Gokaraju Rangaraju Institute of Engineering and Technology
(Autonomous)

Inter Institutional events

	DATE	No. of days	Type of Event	Name of the Conference/Event/Activity Name	Awarded	Name of the Institute Organized
Winners	15-08-2022	1	Musical Chair Competition	Nirmaan Organization	Winner	Future Ready Youth Skilling Center, Madhura Nagar
	17-08-2022	1	Quiz	Quiz conducted by NRSC, ISRO at JNTUH	3rd Prize	JNTUH, Hyderabad
	17-04-2023 to 18-04-2023	2	Sports	Inter college Cricket Competition	2nd Prize	KG REDDY COLLEGE OF ENGINEERING
	17-04-2023 to 18-04-2023	2	Sports	Inter college Cricket Competition	Winners	Mallareddy Pharmacy College
	25-04-2023 to 26-04-2023	2	Sports	Inter college Cricket Competition	Winners	Hyderabad Institute of Technology and Management
	26-03-2022 to 27-03-2022	2	Sports	Intercollege Kabbadi Competition	Winners	Malla Reddy University
	24-01-2020	1	Badminton	Inter Collegiate Sports and Games JNTU Hyderabad	2nd Prize	VNR
	02-03-2019 to 03-03-2019	2	Hackathon	Smart India Hackathon 2019	Winners	Raj Kumar Goel Institute of Technology, Ghaziabad
Academic year	DATE	No. of days	Type of Event	Name of the Conference/Event/Activity Name	No. of Students Participated/ Awarded/ Presented	Name of the Institute Organized

	31-01-2023 To 01-02-2023	2	Sudhee'2023	Bug Beaters	1	CBIT
	04-07-2022 to 24-09-2022	12 weeks	NPTEL Course	Data Analytics with python	349	IIT Roorke
	06-03-2023 to 29-04-2023	8 weeks	NPTEL Course	Data Science for Engineers	359	IIT Madras
	29-07-2022 to 31-06-2022	3	International Conference	**ICNGIS'22 Publication** Analysis and Forecasting of Covid-19 in Indian States	1	Rajiv Gandhi Institute of Technology, Velloor, Kerela
	12-08-2022 to 13-08-2022	2	International Conference	**ICCIDE'22 Publication** Cyber Threat Detection Based On Artificial Neural Networks Using Flask	1	VIT-AP University, Vijayawada
2022-23	15-08-2022	1	Musical Chair Competition	Nirmaan Organization	1	Future Ready Youth Skilling Center, Madhura Nagar
	17-08-2022	1	Quiz	Quiz conducted by NRSC, ISRO at JNTUH	5	JNTUH, Hyderabad
	25-08-2022 to 26-12-2022	2	Hackathon	Smart India Hackathon2022, MDRD, IIC	6	Sona College of Technology, Salem
	04-11-2022 to 06-11-2022	3	Sports	National Level Inter Engineering College Sports - Throwball	1	CBIT
	17-04-2023 to 18-04-2023	2	Sports	Intercollege Kabbadi Competition	2	KG REDDY COLLEGE OF ENGINEERING
	17-04-2023 to 18-04-2023	2	Sports	Inter college Cricket Competition	4	KG REDDY COLLEGE OF ENGINEERING

	17-04-2023 to 18-04-2023	2	Sports	Inter college Cricket Competition	6	Mallareddy Pharmacy College
	17-04-2023 to 18-04-2023	2	Sports	Intercollege GIRLS Kabbadi Competition (Runners)	2	KG REDDY COLLEGE OF ENGINEERING
	25-04-2023 to 26-04-2023	2	Sports	Inter college Cricket Competition	7	Hyderabad Institute of Technology and Management
2021-22	28-12-2020 to 20-03-2021	12 weeks	NPTEL Course	Data Analytics with python	336	IIT Roorke
	25-10-2021 to 18-12-2021	8 weeks	NPTEL Course	Data Science for Engineers	325	IIT Madras
	29-10-2021 to 30-10-2021	2	Hackathon	National Level VJ Hackathon	2	VNR VJIET
	23-02-2022 to 25-02-2022	5	International Conference	**ICAIS'22 Publication** 1. Hand Gesture Recognition and voice, text conversion using CNN & ANN 2. Smart bot assistant for college information system	2	JCT College of Engineering, Coimbatore, Tamilnadu
	25-03-2022 to 26-03-2022	2	International Conference	**ICACCS'22 Publication** **1.** An Innovative Emotion Recognition and Solution Recommendation Chatbot. 2. Speech to Sign Language Translation for Indian Languages	2	Sri Eshwar College of Engineering, Coimbatore, Tamilnadu
	26-03-2022 to 27-03-2022	2	Sports	Intercollege Kabbadi Competition	1	Malla Reddy University

	28-03-2022 to 29-03-2022	2	International Conference	**ICMISC'22 Publication** 1. Vital role of 2D CNN in Brain Malignancy 2. Early onset identification of stomach cancer	2	CMR Institute of Technology, Hyderabad
	12-04-2022 to 13-04-2022	2	Quest 2022	Blind Code	2	JNTU-Hyderabad
	29-04-2022 to 30-04-2022	2	International Conference	**ICCCE'22 Publication** 1. Brain Tumor Detection using Image Segmentation and CNN 2. G - FORUM using MVC Architecture	2	CMR Engineering College Hyderabad
	09-05-2022 to 11-025-2022	3	International Conference	**ICAAIC'22 Publication** Applying_CNN_on_ Lung_Images_for_Screening_ Initial_Cancer Stages	1	Narasu Sarathy Institute of Technology, Salem
	06-06-2022 to 03-09-2022	69	Course Completion	Nirmaan Organization	1	Future Ready Youth Skilling Center, Madhura Nagar
2020-21	Covid time	8 weeks	NPTEL Course	Data Science for Engineers	296	IIT madras
	23-10-2020 to 16-12-2020	8 weeks	NPTEL Course	User Centric computing for Human Computer Interaction	374	IIT
2019-20	24-01-2020	1	Badminton	Inter Collegiate Sports and Games JNTU Hyderabad	2nd Prize	VNR
	14-10-2019 to 08-12-2019	12 weeks	NPTEL Course	Introduction to internet of things	409	IIT Kharagpur
	02-03-2019 to	2	Hackathon	Smart India Hackathon 2019	6	Raj Kumar Goel Institute

	03-03-2019					of Technology, Ghaziabad

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

Kokapet(Village), Gandipet, Hyderabad, Telangana-500075. www.cbit.ac.in

ISO Certified 9001:2015

COMMITTED TO RESEARCH, INNOVATION AND EDUCATION 44 years

SUDHEE 2023

(Nurture Natural Technologies)

31 Jan & 1 Feb

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. ..... **Sandhya Lakshmi** ..... has participated in the Headstart event ..... **Bug Beaters** ..... in "Sudhee-2023" during 31 Jan & 1 Feb 2023 at **Chaitanya Bharathi Institute of Technology (A)**, Hyderabad - 500 075, Telangana, India.

Prof. K. Radhika
Chairperson, Sudhee-2023

Prof. P. Ravinder Reddy
Principal, CBIT(A)

Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

TOP TOPPER 1%

This certificate is awarded to

ANKANNAGARI MANVITHA

for successfully completing the course

Data Science for Engineers

with a consolidated score of **83** %

Online Assignments	23.79/25	Proctored Exam	58.76/75

Total number of candidates certified in this course: **1738**

Devendra Jalihal

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Sep 2022
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

TOP TOPPER 2%

This certificate is awarded to

AMBALLA PRAMOD

for successfully completing the course

Data Science for Engineers

with a consolidated score of **81** %

Online Assignments	23.25/25	Proctored Exam	57.73/75

Total number of candidates certified in this course: **1738**

Devendra Jalihal

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Sep 2022
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL22CS72513012098

To validate the certificate

No. of credits recommended: 2 or 3

Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

ANNAREDDY RUTHVIK REDDY

for successfully completing the course

Data Science for Engineers

with a consolidated score of **75** %

Online Assignments	23.96/25	Proctored Exam	51.29/75

Total number of candidates certified in this course: **1738**

Devendra Jalihal

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Sep 2022
(8 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

FREE ONLINE EDUCATION swayam

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, https://nptel.ac.in/noc/

Roll No: NPTEL21CS69S13583537

To
NVS PAVAN KARTHIK
11-6-207/1/N/510, VENKATESHWARA COLONY
SAROORNAGAR, K.V.RANGAREDDY, TELANGANA.
HYDERABAD
TELANGANA - 500035
PH. NO :7396771991

