REPORT

PRAGATI ENGINEERING COLLEGE

(ApprovedbyAICTE, PermanentlyAffiliatedtoJNTUK, KAKINADA&AccreditedbyNBA)

1-378, A.D.B.Road, Surampalem, NearPeddapuram-533437

MindScan AI

Date: 31-1-2025.

Day: Friday.

Turing Club organised by the Dept. of CSE – AI&ML of Pragati Engineering College in association with Career Guidance Cell is organizing a MindScan AI
as part of Industry 4.0.

ATTENDED STUDENT LIST:

PRAGATI ENGINEERING COLLEGE
(Autonomous)
B.Tech
Computer Science and Engineering
(Artificial Intelligence & Machine Learning)

EVENT NAME: Mind scan AI
DATE: 31-01-2025
SPEAKER NAMES: A. Sreeja & U.N.V karthikeya
The list of students attended for this event.

S.No	Roll No.	Name of the Student	Year	Signature
1	21A31A4294	R.V.S.L. Aishwarya	IV	R.V.S.L.Aishwarya
2	21A31A4209	I. Charmila	IV	I.Charmila
3	21A31A4270	B.B.Chandrika	IV	B.B.Chandrik
4	21A31A4272	Ch.Kavya Sri	IV	Ch.Kavyasri
5	21A31A4269	Prahousitha	IV	Prahasshitha
6	21A31A4217	Swarna.M	IV	Swarna Mandm
7	21A31A4226	V.Tyothika	IV	V.Tyothika
8	21A31A4227	Y.Amitha	IV	Y.amitha
9	21A31A4216	M.Siri Sathvika	IV	M.Siri Sathvika
10	21A31A4210	I.chothwrya	IV	chathu
11	21A31A4206	Ch.Sowjanya	IV	sowjanya
12	21A31A4293	P.Srujana	IV	Sruji
13	22A35A4207	G.Kasturi	IV	Kat

A.Sreeja
Student Coordinator

Faculty Coordinator

A.Radha Krish
HoD-CSE(AI&ML)

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S.No	Roll No.	Name of the Student	Year	Signature
1	21A31A4268	Adivishnu Sri Sai Keerthi	IV	A.s.s.keerthy
2	21A31A4283	K.Kanchana Satya Prasanna	IV	kanchana
3	21A31A4289	M.Vinsy	IV	M.C
4	21A31A4286	M.Thanmai Swechitha	IV	M.Thanmai
5.	21A31A4276	G. Janitha Sree	IV	G. Janitha Sre
6.	21A31A4283	V. Anshitha	IV	V.Anshitha
7.	21A31A4281	K.Rishitha	IV	K.V.R Rishitha
8.	21A31A42A2	V.L Apoorva	IV	V.L. Apoorva
9	21A31A4267	A.Pavani	IV	A.Pavani
10	21A31A4285	L.Manaswini	IV	Manas
11.	21A31A4291	N.Likhita	IV	N.Likhi
12.	21A31A4252	R.Sai Hrushi	IV	R.Hrushi

Student coordinator

Faculty Coordinator

A.Radha Krishy
HoD-CSE(AI&ML)

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3

EVENT NAME: MindScan AI

DATE: 31-01-2025

SPEAKER NAMES: A Sreeja & V.N.V. Karthikeya

The list of students attended for this event.

S.No	Roll No.	Name of the Student	Year	Signature
1	21A31A4279	I. Rupa Kamalini	IV	
2	21A31A4296	S. Asritha	IV	S Asrith
3	21A31A4214	K. M. Nissy	IV	K. Nissy
4	21A31A4225	T.Lasya Srivallika	IV	
5	21A31A4280	J. Sanjana	IV	Sanjana
6	21A31A42C3	P. Vardhan	IV	P.VSR
7	21A31A42C4	Ben Joseph	IV	Ben
8	21A31A42B7	Manohar	IV	
9	21A31A42A8	Rohan Chikoth	IV	
10	21A31A42C9	U. TEJA	IV	Teja
11	21A31A4239	K. Tanooh	IV	
12	21A31A4235	K. D. N. S. Aditya	IV	K Adithya
13	21A31A4248	P. Sri Aditya	IV	P.Sri Aditya

Student Coordinator

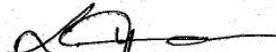Faculty Coordinator

A. Radha Krishna
HoD-CSE(AI&ML)

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(Artificial Intelligence & Machine Learning)

The list of students attended for this event.

