

PROJECT REPORT

On

Indian Medicinial 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

Sachin Sharma (PIET20CS157)

Punit Mathur (PIET20CS144)

Rahul Dad (PIET20CS145)

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

Dr. Anil Kumar
(H.O.D C.S.E)

Project Coordinator

Indra Kishor (Asst.Professor)	Dr. Anil Kumar (H.O.D C.S.E)
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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.

**SACHIN
SHARMA
(PIET20CS157)**

**PUNIT
MATHUR
(PIET20CS144)**

**RAHUL
DAD
(PIET20CS145)**

Place: Jaipur

Date: 5 April 2024

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**SACHIN
SHARMA
(PIET20CS157)**

**PUNIT
MATHUR
(PIET20CS144)**

**RAHUL
DAD
(PIET20CS145)**

Table Of Contents

Chapter no	Topics	Page no
	Title Page	i
	Certificates	ii
	Candidate Declaration	iii
	Acknowledgement	iv
	Table of Contents	v
	List of Figures	vii
	List of Tables	viii
	Abstract	ix
1	Introduction	1
	Project Aim and Objective	1
	Problem Statement	2
	Software Requirements	5
	Hardware Requirements	6
2	Literature Survey	9
3	Project Management	13
	Project Integration Management	13
	Project Scope Management	13
	Project Time Management	14
	Project Cost Management	14
	Project Quality Management	15
	Project Human Resource Management	15

	Project Communication Management	15
	Project Risk Management	16
	Project Procurement Management	16
	Project Management Tools	17
4	Technology Applied	20
	Agile project management and Scrum	20
	Core values of agile	21
	Principles of agile	22
	Steps in the agile methodology	24
	POs and their relevance to project	25
5	Product Backlog Design	27
	Product Backlog	27
	Sprint Backlog-1	34
	Sprint Backlog-2	38
	Sprint Backlog-3	42
	Sprint Backlog-4	45
6	Project Implementation	51
	Sprint Backlog-1	51
	Sprint Backlog-2	55
	Sprint Backlog-3	56
	Sprint Backlog-4	57
7	Result	60
8	REFERENCES	63
9	RESEARCH PAPER & CERTIFICATE	64
10	PLAGIARISM REPORT	71

List of Figures

S. NO.	FIGURE TITLE	PAGE NO.
1.	Home Page	53
2.	Title Page	54
3.	About Page	54
4.	Plant Dataset	55
5.	Loss and Accuracy	56
6.	Confusion Matrix	57
7.	Classification Report	57
8	Plagiarism Check	69

LIST OF TABLES

S. NO.	TABLE NO. WITH TITLE	PAGE NO.
1.	Product Backlog	28
2.	Sprint Backlog-1	36
3.	Sprint Backlog-2	39
4.	Sprint Backlog-3	43
5.	Sprint Backlog-4	46

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.