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

Top TOPPER 1%

This certificate is awarded to

NVS PAVAN KARTHIK

for successfully completing the course

Data Science for Engineers

with a consolidated score of **90** %

Online Assignments	25/25	Proctored Exam	64.8/75

Total number of candidates certified in this course: **2140**

Prof. Dovendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jul-Sep 2021
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, https://nptel.ac.in/noc/

Roll No: NPTEL21CS69S13580191

To
VARIKUPPALA PRAVEEN KUMAR
1-48,V.THURKASUDA,M.IBRAHIMPATNAM,RR,TS
TELANGANA, - 501506
PH. NO :8501888484

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

TOPPER
1%

This certificate is awarded to

VARIKUPPALA PRAVEEN KUMAR

for successfully completing the course

Data Science for Engineers

with a consolidated score of **90** %

Online Assignments	25/25	Proctored Exam	64.58/75

Total number of candidates certified in this course: **2140**

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jul-Sep 2021
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No:NPTEL21CS69S13580191

To validate and check scores: https://nptel.ac.in/noc

Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

TOP TOPPER 5%

This certificate is awarded to

KURAKULA HARI VENKATA KARTHIK

for successfully completing the course

Data Analytics with Python

with a consolidated score of **83** %

Online Assignments	24.69/25	Proctored Exam	58.5/75

Total number of candidates certified in this course: **6359**

Prof. Sanjeev Manhas
Coordinator, Continuing Education Centre
IIT Roorkee

Jan-Apr 2022
(12 week course)

Priti Maheshwari

Prof. Priti Maheshwari
NPTEL Coordinator
IIT Roorkee

Indian Institute of Technology Roorkee

FREE ONLINE EDUCATION swayam

Roll No:NPTEL22CS08S23537188

To validate and check scores: https://nptel.ac.in/noc

Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

TOP TOPPER 5%

This certificate is awarded to

MARELLA TARUN VIJAY

for successfully completing the course

Data Analytics with Python

with a consolidated score of **83** %

Online Assignments	24.69/25	Proctored Exam	58.5/75

Total number of candidates certified in this course: **6359**

Prof. Sanjeev Manhas
Coordinator, Continuing Education Centre
IIT Roorkee

Jan-Apr 2022
(12 week course)

Priti Maheshwari

Prof. Priti Maheshwari
NPTEL Coordinator
IIT Roorkee

Indian Institute of Technology Roorkee

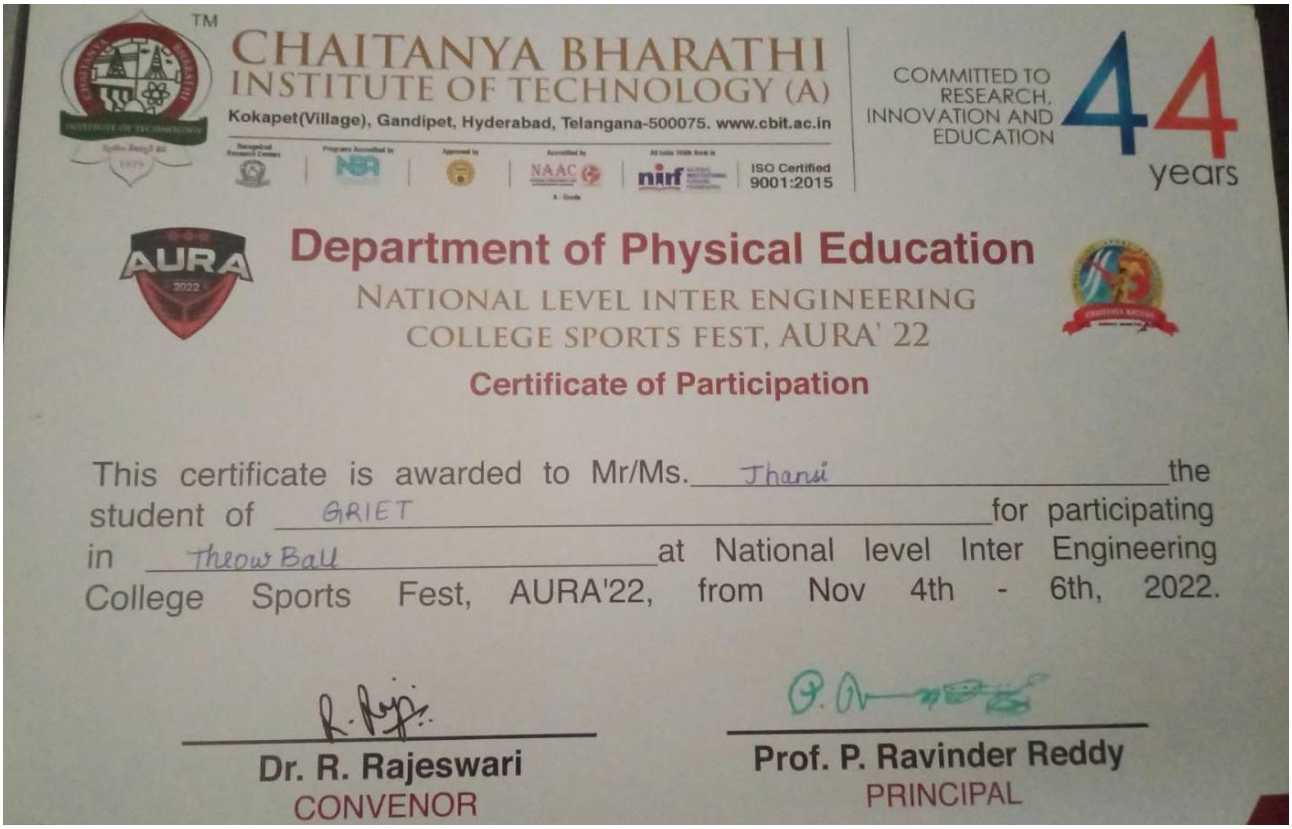
FREE ONLINE EDUCATION swayam


Microsoft
nirmaan.org
75th
INDEPENDENCE DAY
CERTIFICATE
OF PARTICIPATION
This is to certify that Sandhya Laxmi N has been awarded
First Prize participated in Musical Chair competition
On the occasion of 75th Independence Day at Nirmaan-Future Ready Youth Skilling
Program, Madhura Nagar.
Authorized signature

CSE III year students Won III prize in Quiz competition conducted by nrsc,ISRO at JNTUH


Ministry of Education
MoE's INNOVATION CELL
(GOVERNMENT OF INDIA)
Persistent
Azadi Ka Amrit Mahotsav
SMART INDIA HACKATHON 2022
#SIH Senior Software Edition
GRAND FINALE 2022
August 25-26
Participation
Certificate
This Certificate is awarded to
S. HARIKA of team IKSHANA_1
for participating in Smart India Hackathon, 2022
Sh. K Sanjay Murthy
Secretary, Higher Education
Ministry of Education
Prof. Anil D. Sahasrabudhe
Chairman, AICTE
Ministry of Education
Dr. Abhay Jere
Chief Innovation Officer,
Ministry of Education's Innovation Cell
Dr. Anand Deshpande
Chairman and MD,
Persistent Systems
Broadcast Partner
SONA COLLEGE OF TECHNOLOGY
Learning is a Celebration!
| An Autonomous Institution |
Partner
aws


Ministry of Education
MoE's INNOVATION CELL
(GOVERNMENT OF INDIA)
Persistent
Azadi Ka Amrit Mahotsav
SMART INDIA HACKATHON 2022
#SIH Senior Software Edition
GRAND FINALE 2022
August 25-26
Participation
Certificate
This Certificate is awarded to
M. VIKRANTH of team IKSHANA_1
for participating in Smart India Hackathon, 2022
Sh. K Sanjay Murthy
Secretary, Higher Education
Ministry of Education
Prof. Anil D. Sahasrabudhe
Chairman, AICTE
Ministry of Education
Dr. Abhay Jere
Chief Innovation Officer,
Ministry of Education's Innovation Cell
Dr. Anand Deshpande
Chairman and MD,
Persistent Systems
Broadcast Partner
SONA COLLEGE OF TECHNOLOGY
Learning is a Celebration!
| An Autonomous Institution |
Partner
aws