S.No	Roll No.	Name of the Student	Year	Signature
1.	21A31A42C1	N.V Gowtham kumar	IV	N.V Gowtham kumar
2.	21A31A42B0	D. Gopireddy	IV	D. Gopireddy
3	21A31A42A4	A. Prudhvi Kedar	IV	A. Prudhvi
4	21A31A4264	Y. Praneeth	IV	Y. Praneeth
5	22A35A4202	B. Dileep kumar	IV	B. Dileep
6	21A31A4230	Ch. Mahesh	IV	Ch. Mahesh.
7	21A31A4236	K. Chavan Praveen	IV	K. Chavan
8	21A31A4231	G. Abhi Sekhar	IV	G. Abhisekhar
9	21A31A4255	S. Hemanth	IV	S. Hemanth.
10	21A31A4260	V.V.S Sanjay	IV	Sanjay
11	21A31A4258	S. Satya kumar	IV	Satya kur
12.	21A31A4257	Sk. SAAD	IV	Sk.
13	21A31A4234	K.B.V Adithya	IV	K. A
14	21A31A4238	K. Banny	IV	K. Banny

A. Sreeja
Student coordinator

Faculty Coordinator

A. Radha Krish
HoD-CSE(AI&ML)

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EVENT NAME: Mind Scan AI

DATE: 31-01-2025

SPEAKER NAMES: A. Sreeja. GVNV. Karthikeya

The list of students attended for this event.

S.No	Roll No.	Name of the Student	Year	Signature
1	21A31A42C7	R.R.N. Ganesh.	IV	Ganesh.
2	21A31A42A9	D. Ashok Kumar	IV	Ashok
3	21A31A42C5	M. Hari Satvik	IV	M.H.Satish
4	22A35A4212	P. Venkata Satish	IV	P.V. Satish.
5	21A31A42C2	HARISH MARISETTY	IV	Harithanth
6	21A31A42D0 V Siv	Siva sai Ram. V	IV	V.S.O.Ram
7	21A31A42B1	G. Naga Dinesh	IV	G.N.Dine.
8	22A35A4210	K. Abhishek	IV	K.Abhishek.
9	22A35A4211	M. Yaswanth	IV	M. Yaswanth.
10	21A31A42C8	T. Sai srinath	IV	T.Sai srinath
11	21A31A4205	piya.	IV	Priy
12	21A31A42019	2. Netta.	IV	
13	21A31A4208	A. ADITHI	IV	

A. Sreeja
Student coordinator

Faculty Coordinator

A. Radha Krishn
HoD-CSE(AI&ML)

Feed Back:

