

**MARRI LAXMAN REDDY INSTITUTE OF  
TECHNOLOGY & MANAGEMENT**

**P R E S E N T S**

# AgriTech-Hackathon

Organized by

**Dept. of Computer Science and Engineering(AI &ML)**



**Date:**  
**27 -28 march 2023**

Co-Ordinators:  
sathwik (6303398695)  
sanjana(9398724831)  
harsha(9652339818)

**Registration Fee- Free**



**MARRI LAXMAN REDDY**  
**INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

(AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)

Accredited by NBA and NAAC with 'A' Grade & Recognized Under Section 2(f) & 12(B) of the UGC act, 1956

**Dept. of Computer Science and Engineering**  
**(AI & ML)**

In Association with

**MAVERICKS.AI**

**AgriTech - Hackathon**

on

**27<sup>th</sup> and 28<sup>th</sup> March 2023**

**About HACKATHON:**

MLRITM brings to you, one of a kind **HACKATHON- AgriTech** exclusively for college students.

Today wherever we go, we hear a term called “AI/ML” which is creating more buzz in the list of emerging technologies in embraced by many big brands, consumers, and startups paving way for lots of innovation in technology. The motive of this Hackathon is to give students, a flavor to create tech-projects that has a positive social impact using AI/ML.

This Hackathon has the following topics to be covered

**Topics:**

- ML techniques
- Linear Regression
- Gradient Descent
- Save Model Using Joblib and Pickle
- Training and Testing Data
- Logistic Regression
- Decision Tree
- Support Vector Machine
- Random Forest
- K Means Clustering Algorithm
- Naive Bayes Classifier
- K nearest neighbors classification

This Hackathon brings together, the talented and diverse minds from all backgrounds and foster collaboration towards solving the World’s most demanding issues.

**Eligibility Criteria** - This Hackathon is open only for **college students**.

## Course Objectives:

This course will enable students to:

- Able to introduce the concepts of ML
- To understand a usage of different ML techniques to solve the agri related problems
- Understand how to use CNN methods to solve plant disease detection
- To Examine and analyze different ML techniques

## Course Outcomes:

After successful completion of the course, Students will be able to:

CO No	Course Outcomes	Knowledge Level (Bloom's Taxonomy)
CO 1	<b>Apply</b> the concepts of ML to solve the problems related to agriculture.	<b>L3 (Apply)</b>
CO 2	<b>Compare</b> different ML techniques and make them to use in proper building of agri products.	<b>L4 (Analyze)</b>
CO 3	<b>Demonstrate</b> how to use the CNN algorithm	<b>L2 (Understand)</b>
CO 4	<b>Justify</b> the different methods to detect plant disease detection.	<b>L5 (Evaluate)</b>
CO 5	<b>Observe</b> the commonly used ML algorithms to solve the agri problems	<b>L2 (Understand)</b>
CO 6	<b>Elaborate and create</b> the need of ML in developing the smart life.	<b>L6 (Create)</b>

**Co-ordinator**

**HOD**

**Principal**



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Day	Time	Session Planned
Day 1	09:30 – 10:00	Registration
Day 1	10:00 - 10:30	Inaugural
Day 1	10:30 -12:30	ML techniques, Linear Regression Gradient Descent , Save Model Using Joblib And Pickle
Day 1	12:30 – 1:10	Lunch Break
Day 1	01:30 – 2:30	Training and Testing Data
Day 1	02:30– 03:30	Logistic Regression, Decision Tree, Support Vector Machine , Random Forest
Day 1	03:30 - 04:30	K Means Clustering Algorithm, Naive Bayes Classifier, K nearest neighbors classification
Day 1	04:30 - 05:00	Break
Day 1	05:00 – 06:00	<b>Project 1:</b> Real Estate Price Prediction Project <b>Project 2:</b> Image Classification
Day 1	6:00 -7:00	Mentor Allocation, Titles of Teams
Day 1	07:00 – 08:00	<b>Task 1:</b> Sharpen your brains (Ideas)
Day 1	08:00 - 09:00	Dinner
Day 1	09:30 - 10:00	Idea submission Hackathon
Day 1	10:00 - 12:00	Hackathon Begins
Day 2	<b>12:00 - 12:30</b>	<b>Review - 01</b>
Day 2	12:30 - 02:00	Hackathon Continue
Day 2	02:00 - 02:15	Tea Break
Day 2	<b>02:15 – 2:45</b>	<b>Review - 02</b>
Day 2	02:45 - 4:00	Hackathon Continue
Day 2	04:30 -5:00	Idea Updating
Day 2	05:00-06:00	Hackathon Continue
Day 2	<b>06:00-06:30</b>	<b>Review - 03</b>
Day 2	06:30-07:00	Results & Certificate Distribution
Day 2	07:00-7:30	Valedictory

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## Dept. of Computer Science and Engineering ( AI & ML)