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

Kokapet(Village), Gandipet, Hyderabad, Telangana-500075. www.cbit.ac.in

ISO Certified 9001:2015

COMMITTED TO RESEARCH, INNOVATION AND EDUCATION 44 years

AURA 2022

Department of Physical Education

NATIONAL LEVEL INTER ENGINEERING COLLEGE SPORTS FEST, AURA' 22

Certificate of Participation

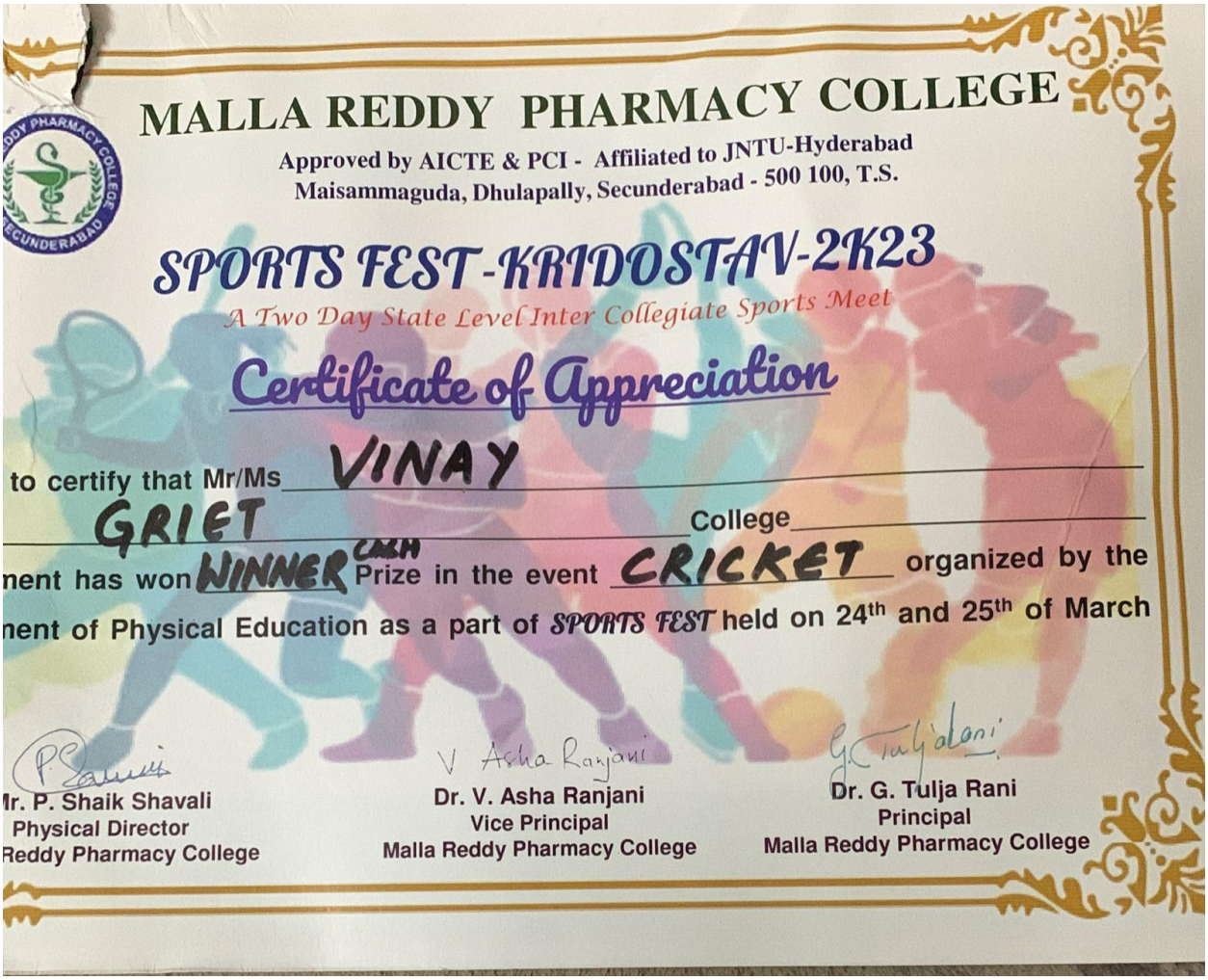
This certificate is awarded to Mr/Ms. Jhansi the student of GRIET for participating in Throw Ball at National level Inter Engineering College Sports Fest, AURA'22, from Nov 4th - 6th, 2022.

Dr. R. Rajeswari
CONVENOR

Prof. P. Ravinder Reddy
PRINCIPAL


EDUZONE
KG REDDY
College of Engineering
& Technology
AN AUTONOMOUS INSTITUTION
15
invicta
CERTIFICATE OF MERIT
A STATE LEVEL SPORTS AND CULTURAL FEST
This is to certify that Mr./Ms. G. S. Surya Vinay '
Student of GRIET has won IInd prize in the
event invicta ' Organized by the
Department of Student Affairs in
" A STATE LEVEL CULTURAL AND SPORTS FEST, INVICTA 2023 " held on 17th & 18th April 2023
CONVENER
CONVENER
PRINCIPAL


Department of Student Affairs
EDUZONE
KG REDDY College of Engineering & Technology
AN AUTONOMOUS INSTITUTION
invicta
CERTIFICATE OF MERIT
A STATE LEVEL SPORTS AND CULTURAL FEST
This is to certify that Mr./Ms. FAIZAN
Student of GRIET has won Ind prize in the
event Invicta ' Organized by the
Department of Student Affairs in
" A STATE LEVEL CULTURAL AND SPORTS FEST, INVICTA 2023 " held on 17th & 18th April 2023
CONVENER
CONVENER
PRINCIPAL



MALLA REDDY PHARMACY COLLEGE

Approved by AICTE & PCI - Affiliated to JNTU-Hyderabad
Maisammaguda, Dhulapally, Secunderabad - 500 100, T.S.

SPORTS FEST-KRIDOSTAV-2K23

A Two Day State Level Inter Collegiate Sports Meet

Certificate of Appreciation

to certify that Mr/Ms VINAY

GRIET College

nent has won WINNER CASH Prize in the event CRICKET organized by the

nent of Physical Education as a part of *SPORTS FEST* held on 24th and 25th of March

Mr. P. Shaik Shavali
Physical Director
Reddy Pharmacy College

V Asha Ranjani
Dr. V. Asha Ranjani
Vice Principal
Malla Reddy Pharmacy College

G. Tulja Rani
Dr. G. Tulja Rani
Principal
Malla Reddy Pharmacy College

MALLA REDDY PHARMACY COLLEGE

Approved by AICTE & PCI - Affiliated to JNTU-Hyderabad
Maisammaguda, Dhulapally, Secunderabad - 500 100, T.S.

SPORTS FEST-KRIDOSTAV-2K23

A Two Day State Level Inter Collegiate Sports Meet

Certificate of Appreciation

This is to certify that Mr/Ms SAI TEJA of GRIET College Department has won WINNER CASH Prize in the event CRICKET organized by the Department of Physical Education as a part of *SPORTS FEST* held on 24th and 25th of March 2023.

Mr. P. Shaik Shavali
Physical Director
Malla Reddy Pharmacy College

Dr. V. Asha Ranjani
Vice Principal
Malla Reddy Pharmacy College

Dr. G. Tulja Rani
Principal
Malla Reddy Pharmacy College

MALLA REDDY PHARMACY COLLEGE

Approved by AICTE & PCI - Affiliated to JNTU-Hyderabad
Maisammaguda, Dhulapally, Secunderabad - 500 100, T.S.

SPORTS FEST-KRIDOSTAV-2K23

A Two Day State Level Inter Collegiate Sports Meet

Certificate of Appreciation

This is to certify that Mr/Ms SIDDU of GRIET College Department has won WINNER CASH Prize in the event CRICKET organized by the Department of Physical Education as a part of *SPORTS FEST* held on 24th and 25th of March 2023.

Mr. P. Shaik Shavali
Physical Director
Malla Reddy Pharmacy College

Dr. V. Asha Ranjani
Vice Principal
Malla Reddy Pharmacy College

Dr. G. Tulja Rani
Principal
Malla Reddy Pharmacy College

MALLA REDDY PHARMACY COLLEGE

Approved by AICTE & PCI - Affiliated to JNTU-Hyderabad
Maisammaguda, Dhulapally, Secunderabad - 500 100, T.S.

SPORTS FEST - KRIDOSTAV-2K23

A Two Days State Level Inter Collegiate Sports Meet

Certificate of Appreciation

This is to certify that Mr/Ms SAI TEJA

of GRIET College

Department has won WINNER CASH Prize in the event CRICKET organized by the Department of Physical Education as a part of SPORTS FEST held on 24th and 25th of March 2023.