	Start time	Completion time	Email	Name	NAME1	ROLL NUMBER	YEAR	ABOUT THE SPEAKE	Technical content ex
1	1/31/2025 15:20	1/31/2025 15:21	21a31a42d0@pragati.a	VALLABHASETTI SIVA S	V.Siva Sai Ram	21A31A42D0	IV	5	5(EXCELLENT)
2	1/31/2025 15:21	1/31/2025 15:23	22a35a4212@pragati.a	P V SATISH PEC	Venkata Satish Pepakay	22A35A4212	4th year	5	5(EXCELLENT)
3	1/31/2025 15:23	1/31/2025 15:23	21a31a42b1@pragati.a	GUNDABATTHINA NAG	Gundabatthina Naga Di	21A31A42B1	4	1	5(EXCELLENT)
4	1/31/2025 15:24	1/31/2025 15:24	21a31a4289@pragati.a	MOYYA VINSY PEC	Vinsy moyya	21A31A4289	4	5	5(EXCELLENT)
5	1/31/2025 15:23	1/31/2025 15:25	21a31a42a9@pragati.a	DIMMALA ASHOK KUM	Dimmala Ashok Kumar	21A31A42A9	4	5	5(EXCELLENT)
6	1/31/2025 15:24	1/31/2025 15:25	21a31a4234@pragati.a	KALIDINDI BALA VENKA	K B V Adithya	21a31a4234	4	5	5(EXCELLENT)
7	1/31/2025 15:24	1/31/2025 15:25	21a31a42c1@pragati.a	NANDIKOLLA VEERA GO	N.V. GOWTHAM KUMA	21A31A42C1	4	5	5(EXCELLENT)
8	1/31/2025 15:25	1/31/2025 15:25	21a31a42c9@pragati.a	UNGARALA TEJA SATYA	U T S K K Naidu	21A31A42C9	IV	5	5(EXCELLENT)
9	1/31/2025 15:25	1/31/2025 15:25	21a31a4291@pragati.a	NAM LIKHITA PRAVALLI	Nam Likhita Pravallika	21A31A4291	4	5	5(EXCELLENT)
10	1/31/2025 15:25	1/31/2025 15:25	21a31a4238@pragati.a	KOMARTHI BANNY PEC	KOMARTHI BANNY	21A31A4238	2025	5	5(EXCELLENT)
11	1/31/2025 15:24	1/31/2025 15:26	21a31a4285@pragati.a	LOLLA VENKATA MANA	Lolla Venkata Manaswi	21A31A4285	4	5	5(EXCELLENT)
12	1/31/2025 15:25	1/31/2025 15:26	21a31a4293@pragati.a	PYNNI SRUJANA PEC	Pynni Srujana	21A31A4293	4	4	5(EXCELLENT)
13	1/31/2025 15:25	1/31/2025 15:26	21a31a4280@pragati.a	JAMPANA SANJANA PE	Jampana Sanjana	21A31A4280	4th	5	5(EXCELLENT)
14	1/31/2025 15:26	1/31/2025 15:27	21a31a4267@pragati.a	ADINA PAVANI PEC	Adina Pavani	21A31A4267	4	5	5(EXCELLENT)
15	1/31/2025 15:27	1/31/2025 15:27	21a31a4283@pragati.a	KANTAMSETTI KANCHA	Kantamsetti Kanchana	21A31A4283	4	4	4
16	1/31/2025 15:27	1/31/2025 15:27	21a31a42c2@pragati.a	MARISETTI HARISH PE	Harish Marisetty	21A31A42C2	4	4	5(EXCELLENT)
17	1/31/2025 15:27	1/31/2025 15:28	21a31a4283@pragati.a	KANTAMSETTI KANCHA	Adivishnu sri sai keerth	21A31A4268	4	4	4
18	1/31/2025 15:28	1/31/2025 15:28	21a31a4214@pragati.a	KUNDA MIRIYAM NISSY	Kunda Miriyam Nissy	21A31A4214	4	5	5(EXCELLENT)
19	1/31/2025 15:28	1/31/2025 15:29	21a31a4255@pragati.a	SATHI HEMANTH PEC	HEMANTH SATHI	21A31A4255	4	5	5(EXCELLENT)
20	1/31/2025 15:30	1/31/2025 15:30	21a31a4239@pragati.a	KONDU TANOOSH PEC	Tanoosh Kondu	21A31A4239	IV	5	5(EXCELLENT)
21	1/31/2025 15:42	1/31/2025 15:43	21a31a4279@pragati.a	ISUKAPALLI RUPA KAM	I.Rupa Kamalini	21A31A4279	4	5	5(EXCELLENT)
22	1/31/2025 15:43	1/31/2025 15:44	21a31a4279@pragati.a	ISUKAPALLI RUPA KAM	S.Asritha	21A31A4279	4	5	5(EXCELLENT)

Overall very good

Content discussed in the Event:

➢ Mental health is very important for everyone's well-being but is often ignored. In 2019, about a billion people had mental health issues, and COVID-19 made things worse with a 25% rise in depression and anxiety. Anxiety (31%) and depression (28.9%) are the most common problems, but many people don't get the help they need.

➢ Social media platforms like Twitter and Facebook are being used to study emotions since people share their feelings there. Machine learning (ML) and deep learning (DL) are powerful tools that help detect mental health issues. This paper reviews how ML/DL methods are used, summarizes important studies, and gives ideas for future research to improve mental health prediction and care.

➢ This study reviewed 37 articles on using Machine Learning (ML) and Deep Learning (DL) algorithms for mental health analysis. While DL is becoming more popular, ML algorithms like SVM, Naive Bayes, Random Forest (RF), and Logistic Regression (LR) are still widely used.

