Indian Medicinal Plant Identification System (IMPIS) is a pioneering project that merges state-of-the-art technology with centuries-old traditional knowledge and conservation efforts. By harnessing the power of machine learning and image processing, IMPIS provides a reliable and swift solution for identifying medicinal plants.

At its inception, the project embarked on a profound journey through the annals of traditional medicine systems, recognizing the intrinsic value of Indian medicinal plants in addressing health concerns, enriching cultural practices, and preserving biodiversity.

Through meticulous training and evaluation, IMPIS showcased its ability to accurately discern medicinal plants from a wide array of species, outperforming conventional methods. Its success heralds a new era in medicinal plant research, conservation, and healthcare practices.

Looking ahead, IMPIS holds immense promise for the advancement of medicinal plant studies, conservation endeavors, and healthcare delivery systems. By fostering collaborations across disciplines, promoting inclusivity, and upholding ethical standards, IMPIS is poised to catalyze positive change. Its impact extends beyond scientific realms, encompassing human health, ecological balance, and sustainable development efforts.

IMPIS embodies a harmonious blend of innovation and tradition, offering a beacon of hope for a future where technology and nature coexist in harmony, enriching lives and safeguarding the planet's precious resources for generations to come.