Mr. P. Shaik Shavali
Physical Director
Malla Reddy Pharmacy College

Dr. V. Asha Ranjani
Vice Principal
Malla Reddy Pharmacy College

Dr. G. Tulja Rani
Principal
Malla Reddy Pharmacy College


MALLA REDDY
PHARMACY COLLEGE
MALLA REDDY PHARMACY COLLEGE
COVID-19 INSTRUCTIONS
COVID - 19
WEAR A MASK , SAVE LIVES
WASH YOUR HANDS OFTEN
AVOID CLOSE CONTACT
HERBAL GARDEN
MALLA REDDY PHARMACY COL
Approved by AICTE, PCI & Affiliated to JNTU Hyderabad
SPORTS FEST-KRIDOTSAV-2K23
24-25 March, 2023
Patron
Sri. Ch Mahender Reddy
Dr. Ch Bhadra Reddy
Dr. Preethi Reddy
Sri. P Praveen Reddy
Mr. P Shaik Shavali

HITAM

CERTIFICATE

OF MERIT

THIS CERTIFICATE IS AWARDED TO

PRAshanth

OF GRIET FOR WINNING I POSITION IN THE

CRICKET TOURNAMENT CONDUCTED DURING

SANGRAM - 2023

DR. P RAJESH KUMAR	DR. S ARVIND	A. RAJ KUMAR
PRINCIPAL	DEAN ACADEMICS	PHYSICAL DIRECTOR

HITAM

CERTIFICATE

OF MERIT

THIS CERTIFICATE IS AWARDED TO

K. Rishith Varma

OF GRIET FOR WINNING I POSITION IN THE

CRICKET TOURNAMENT CONDUCTED DURING

SANGRAM - 2023

DR. P RAJESH KUMAR	DR. S ARVIND	A. RAJ KUMAR
PRINCIPAL	DEAN ACADEMICS	PHYSICAL DIRECTOR

HITAM

CERTIFICATE

OF MERIT

THIS CERTIFICATE IS AWARDED TO

Faizan

OF GRIET FOR WINNING I POSITION IN THE

CRICKET TOURNAMENT CONDUCTED DURING

SANGRAM - 2023

DR. P RAJESH KUMAR	DR. S ARVIND	A. RAJ KUMAR
PRINCIPAL	DEAN ACADEMICS	PHYSICAL DIRECTOR


HYDERABAD INSTITUTE
OF TECHNOLOGY
AND MANAGEMENT
UGC Autonomous College, A+Rating By NAAC
Gowdavelly, Near Kompally, Medchal, Hyderabad
HITAM
Date: 25th ,26th April 2023
SPORTS FEST
CRICKET BOYS
WINNERS

GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF PHYSICAL EDUCATION

Cricket

To

The Principal.

Subject: Participation of students in the sports events.

I wish to inform you that the following students are participating in the sports event hosted by Tech Mahindra from 29/03/23 to _____

S no	Name of the student	Roll number	Department
1	Dhanush	19241A04F1	ECE
2	Faizan	19241A05W5	CSE
3	Prashanth	19241A0537	CSE
4	Venkata Sai	19241A0229	EEE
5	Vinay surya	19241A05J0	CSE
6	Sahith	19241A05H9	CSE
7	Lalith	20241A05F0	ECE
8	Siddharth	20241A05C6	CSE
9	Sai Teja	20241A0578	CSE
10	Tharun	20241A12G4	IT
11	Lokesh	21241A04E1	ECE
12	Kamal	21241A04K0	ECE
13	Kushal	21241A04F9	ECE
14	Akshath		ECE
15	Bhuvanesh	20241A0227	EEE
16	Rishith	21241A05U3	CSE

It is requested to provide transport facility (pickup & drop) on the above mentioned dates.

Physical Director P.D

GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF PHYSICAL EDUCATION

To

The Principal.

Subject: Participation of students in the sports events. Kabaddi Girls

I wish to inform you that the following students are participating in the sports event hosted by KG Reddy college from 17th to 18th

S no	Name of the student	Roll number	Department
1.	B. Amretha	21241A66D8	CSM
2.	N. mounika	21241A04A3	ECE
3.	M. Hasika	22241A0529	CSE
4.	Padmaja	22241A12F1	IT
5.	Meghana	22241A1272	IT
6.	Geetha	22241A1297	IT
7.	~~Sravanthi~~ Varshitha	22241A12E3	CSBS
8.	~~Hasini~~ Sirisha	22241A0452	IT
9.	sanjana		CSE
10.	noohshin		IT
11.	varsha	22241A05P7	
12.	Bhavana		ECE

It is requested to provide transport facility (pickup & drop) on the above mentioned dates.

Physical Director

Principal

Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

TOP TOPPER 2%

This certificate is awarded to

NAVULURU VENKATA SUBBIAH PAVAN KARTHIK

for successfully completing the course

Data Analytics with Python

with a consolidated score of **90** %

Online Assignments	24.06/25	Proctored Exam	65.5/75

Total number of candidates certified in this course: **6359**

Prof. Sanjeev Manhas
Coordinator, Continuing Education Centre
IIT Roorkee

Jan-Apr 2022
(12 week course)

Priti Maheshwari

Prof. Priti Maheshwari
NPTEL Coordinator
IIT Roorkee

Indian Institute of Technology Roorkee

swayam

Roll No:NPTEL22CS08S13531130

To validate and check scores: https://nptel.ac.in/noc

Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

TOP TOPPER 5%

This certificate is awarded to

DILLI AKSHARA

for successfully completing the course

Data Analytics with Python

with a consolidated score of **83** %

Online Assignments	24.69/25	Proctored Exam	58.5/75

Total number of candidates certified in this course: **6359**

Prof. Sanjeev Manhas
Coordinator, Continuing Education Centre
IIT Roorkee

Jan-Apr 2022
(12 week course)

Prof. Priti Maheshwari
NPTEL Coordinator
IIT Roorkee

Indian Institute of Technology Roorkee

FREE ONLINE EDUCATION swayam शिक्षित भारत, उन्नत भारत

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

TOP TOPPER 1%

This certificate is awarded to

VARIKUPPALA PRAVEEN KUMAR

for successfully completing the course

Data Science for Engineers

with a consolidated score of **90** %

Online Assignments	25/25	Proctored Exam	64.58/75

Total number of candidates certified in this course: **2140**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jul-Sep 2021
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL21CS69S13580191

To validate and check scores: https://nptel.ac.in/noc

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

TOP TOPPER 5%

This certificate is awarded to

M SPOORTHI

for successfully completing the course

Data Science for Engineers

with a consolidated score of **84** %

Online Assignments	24.54/25	Proctored Exam	59.11/75

Total number of candidates certified in this course: **2140**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jul-Sep 2021
(8 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

FREE ONLINE EDUCATION swayam

Roll No:NPTEL21CS69S13580231

To validate and check scores: https://nptel.ac.in/noc

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science & Engineering

in collaboration with Computer Society of India & AICTE under SPICES

CERTIFICATE OF APPRECIATION

This is to certify that

Ms. Rudraram Adithi, Ms. Cholleti Sindhu Sri

from GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY

*have reached the **2nd level** in the National Level **VJ Hackathon-Victory & Joy in Smart Innovations** with the title **Detection of Fake Profiles** under the domain of **Cyber Security and Surveillance** conducted by **Department of Computer Science and Engineering, VNR VJIET** in collaboration with **CSI Student Branch Chapter** and **AICTE** under **SPICES** during 29th and 30th October, 2021.*

Mr. GS Ramesh Co-coodinator	Dr. A Brahmananda Reddy Co-coordinator	Mr. N Sandeep Chaitanya Coordinator	Dr. BV Kiranmayee Coordinator	Dr. S Nagini Head, Dept. of CSE

Proceedings of the Proceedings of the Second International Conference on Artificial Intelligence and Smart Energy (ICAIS).
DVD Part Number: CFP22OAJ3-DVD; ISBN: 978-1-6654-0051-0

Hand Gesture Recognition and voice, text conversion using CNN and ANN

Surekha P
Computer Science Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
prekha.572@gmail.com

Niharika Vitta
Computer Science Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
niharika6112000@gmail.com

Teja Sree Desani
Computer Science Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
desani.tejasree2000@gmail.com

Pranavi Duggirala
Computer Science Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
pranavi.reddy01@gmail.com

Venkata Surya Saranya Ambadipudi
Computer Science Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
s.suryasaranya@gmail.com

mailto:desani.te

***Abstract*— Individuals primarily communicate with one another. Blind and deaf people use sign language to communicate with others. Those individuals have difficulty communicating their message to ordinary people. Deaf and blind people believe they are unable to communicate because of a lack of communication skills, and as a result, they are unable to express their emotions. Because most individuals aren't educated in sign language, communicating in an emergency can be extremely challenging. As a consequence, the challenge may be solved by converting hand gestures into human-hearing sounds and text. Vision and non-vision approaches are two of the most commonly used methods for detecting hand movements or gestures. In a vision-based approach, a camera will be used for gesture detection, whereas sensors will be employed in a non-vision-based technique. In this study, a vision-based technique was used. This device detects and locates hand motions in order to keep a communication channel open with others. Using convolutional neural networks and artificial neural networks, this research develops a gesture recognition system. This study looks into the advantages and disadvantages of hand motion recognition.**

Keywords—Hand gesture, Gesture Recognition, Sign Language, Dumb and Deaf, Feature Extraction, Deep Learning, Webcam, Image Pre-processing.