➢ Key findings include:
➢ A BLSTM+CNN hybrid model worked better than ML models.
➢ The roBERTa model was the most effective for identifying different mental health conditions.
➢ SVM and Single Layer LSTM were useful in studying mental health discussions on Twitter.

In conclusion, both ML and DL are valuable tools for mental health analysis, but DL models generally perform better.

Deep Learning (DL) is becoming more common in medical care, but Machine Learning (ML) methods like SVM, Random Forest (RF), and Logistic Regression (LR) are still widely used for predicting mental health issues.

Some studies showed:

• The roBERTa model had the best performance in multiclass classification.
• For Twitter data, LSTM outperformed SVM, with 80.83% accuracy compared to 73.43%.

Both ML and DL methods are effective for mental health analysis.

1. Hybrid Models

   Existing: Uses either Machine Learning (ML) or Deep Learning (DL) separately.
   Proposed: Combines both ML and DL in hybrid models to improve performance.

2. Shift to Deep Learning (DL)

   Existing: Recognizes that DL is growing but still depends on ML.
   Proposed: Uses DL more extensively for better results.

3. Performance Improvement

   Existing: Reports current results without major changes.
   Proposed: Aims to enhance performance by testing new hybrid models.

• Mental disorders are characterized by **high comorbidity**, i.e. different disorders/pathologies often intersect.
• As a consequence, the correct **diagnosis is complex and can be long to determine**.
• To overcome such an issue, a new paradigm has been emerging in Psychiatry: **Symptom-based analysis vs. Pathology-based analysis**.
• Medicine is also evolving towards **6P medicine**
   • Personalized, Participative, Preventive, Predictive, Proof, Pathway
• The objective of the MENTAL.AI project is to deal with 6P medicine within a symptom based strategy
- **Monitoring, Automatic Diagnostic and Virtual Therapist**.

The goal of the MENTAL.AI project is to design and study new models for mental health computer-aided diagnosis, monitoring and therapy systems within the context of face-to-face and ECA-to-patient interviews. In particular, we follow the augmented artificial intelligence paradigm, which focuses on the assistive role of artificial intelligence. Technology is designed to enhance human intelligence rather than replace it. As such, models and applications will be developed in straight collaboration between computer scientists, psychiatrists, psychologists.

Photos:

GPS Map Camera
Surampalem, Andhra Pradesh, India
33m4+p79, Adb Rd, Surampalem, Andhra
Pradesh 533437, India
Lat 17.084303° Long 82.055227°
31/01/25 03:26 PM GMT +05:30
Google

Surampalem, Andhra Pradesh, India
33m4+p79, Adb Rd, Surampalem, Andhra
Pradesh 533437, India
Lat 17.084313° Long 82.055228°
31/01/25 03:28 PM GMT +05:30

Surampalem, Andhra Pradesh, India
33m4+p79, Adb Rd, Surampalem, Andhra
Pradesh 533437, India
Lat 17.084323° Long 82.055228°
31/01/25 03:27 PM GMT +05:30

POSTER

PRAGATI ENGINEERING COLLEGE
(Autonomous)

DEPARTMENT OF CSE (Artificial Intelligence & Machine Learning)

PEC / Admin / Circular / 2025 / Turing CLUB   **Office of the principal**

Date: 28-1-2025.

All the staff, Pragati Turing club coordinators, Third year Students are informed that a seminar on " **MINDSCAN AI "** is being organized by Turing club in association with career Guidance cell. The details are given below.

Date: 31-1-2025
Time: 1:00 PM
Venue: CS-8
Faculty Co-coordinator: Mrs.L.Yamuna
Student Co-Ordinator: Sreeja Asula (21A31A4201)
        V.N.V.Karthikeya (21A31A4201)

Speaker: Sreeja Asula (21A31A4201)
        V.N.v.Karthikeya (21A31A4201)

Faculty coordinator   **HoD-CSE (AI&ML)**

Copy to:

1) Chairman /All Directors / Vice President for kind information.
2) Vice Principal/Dean T&P for information.
3) All HODs are requested to circulate among your staff members.
4) Convener-Career Guidance cell
5) Office File.