In Association with Mavericks.AI

### AgriTech - Hackathon

#### Short listed Candidates

S No	Full Name	Registration No	Dept.	Year	Section
1	S GEETANJALI	217Y1A6616	AI and ML	2	A
2	V HARSHA VARDHAN	217Y1A6619	AI and ML	2	A
3	MEGHANA	217Y1A6630	AI and ML	2	A
4	J NIKITHA	217Y1A6637	AI and ML	2	A
5	G PHANI KUMAR	217Y1A6638	AI and ML	2	A
6	B PRANAV REDDY	217Y1A6640	AI and ML	2	A
7	RAJASHEKAR	217Y1A6643	AI and ML	2	A
8	C REVANTH	217Y1A6646	AI and ML	2	A
9	THATI SAHITHYA	217Y1A6648	AI and ML	2	A
10	MD SUFIYAN SHAREEF	217Y1A6657	AI and ML	2	A
11	VARSHA VANGASAM	217Y1A6661	AI and ML	2	A
12	VURADI VINAY	217Y1A6663	AI and ML	2	A
13	AKSHITHA THOTA	217Y1A6673	AI and ML	2	B
14	P NANDAN	217Y1A6677	AI and ML	2	B
15	SHAIK FAYAZ AHAMMAD	217Y1A6682	AI and ML	2	B
16	GEETHIKA SHOBA KALUVA	217Y1A6685	AI and ML	2	B
17	B.HARI MANOJ	217Y1A6688	AI and ML	2	B
18	HARSHAK MANI	217Y1A6689	AI and ML	2	B
19	M LIKITHA JOSHI	217Y1A6696	AI and ML	2	B
20	NETHRA	217Y1A66A2	AI and ML	2	B
21	NIKHIL VARMA	217Y1A66A4	AI and ML	2	B
22	K PAVAN KUMAR	217Y1A66A6	AI and ML	2	B
23	K PRIYADARSHNI	217Y1A66A9	AI and ML	2	B
24	C BHANUPRAKASH	227Y5A6610	AI and ML	2	B
25	B HARSHAVARDHAN	227Y5A6611	AI and ML	2	B
26	A AMRUTHA VARSHINI	217Y1A6675	AI and ML	2	B
27	SRAVANI	217Y1A66C1	AI and ML	2	B
28	LAXMI NARAYANA MADDU	217Y1A66F0	AI and ML	2	C

29	DANDOLA NANDINI	217Y1A66F8	AI and ML	2	C
30	PULIGILA PRANAKYA	217Y1A66G4	AI and ML	2	C
31	KARLAM RAKSHITHA	217Y1A66G7	AI and ML	2	C
32	DASU SAI SANTOSH	217Y1A66H2	AI and ML	2	C
33	SANNITH	217Y1A66H4	AI and ML	2	C
34	SATHVIK CHENNOJU	217Y1A66H6	AI and ML	2	C
35	S SATHWIKA	217Y1A66H7	AI and ML	2	C
36	SNEHA NAGULA	217Y1A66H9	AI and ML	2	C
37	BEERAM SRAVANTHI	217Y1A66I0	AI and ML	2	C
38	KILARI SRAVYA	217Y1A66I1	AI and ML	2	C
39	D SREEYA	217Y1A66I2	AI and ML	2	C
40	SAKIRAN BATTUPELLI	227Y5A66I9	AI and ML	2	C
41	JANARDHAN REDDY	217Y1A6224	CC	2	A
42	RAGULA VIJETHA	217Y1A6263	CC	2	A
43	MALOTH SRAVAN	227Y5A6206	CC	2	A
44	BUREDDY AKSHAYA	217Y1A0504	CSE	2	A
45	AVUSULA DEEPTHI	217Y1A0517	CSE	2	A
46	MOTHUKURI GOWTHAM	217Y1A0522	CSE	2	A
47	NIKHIL YADAV	217Y1A0534	CSE	2	A
48	PRIYANKA SINGAM	217Y1A0540	CSE	2	A
49	T K SAI VANDITHA	217Y1A0548	CSE	2	A
50	R TEJA	217Y1A0557	CSE	2	A
51	N VAISHNAVI	217Y1A0560	CSE	2	A
52	R VARSHINI	217Y1A0561	CSE	2	A
53	INDURI AKSHAYA	217Y1A0571	CSE	2	B
54	Y AMULYA REDDY	217Y1A0572	CSE	2	B
55	B. MEGHANA	217Y1A0589	CSE	2	B
56	R RAKENDRA SHIVA	217Y1A05A9	CSE	2	B
57	SRINIVAS RAO T	217Y1A05C0	CSE	2	B
58	VULINDALA YASASWINI	217Y1A05C9	CSE	2	B
59	Y AMULYA	217Y1A05D2	CSE	2	C
60	G NARESH KUMAR REDDY	217Y1A05F4	CSE	2	C
61	RUTHVIKA MARAJWADE	217Y1A05G8	CSE	2	C
62	I SANNITH REDDY	217Y1A05H1	CSE	2	C
63	DILLUBHAI SHOAB	217Y1A05H5	CSE	2	C
64	MULLAMURI SRINITHA	217Y1A05H9	CSE	2	C
65	V SUMITH GOUD	217Y1A05I2	CSE	2	C
66	DASU ASHWITHA	227Y5A0517	CSE	2	C

67	ROSHINI KUMARI	217y1A3338	CSIT	2	A
68	TALLA HARSHITHA	217Y1A6709	DS	2	A
69	B MADHAVA REDDY	217Y1A6716	DS	2	A
70	KATTEWAR NIKHIL	217Y1A6722	DS	2	A
71	PAVAR RAHUL NAYAK	217Y1A6732	DS	2	A
72	G SHIVANI	217Y1A6752	DS	2	A
73	LAKKARAM ABHIRAM	217Y1A1201	IT	2	A
74	GANESH VARDHAN REDDY	217Y1A1215	IT	2	A
75	M GOVIND RAJ	217Y1A1216	IT	2	A
76	MADHAV CHINOLA	217Y1A1220	IT	2	A
77	M NARESH	217Y1A1227	IT	2	A
78	SANJU	217Y1A1242	IT	2	A
79	SATHVIK GONE	217Y1A1243	IT	2	A

**Coordinator**

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