I. Introduction

Sign language is becoming more popular as a technique to communicate with those who are unable to communicate verbally. It is a language in which hand motions are used to express alphabets and words. The vision technique has been the most extensively used method for sign recognition in recent decades. It's a technology that uses a camera to identify data transmitted by finger motions. It is the most commonly used visual-based method. Vision-based sign recognition systems have taken a lot of time and effort to develop all over the world. The two vision-based gesture recognition systems are direct and indirect. Previously, for the recognition of hand gestures, a vision-based approach was used. However, the ambient influence on the detected picture is significant in this approach. The hand motion is detected and converted into speech and text.

One of the most important challenges that this one-of-a-kind personality suffers from is the communication gap between a disabled person and an ordinary person. Due to a lack of communication, deaf and dumb people are unable to express their feelings. Hand Gesture Recognition and Voice Conversion (HGRVC) technology identifies and monitors the hand motions of the deaf and dumb, allowing them to converse with others. Webcams are used to detect hand movements. With the help of pre-processing, the images are then converted to normal size. The goal of this study is to create a system that can translate hand gesture into speech and text. Hand gesture is analysed as part of the identification. The technology provides text output, which helps deaf people, and also speech output, which helps blind people and humans communicate more effectively.

A. Problem Statement

To communicate with the wider public, deaf and blind people rely significantly on sign language. Those persons find it challenging to express their message to regular people. Due to a lack of communication, deaf and blind people are unable to transmit and express their feelings. Hand signals can be converted into human voice and writing to remedy the problem. People engage with one other mostly through communication. Dumb and blind persons use sign language to communicate with those who are not deaf or blind. Those individuals find it extremely difficult to communicate their message to the general public. They are uneasy about taking on such a massive task. Dumb and blind individuals believe they are unable to communicate because of a lack of communication, and as a result, they are unable to convey their emotions. Because most individuals aren't trained in sign language, communicating their message in an emergency is extremely challenging. As a result, the solution to this challenge is to transform hand movements into human hearing voice and text.

2022 8th International Conference on Advanced Computing and Communication Systems (ICACCS)

An Innovative Emotion Recognition and Solution Recommendation Chatbot

[1]Ashlin Deepa R N
Department of Computer Science and Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
rndeepa.pradeep@gmail.com

[2]Prathyusha Karlapati
Department of Computer Science and Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
prathyushakpt@gmail.com

[3]Mrunhaalhini Reddy Mulagondla
Department of Computer Science and Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
mrunhaalhinireddy.m@gmail.com

[4] Pavitra Amaranayani
Department of Computer Science and Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
pavithra.amaranayani@gmail.com

[5]Anika Pranavi Toram
Department of Computer Science and Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
anikapranavitoram2001@gmail.com

***Abstract*—The proposed chatbot for emotion recognition and solution recommendation system is a web-based application that aims at helping people to handle their emotions without any external assistance. In today's world, pressure and stress on the professional front, insecure relationships, and other factors produce a lot of mental turmoil, which many prefer not to discuss with others. The proposed system simulates a one-on-one interaction of the user with the chatbot through images, category selection, and text data describing the mood of the person. The user's text description of emotion is analyzed using a variety of machine learning algorithms and parameters, with Random Forest proving to be the most precise in recognizing emotion with accuracy and F1 score of 97.55 and 0.969, respectively. This facilitates recognizing subtle and hidden emotions to recommend better ways of handling the emotions. The proposed chatbot uses state of art technology to analyze the mood of the user using multiple inputs and recommends different ways of controlling the emotion.**

Keywords—chatbot; emotion recognition; natural language processing; recommendation system; machine learning; web-based application; sentiment analysis; text classification

I. Introduction

Artificial intelligence (AI) is the ability of a computer chatbot to accomplish activities that are commonly performed by humans and are associated with human intelligence [1]. A chatbot is an application that uses AI and Natural Language Processing (NLP) to understand the users and simulate a human-like conversation over the internet, forums, tablets, and message applications. In chatbots, Machine Learning (ML) and NLP are used along with AI mechanisms to provide an interactive environment to the user [2]. NLP plays a major role in making the chatbots accept input questions, analyze the received text, and respond by generating the output text. NLP allows computers to derive meaning from user input. In case of chatbots, it evaluates user input and then generates replies based on contextual analysis, much like humans.

A. Types of Chatbots

In general, chatbots can be classified into rule-based chatbots and conversational chatbots. Rule-based chatbots operate within some pre-defined rules and are limited in their scope of activity. These rules are used to train the chatbots, develop a response system, and help the chatbot to get an idea about the questions. In rule-based chatbots, the questions are mapped to the corresponding response that will be given as output. Conversational chatbots rely on NLP to extract information from user's text and respond with the most appropriate replies. They use AI to improve the accuracy of the response over time [3]. Chatbots are widely used for different business applications like flight booking and FAQ agents [4].

B. Emotions and Need for Psychotherapy

Emotions are how the brain interprets body feelings based on previous experiences. Almost everyone experiences diverse emotions such as joy, anger, fear and so forth. They have a significant impact on how individuals think and act. Despite its importance on a person's overall health, nearly two-thirds of the population with mental health problems never seek treatment, and one out of every four people are likely to experience mental or neurological issues at a certain point in life. Many do not receive treatment for various reasons, including lack of availability of assistance or increasing need for counselling and hesitance in discussing the issue. Not reaching out for help may further worsen the situation leading to suicidal and self-harm tendencies, but not everyone can afford the time or money for professional help

978-1-6654-0816-5/22/$31.00 ©2022 IEEE

8th International Conference on Advanced Computing and Communication Systems (ICACCS) | 978-1-6654-0816-5/22/$31.00 ©2022 IEEE | DOI: 10.1109/ICACCS54159.2022.9785069

2022 8th International Conference on Advanced Computing and Communication Systems (ICACCS)

Speech to Sign Language Translation for Indian Languages

Jashwanth Peguda
Department of Computer Science and Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
jashwanthpegudapj@gmail.com

V Sai Sriharsha Santosh
Department of Computer Science and Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
harshasantoosh2000@gmail.com

Y Vijayalata
Department of Computer Science and Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
vijaya@griet.ac.in

Ashlin Deepa R N
Department of Computer Science and Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
rndeepa.pradeep@gmail.com

Vaddi Mounish
Department of Computer Science and Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
mounish789@gmail.com

2022 8th International Conference on Advanced Computing and Communication Systems (ICACCS) | 978-1-6654-0816-5/22/$31.00 ©2022 IEEE | DOI: 10.1109/ICACCS54159.2022.9784956

***Abstract*— Hearing-impaired people and mute people face a lot of difficulty in communication while interacting with others in society. It may reduce their self-confidence and might make them feel isolated from others. Sign language acts as a communication medium between deaf people and ordinary people. Many technologies are used to convert the text to American Sign Language. There is a limited amount of research done on Indian Sign Language and is widely used by deaf people in India. This research aims at conversion of speech to Indian sign language for six Indian regional languages Telugu, Hindi, Malayalam, Marathi, Kannada and Tamil. The proposed model takes speech as the input and displays a sequence of corresponding gestures as the output. It involves speech recognition using Wavelet-based MFCC with GMM, text translation using LSTM and mapping the text with the sign language.**

Keywords*— *Sign Language, Speech Recognition, Text Translation, Gaussian Mixture Model, Expectation-Maximization, Long Short Term Memory, Indian Sign Language, Speech to Sign language.

I. Introduction

Sign Language involves visual gestures and signs, which deaf people and mute people use. It involves manual and non-manual signals, where manual signs involve fingers, hands, arms, and non-manual signs involve the face, head, eyes, and body. There are 18 million hearing-impaired in India; four in every 1000 children suffer from severe to profound hearing loss. Many firms are constantly searching for skilled and talented individuals, but the people who cannot talk and hear happen to lose many job opportunities. Deaf and mute people feel ostracized as they cannot communicate with ordinary people. It is challenging for ordinary people to communicate with deaf and mute people as they are unfamiliar with sign language. There are many sign languages in the world where each country has its sign language, such as American Sign Language (ASL) [1], Japanese Sign Language (JSL) [2], Indian Sign Language (ISL), Arabic Sign Language [3], Etc. American Sign Language uses one hand, whereas Indian Sign Language involves using both hands. Furthermore, Japanese sign language considers mouthing along with hand signs, while Arabic sign language is still developing. But, in India, ISL is more widely used than any other sign language. Many systems are built on ASL, but only a few are developed using ISL. Some ISL systems convert the sign language to speech, but no system converts the regional speech to Sign Language [4].

Much research has been conducted in the field of continuous Speech Recognition of Indian languages such as Telugu [5], [6], Tamil [7], [8], Kannada [9], Marathi [10], Malayalam [11], Hindi [12], Etc. Along with speech recognition, text translation has also been a field of research that has been active for an extended period. Many papers are present on Text Translation for various languages, such as Telugu [13], Marathi [14], Malayalam [15], Hindi [16], Etc. to English text. Some systems translate regional text into Indian sign language using LSTM models, while others convert regional speech to text by MFCC with HMM, Naïve Bayes, etc. However, no system directly translates regional speech to Indian Sign Language. This work builds a system that can convert the speech to ISL for six Indian regional languages such as Telugu, Hindi, Tamil, Malayalam, Kannada, and Marathi. It is implemented using wavelet-based Mel-Frequency Cepstral Coefficients(MFCC) with Gaussian Mixture Model(GMM) for Speech Recognition, Encoder-Decoder based Long Short Term Memory(LSTM) for Text Translation, and Indian Sign Language (ISL) generation. Research shows that Gaussian models outperform in recognition applications [17], [18].

The paper is divided into six sections. Section I gives a brief introduction to Indian Sign Language. Section II describes the related works in Speech Recognition and Text Translation. Section III gives a brief description of the proposed approach. Section IV shows the evaluation and

978-1-6654-0816-5/22/$31.00 ©2022 IEEE

A Novel Deep-Learning Based Classification Of Alzheimer's Disease In Adults

Harish Rohan Kambhampaty
Computer Science and Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
harishrohank@gmail.com

Battula Naga Datha Saikiran
Computer Science and Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
battulasaikiran2002@gmail.com

Y. Vijayalata
Computer Science and Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
vijaya@ieee.org

Ashlin Deepa R. N
Computer Science and Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
rndeepa.psdeeps@gmail.com

2022 IEEE Delhi Section Conference (DELCON) | 978-1-6654-5883-2/22/$31.00 ©2022 IEEE | DOI: 10.1109/DELCON54057.2022.9753591

***Abstract*—Alzheimer's Disease (AD) is a neurodegenerative disease that is the cause of impairment of cognitive abilities and deterioration of memory. AD is most often observed in people beyond the age of 65. Diseases like AD are best treated by starting the treatment early. Delaying the treatment due to minor uncertainty can accelerate the deterioration. Using AI, medical professionals can confirm the presence or absence of the condition and immediately start the treatment.**

In this paper, Sequential Deep Convolutional Neural Network was used to perform a 5-way classification. Data from two varied sources was combined. The data was oversampled using Synthetic Minority Over-Sampling technique from imblearn. The Deep CNN model was able to achieve a maximum of 93.57% accuracy while being tested on data from both data sources. Thus, Deep CNNs are able to classify brain MRI images from varied data sources with sufficient accuracy.

Keywords*— *Classification, Brain MRI, Alzheimer's Disease, Deep CNN, Deep Learning

I. Introduction

Alzheimer's disease (AD) is a neurodegenerative disease, which means that it causes a progressive loss of structure and functions of neurons, slowly leading to death. It is most commonly caused by dementia which is progressive impairment in memory. It most often affects the short-term memory. People affected by AD may have problems understanding the language; this neurological syndrome is called dementia. "AD is a brain disorder that slowly destroys memory and thinking skills and, eventually, the ability to carry out the simplest tasks" [1]. "Alzheimer's is the most common cause of dementia, a general term for memory loss and other cognitive abilities serious enough to interfere with daily life" [2]. Persons affected with AD are said to be disoriented and lose the capability to understand time, directions, people, and place. The symptoms may include mood swings, which means that AD will frequent change in the person's mood. The patient may lose his/her confidence. Their condition deteriorates further as they neglect themselves. A patient who has AD exhibits abnormal behaviour. Apolipoprotein [3] is a sub-type of AD. Some factors like head injury, depression, and high stress may be causes for AD. "Research supports the theory that an imbalance in the production and clearance of amyloid-beta is central to the development of AD" [3]. In the brain of a person affected with AD, protein builds up around the brain cells. Due to AD, "there is a loss of neuron connection in the brain" [1] where an electrical or chemical signal passes to another neuron.

AD patients may benefit from exercise programs. It helps the patients recover or reduce the symptoms of the disease. Due to abnormal behavior and impairment of memories in the brain may cause problems in daily living and lead to an earlier death (3-10 years after the disease [4]). Often AD begins in people more than 65 years of age. Due to short-term severe memory-loss and dementia, the neuron cell dies in the brain. AD is a disease wherein the earlier stages are just mild memory loss. In the final stage of AD, the patient fails to remember the conversations he/she was having.

There may be problems in understanding the language, worsening of vocabulary, decreased word frequency, and gradual deterioration of reading and writing skills [5]. Difficulty in speech increases. In the middle stages, frequent use of unrelated vocabulary is noticed. In the advanced stages, they require round-the-clock care to perform daily tasks [6]. AD does not affect all memories equally. Essential memories like long-term memory, general knowledge, and episodic memory are not affected by AD in earlier stages. AD is characterized by the loss of neurons and the inability to pass electrical or chemical signals to other neurons. Altered cholesterol metabolism seems to play a fundamental role in the formation of amyloid plaques and tau hyperphosphorylation [7].

There is tremendous research being conducted all over the world to find a definitive cure for AD, but none have been identified yet. However, methods have been identified to

978-1-6654-5883-2/22/$31.00 ©2022 IEEE

International conference on Recent Trends in Machine Learning, IOT, Smart Cities & Applications (ICMISC 2022)

Publisher:- Lecture Notes in Networks and Systems https://www.springer.com/series/15179

SPRINGER NATURE

Dates: 28th– 29th March, 2022

Venue: CMR Central Auditorium, CMR Institute of Technology, Hyderabad, India

CMR
EXPLORE TO INVENT

The third edition of "International conference on Recent Trends in Machine Learning, IOT, Smart Cities & Applications", ICMISC 2022 is scheduled in Hyderabad, India from 28th – 29th March, 2022 in ***Hybrid Mode***. While the theme of this conference is "***Smart Mobility, Economy, Living, Governance, People and Environment***", the scope of this conference has been kept reasonably wide with the following major topics (But not limited to):

International Conference on Communications and Cyber Physical Engineering 2018

ICCCE 2022: Advances in Cognitive Science and Communications pp 1123–1132

Community-Based Question Answering Site Using MVC Architecture for Rapid Web Application Development

D. V. S. S. Sujan, B. Lalitha, Ajay Reddy, A. Lakshmi Pathi, G. Sai Nikhil & Y. Vijayalata

Conference paper | First Online: 10 March 2023

Part of the Cognitive Science and Technology book series (CSAT)

Abstract

There are many social platforms that connect everyone across the globe. But still, we find a gap in connecting with our faculty, seniors, alumni, etc., who belong to the same college and community. It is important to know the perspective of others regarding any aspect related to the college. Making the students, faculty and alumni connected

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

JNTUH UNIVERSITY COLLEGE OF ENGINEERING HYDERABAD (AUTONOMOUS)

Kukatpally, Hyderabad - 500085, Telangana, INDIA

QUEST 2022

A National Level Technical Symposium.

Certificate of Participation

This is to certify that Mr/Ms. Gundeti Rakshitha

from Gokaraju Rangaraju Institute of Engineering and Technology

has Participated in Blind Code

held on 12th and 13th April , 2022.

Supreethi K P

Dr. Supreethi K P
Staff Coordinator

Dr. D Vasumathi
Head of the Department, CSE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

JNTUH UNIVERSITY COLLEGE OF ENGINEERING HYDERABAD (AUTONOMOUS)

Kukatpally, Hyderabad - 500085, Telangana, INDIA

QUEST 2022

A National Level Technical Symposium.

Certificate of Participation

This is to certify that Mr/Ms. Gundeti Rakshitha

from Gokaraju Rangaraju Institute of Engineering and Technology

has Participated in Blind Code

held on 12th and 13th April , 2022.

Supreethi K P

Dr. Supreethi K P
Staff Coordinator

Dr. D Vasumathi
Head of the Department, CSE

Proceedings of the International Conference on Applied Artificial Intelligence and Computing (ICAAIC 2022)
IEEE Xplore Part Number: CFP22ID3-ART; ISBN: 978-1-6654-9710-7

Applying CNN on Lung Images for Screening Initial Cancer Stages

Sumitha Vadi Gogula
Computer Science and Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
sumitagv@gmail.com

Srinath Goud Komiri
Computer Science and Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
komirisrinathgoud99@gmail.com

Vishnu Vardhan Arivilli
Computer Science and Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
arivilli688@gmail.com

Pandari Gulapally
Computer Science and Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
pandarigulapally2000@gmail.com

Kowshik Kodumuri
Computer Science and Engineering
Gokaraju Rangaraju Institute of Engineering and Technology
Hyderabad, India
kowshikkodumuri@gmail.com

2022 International Conference on Applied Artificial Intelligence and Computing (ICAAIC) | 978-1-6654-9710-7/22/$31.00 ©2022 IEEE | DOI: 10.1109/ICAAIC53929.2022.9793286

***Abstract*— Cancer is the most common disease nowadays, in particular the lung cancer is often diagnosed in many individuals. There are various factors that contribute to cancer in humans, but among them tobacco smoking remains as a key contributor. Smoking is a primary cause, but many other variables, such as second-hand smoke, industrial pollutants, asbestos exposure, and so on, can also cause cancer. These all need to be filtered by lungs, as lungs always need to be working, unlike other organs in the body lungs does not have any rest so it gets effected early than all other body organs, in such cases it has to be examined carefully and clearly for many times to conclude whether it is affected with cancer. This effort is made to make such simple support for doctors in designing a CAD system for identifying the presence of tumor in lungs, this model has high accuracy rate in identifying the problem. CNN is a reliable algorithm for finding such minute problems in CT Scan image of lung to confirm the disease. Lung CT images were used in this study. Training accuracy of our model is 96.11% and the validation accuracy is 97.8%.**

***Keywords*— Computer Aided Design, Convolutional Neural Networks, Computed Tomography, Deep Learning, Lung Cancer**

I. Introduction

Lung cancer is a type of cancer that starts in the lungs and expands to various parts in the body. Cancer in the lungs is the most widely recognized sort of disease that kills people. The assumption is that genetic factors must put certain individuals at higher risk for cellular breakdown in the lungs after openness to cancer-causing agents [6]. Lung cancer was diagnosed in an approximated 171,600 people in the United States in 1999 (94,000 men and 77,600 women), with 158,900 people dying as a result of the disease. As a safety measure, the United States Preventive Services Task Force (USPSTF) indicates that high-threat adults be checked yearly with low-dose computed tomography (CT) [23]. For the reasons stated above, it is necessary to deploy a CAD system to assist clinicians in identifying lung cancer as early as possible, not only recognising the nodule but doing so with high accuracy. Our aim is to recognize the presence of cellular breakdown in the lungs in understanding CT images of lungs with and without early phase cellular breakdown in the lungs, using a binary classification issue. To create an accurate classifier, this research work attempts to leverage different approaches from computer vision and deep learning, specifically convolutional neural networks. This research study has used a dataset from Kaggle and constructed a CNN model, trained for the purpose of Lung Cancer detection.

II. Background

In the lung cancer diagnosis, computed tomography (CT) is needed to spot the pulmonary nodules. To detect and categorise pulmonary nodules in clinical CT scans, we need to employ a well-trained deep learning system, as deep learning algorithms have recently been recognised as a promising tool in the medical field [4]

This study was designed to aid doctors in making decisions regarding a patient's health and increase informed patient consent by providing a thorough grasp of the risks involved in treatment procedures based on the patient's condition. By gathering information about the patient's state, we can also save some expensive resources that aren't required for the patient. Despite ongoing forward leaps in analytic strategies, unobtrusive changes, and theoretical therapies, cellular breakdown in the lungs patient results stay poor, subsequently, a more profound comprehension of hazard variables might affect local area level preventive drives [1].

Convolutional neural network (CNN) was the primary deep learning technique to acquire widespread attention for their superior performance in AI applications [16]. Several medications developed as a result of these research are now approved for the treatment of certain types of lung cancer. Current lung cancer biology research using cell lines, tumour samples, and animal models, along with knowledge of the lung cancer genome, will bring about a superior comprehension of the illness and new remedial options for patients [21].

Victor [10] employed a deep learning model and achieved an accuracy of 88.4%. Jan et al. [18] A morphological and circular filter-based lung segmentation approach was proposed. Later, they have used CNN approach and got an accuracy of 84.62%. Lyu. [11] developed a Multi-Level

Course Completion Certificate

This certificate is awarded to

NEELI SANDHYA LAKSHMI

for successfully completing the training in Web Applications course conducted at Future Ready Youth Skilling Program at Madhura Nagar from 06-Jun-22 to 03-Sep-22.

Authorised signatory
Nirmaan Organization

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

SOWBHAGYA MOHANTHY

for successfully completing the course

Data Science for Engineers

with a consolidated score of **78** %

Online Assignments	25/25	Proctored Exam	52.61/75

Total number of candidates certified in this course: **2140**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jul-Sep 2021
(8 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No:NPTEL21CS69S13583867

To validate and check scores: https://nptel.ac.in/noc

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

NIKHIL SIDDARDHA PASUPULETI

for successfully completing the course

Data Science for Engineers

with a consolidated score of **76** %

Online Assignments	25/25	Proctored Exam	51.05/75

Total number of candidates certified in this course: **2140**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jul-Sep 2021
(8 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

FREE ONLINE EDUCATION swayam

Roll No:NPTEL21CS69S13490166

To validate and check scores: https://nptel.ac.in/noc

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY, HYDERABAD- 85. T.S.

योगः कर्मसु कौशलम्
GATEWAY TO EXCELLENCE

INTER COLLEGIATE SPORTS AND GAMES

CERTIFICATE OF MERIT

This is to certify that Ms/Mr. M. AKSHITA

S/o./D/o. Sri M. ARAVIND *and*

Smt. _____

a student of GRIET *studying in*

class B.Tech *Branch* _____ *Year* _____

has represented college BADMINTON (Singles) *team*

in the JNTUH Zone A, B, C, D, Central Zone Tournament / Event held at

VNR VJIET *during the Year 20 - 20*

The Team / player Secured 2nd *position.*

Date : 24.01.2020

Physical Director
of the college
organized Zone
Tournament

PRINCIPAL
VNR Vignana Jyothi Institute of
Engineering & Technology
Bachupally, Kukatpally, Nizampet (S.O)
Hyderabad-500 090
Principal
of the college
organized Zone
Tournament

Secretary
JNTUH Intercollegiate
Sports & Games

Dr. Y. GOPI KRISHNA
PROFESSOR OF PHYSICAL EDUCATION &
SECRETARY
JNTUH INTER COLLEGIATE SPORTS & GAMES
JNTUH COLLEGE OF ENGG. SULTANPUR
Sultanpur (V), Sangareddy Dist. (T.S.)

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, https://nptel.ac.in/noc/

Roll No: NPTEL21CS50S21610006

To
MOHAMMED ASIF
H.NO:14-1-89/1/A,NEWALLAPUR,KUKATPALLY.
TELANGANA - 500114
PH. NO :9603842622

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

TOP TOPPER 5%

This certificate is awarded to

MOHAMMED ASIF

for successfully completing the course

User-centric Computing for Human-Computer Interaction

with a consolidated score of **85** %

Online Assignments	24.88/25	Proctored Exam	60/75

Total number of candidates certified in this course: **583**

Jan-Mar 2021
(8 week course)

Prof. Hemant B Kaushik
Head, Center for Educational Technology
NPTEL Coordinator, IIT Guwahati

Indian Institute of Technology Guwahati

FREE ONLINE EDUCATION swayam शिक्षित भारत, उन्नत भारत

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, https://nptel.ac.in/noc/

Roll No: NPTEL20CS72S41600993

To
KOMIRI SRINATH GOUD
H.NO:6-3-48/2 , HANUMAN NAGAR , ROAD NO 1
SADASHIVPET, DISTRICT:SANGAREDDY
SADASHIVPET
TELANGANA - 502291
PH. NO :9398852534

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

KOMIRI SRINATH GOUD

for successfully completing the course

Data Science for Engineers

with a consolidated score of **71** %

Online Assignments	25.00/25	Proctored Exam	45.66/75

Total number of candidates certified in this course: **2043**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Sep-Nov 2020
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

FREE ONLINE EDUCATION swayam शिक्षित भारत, उन्नत भारत

Roll No: NPTEL20CS72S41600993

To validate and check scores: https://nptel.ac.in/noc

Gokaraju Rangaraju Institute of Engineering and Technology

Smart India Hackathon 2019

SIH

SMART INDIA
HACKATHON
2019

Dear Team Y-NOT

Heartiest Congratulations!

You are the Winning Team at the Smart India Hackathon 2019 Software edition Grand Finale held on Mar 2 & 3, 2019 at **Raj Kumar Goel Institute of Technology, Ghaziabad** for Problem statement SP1 under **Dalmia Cements**.

It's a pleasure to inform you that being the Winning team. The amount of prize money will be credited to the bank account of the Team Leader after deduction of applicable taxes in a span of 3 months from SIH2019 Software edition Grand Finale via RTGS fund transfer only. We, therefore, request you to please share your bank account details in the below format ***along with scanned copy of your Pan Card and Cancelled cheque*** by email (from the team leader's email id registered on our records) to **sebastian.parayil@dalmiacement.com** with CC to sih@aicte-india.org, anuja-sih@aicte-india.org **and** pratap_sanap@persistent.com **before Friday, Mar 8, 2019**. Team Leaders are expected to distribute the amount equally amongst all the team members, as soon as the amount is credited to their account. Teams are requested to please be patient as the amount will be credited to the team leader's account in a span of three months. They should get in touch with us only if the amount is not credited within that time.

Details for fund transfer
Name of Team:
Name of Team Leader:
Name of Team Leader's Bank and Branch:
Team Leader's bank a/c no:
IFSC code:

***If a team leader does not have his/ her own account, he/ she may share bank details of a registered team member along with that person's scanned copy of Pan Card and Cancelled cheque.

We appreciate your enthusiasm to be part of the World's biggest nation building initiative.

All the best!

Regards,
Smart India Hackathon 2019 Team

AWARDS

Team Y-NOT! won the Prize FIRST Prize Rs 75000/- for DALMIA BOT form DALMIA CEMENT at SIH19 Prize Distribution.

L-R: ON DIAS Chief guest, dean, director and pricipal RKGIT
OFF DIAS: JUDEGES (DALMIA CENENTS), G. Mallikarjuna Rao (mentor), P.Nani, K. Kavya, Riya Singh, M. Divysa , Malavika M, Khair Unnisa (Team Leader)

Gokaraju Rangaraju Institute of Engineering and Technology

Smart India Hackathon 2019

हैकाथन में तेलांगाना का दबदबा

स्मार्ट इंडिया हैकथॉन प्रतियोगिता के समापन पर विजेता छात्र

जास, गाजियाबाद : आरकेजीआइटी में चल रहे दो दिवसीय स्मार्ट इंडिया हैकाथन का समापन रविवार रात हो गया। गोकराजू गंगा राजू इंस्टीट्यूट आफ इंजीनियरिंग एंड टेक्नोलाजी तेलांगाना एवं आरकेजीआइटी की कोडिंग रेजर को विजेता घोषित किया। अन्य वर्ग मे टेक्नोस तमिलनाडु श्री कृष्णा कॉलेज ऑफ इंजीनियरिंग एंड टेक्नोलॉजी, स्नैप कालेज तेलांगाना, आइआइटी हैदराबाद, महाराष्ट्र के एक्सीडेंटल इंजीनियर्स, फरसी रोड्रिग्युज इंस्टीट्यूट ऑफ टेक्नोलॉजी, मध्यप्रदेश के कीकोडर्स में इंस्टीट्यूट ऑफ इंजीनियरिंग एंड टेक्नोलाजी को विजेता घोषित किया। कार्यक्रम समापन पर छात्रों की थकान दूर करने के लिए धुंधा कार्यक्रम आयोजित किया गया। शुक्रवार से आयोजित कार्यक्रम में लगातार 36 घंटे तक तमिलनाडु, तेलंगाना, दिल्ली, महाराष्ट्र, उत्तर प्रदेश से आई 26 टीमों ने प्रतिभाग किया। इस प्रोग्राम का आयोजन एआइसीटीइ एवं एमएचआरडी द्वारा आयोजित किया गया। आरकेजीआइटी के नोडल सेंटर हेड प्रताप सनप एवं मुख्य अतिथि एसएम मित्तल ने रविवार शाम विजेताओं का नाम घोषित किए। संस्थान के चेयरमैन दिनेश गोयल एवं अक्षत गोयल ने सभी शिक्षकों व विद्यार्थियों को शुभकामनाएं दी।

Gokaraju Rangaraju Institute of Engineering and Technology

Smart India Hackathon 2019

Gokaraju Rangaraju Institute of Engineering and Technology

Smart India Hackathon 2019

BLACKBUCK ENGINEERS

CERTIFICATE
OF MERIT

is awarded to

Nandini

For securing a position in the top 10 teams in the "**Telangana Got Tech Talent**" hackathon conducted jointly by Blackbucks and JNTUH, Hyderabad.

Anuradha Thota
Founder & CEO
Blackbuck Engineers Pvt. Ltd.

Dr. M. Manzoor Hussain
Registrar
JNT University Hyderabad

BLACKBUCK ENGINEERS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
योगः कर्मसु कौशलम्
GATEWAY TO EXCELLENCE

CERTIFICATE
OF MERIT

is awarded to

Soumya Mooda

For securing a position in the top 10 teams in the "**Telangana Got Tech Talent**" hackathon conducted jointly by Blackbucks and JNTUH, Hyderabad.

Anuradha Thota
Founder & CEO
Blackbuck Engineers Pvt. Ltd.

Dr. M. Manzoor Hussain
Registrar
JNT University Hyderabad

From Wonder, Wisdom

Heartfulness Education Trust
www.heartfulness.org

Heartfulness Education

Course Completion Certificate

This is to certify that

Mr/Ms **NEELI SANDHYA LAKSHMI**

has successfully completed the 4-week certificate course titled

HELP

(Heartfulness - Experience Life's Potential)

conducted for **Polytechnic Students in association of Department of Technical Education,**

Government of Telangana as Online Sessions during the academic year 2020 - 2021

and has learnt the application of Heartfulness meditation tools for the development

of essential life skills and understanding of core human values.

Navin Mittal

Navin Mittal, IAS
Commissioner of Technical Education,
Telangana State

Kamlesh Patel

Kamlesh D. Patel
Heartfulness Guide


E-Cell IIT MADRAS
Powering Entrepreneurship at IITM
E-Cell IIT MADRAS x WESTBRIDGE CAPITAL
presents
E-SUMMIT
2023
ASSEMBLAGE OF CHANGEMAKERS
CERTIFICATE
OF APPRECIATION
THIS CERTIFICATE IS PROUDLY PRESENTED TO
Kallam Hemasri
of team Pheonix for securing Second position
in MarketUp conducted by Entrepreneurship-Cell,
IIT Madras 2022-23
Bhagyesh Shisode
Head, E-Cell IIT Madras
Prof. Ashwin Mahalingam
Faculty Advisor, E-Cell IIT Madras
Nishant Gudipaty
Head, E-Cell IIT Madras

BLACKBUCK ENGINEERS

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
योगः कर्मसु कौशलम्
GATEWAY TO EXCELLENCE

CERTIFICATE
OF MERIT

is awarded to

Hima Sreeja

For securing a position in the top 10 teams in the **"Telangana Got Tech Talent"** hackathon conducted jointly by Blackbucks and JNTUH, Hyderabad.

Anuradha Thota
Founder & CEO
Blackbuck Engineers Pvt. Ltd.

Dr. M. Manzoor Hussain
Registrar
JNT University Hyderabad

Certificate of Participation

This is to certify that

Venaganti Yashwanth

of **Gokaraju Rangaraju Institute of Engineering and Technology (GRIET), Hyderabad** has participated in the **Coding Round (on Unstop)** of **Diva Code** organised by **HopeConflict E-Learning and IT Solutions**

TMGA

TELANGANA MASTERS GAMES ASSOCIATION

PARTICIPATION CERTIFICATE

This Certificate is Presented to

Akshitha

for Participating in the 3rd Telangana Masters Games Association State Badminton Championship - 2020 at Match Point Badminton Academy Alkapur Township

P. Ravi Kumar	B. Sanjay Kumar	M. Prabhakara Rao
President	Convener	General Secretary