

**Information for GPREC News Letter
(July - December, 2023)**

1. Events conducted/ organized:

1. Department of ECS , GPREC (Autonomous), Kurnool has organized one day workshop on “Academic Interface Program” on 18 th November 2022 in collaboration with Tata Consultancy Services.

2. Department of ECS , GPREC (Autonomous), Kurnool has organized one week National level FDP on Cloud Infrastructure (AWS) in Association with Braino O Vision from 21 st August -25 th August 2023.

3. Department of ECS , GPREC (Autonomous), Kurnool Department of ECS , GPREC (Autonomous), Kurnool one week National level FDP on Cloud Infrastructure (AWS) in Association with Braino O Vision from 21 st August -25 th August 2023.

4. Department of ECS , GPREC (Autonomous), Kurnool has Organized a one week online International level FDP on “Introduction to Artificial Intelligence” during 9 th October to 14th October 2023, organized by Department of ECS & EEE,GPREC in association NI Lab View Academy of GPREC.

5. Department of ECS , GPREC (Autonomous), Kurnool has Organized a one week online FDP on “UAV Technologies and its Applications” during 10 th October 2023 to 18 th October 2023.

6. Department of ECS , GPREC (Autonomous), Kurnool has Organized a one day workshop on “ AI for students: Build your own Generative AI model ” in collaboration with Nxtwave on 23rd December 2023.

2. workshops /fdp’s/Conferences /seminars attended by faculty:

S.No	Names of Faculties	Department	Workshop/Conference /fdp/Seminar attended title	Held at	Period from - to
1.	Dr. R. Praveen Sam	ECS	Online Refresher Course on "Artificial Intelligene"	JNTU,Hyderabad	10-07-2023 To 24-07-2023
			Accreditation and Outcome Based Learning	NPTEL	01-08-2023 To 30-10-2023
			“Statistical and Probability Insights for Data Science:Applications and Usecases”	Vardhaman College of Engineering ,Hyderabad	06-11-2023 To 10-11-2023
			Deep Learning for NLP and Computer Vision	CBIT,Hyderabad	10-07-2023 To 28-07-2023
2.	Dr. K.Govardhan Reddy	ECS	Online Refresher Course on "Artificial Intelligene"	JNTU,Hyderabad	10-07-2023 To 24-07-2023
			Societal Applications of Machine Learning	S.V.E.C.W, Bhimavaram	24-07-2023 To 28-07-2023
			Deep Learning for NLP and Computer Vision	CBIT,Hyderabad	10-07-2023 To 28-07-2023
			Machine Learning Algorithms and its Applications	GPREC	10-07-2023 To 14-07-2023
3.	Dr.Y.Rama Mohan	ECS	Machine Learning and its Applications	GPREC	10-07-2023 To 14-07-2023

4.	Sri. A.Vishnuvardhan Reddy	ECS	Deep Learning for NLP and Computer Vision	CBIT,Hyder abad	10-07-2023 To 28-07-2023
5.	Sri. K.Srikanth	ECS	Training Program on Cloud Computing	Wipro Limited	21-08-2023 To 25-08-2023
			Deep Learning for NLP and Computer Vision	CBIT,Hyder abad	10-07-2023 To 28-07-2023
			Machine Learning Algorithms and its Applications	GPREC	10-07-2023 To 14-07-2023
6.	Sri. P.N.V.S.Pavan Kumar	ECS	Universal Human Values -2 Face to Face Programme	AICTE at JNTUCEA Pulivendula campus, Pulivendula	12-12-2023 TO 16-12-2023
			Cloud Infrastructure (AWS)	Brain O Vision	21-08-2023 To 25-08-2023
7.	Smt. K.Asha Rani	ECS	“Machine Learning”	Infosys Spring board.	25-07-2023 To 25-08-2023
			Machine Learning and its Applications	GPREC	10-07-2023 To 14-07-2023
			AI/ML and Data Science for industry 4.0 (Basic Level)	NITTTR, Chandigarh	21-08-2023 To 25-08-2023
			DeepLearning	NITTTR, Chandigarh	11/09/2023 To 15/09/2023
			Datascience for Business	VIIT, Pune	04-09-2023 To 08-09-2023
			Introduction to Artificial Intelligence	GPREC	09-10-2023 To 14-10-2023
8.	Sri. S.Vinay Kumar	ECS	GENAI and Metaverse	ATAL FDP	4-12-2023 TO 9-12-1023
			Deep Learning for NLP and Computer Vision	CBIT,Hyder abad	10-07-2023 To 28-07-2023
			Machine Learning and its Applications	GPREC	10-07-2023 To 14-07-2023
			Data Analyst	Andhra Pradesh State Skill Development Corporation (APSSDC)	19-7-2023 To 23-07-2023
9.	Sri. V. Suresh	ECS	Solar Energy and IoT	Dept. of CS,Govt Degree College	20-07-2023
			How to Build Powerful apps using Low code and Nocode Platforms	CloudThat	26-07-2023

			Future of Technology Entrepreneurship in India	Turnip Innovations	12-08-2023
			Deep Learning for NLP and Computer Vision	CBIT,Hyder abad	10-07-2023 To 28-07-2023
10.	Ms. O. Roopa Devi	ECS	Machine Learning Algorithms and its Applications	GPREC	10-07-2023 TO 14-07-2023
			Deep Learning for NLP and Computer Vision	CBIT,Hyder abad	10-07-2023 To 28-07-2023
11.	Smt. O. Sirisha	ECS	Emerging Trends in Data Analytics	R.G.M. College of Engineering in collaboration with FD Cell, JNTUA	11-12-2023 TO 15-12-2023
			Machine Learning and its Applications	GPREC	10-07-2023 To 14-07-2023
12.	Smt. S. Shashikala	ECS	Machine Learning and its Applications	GPREC	10-07-2023 To 14-07-2023
			“Statistical and Probability Insights for Data Science:Applications and Usecases”	Vardhaman College of Engineering ,Hyderabad	06-11-2023 To 10-11-2023
			Introduction to Artificial Intelligence	GPREC	09-10-2023 To 14-10-2023
13.	Smt. G. Alekhya	ECS	Machine Learning and its Applications	GPREC	09-10-2023 To 14-10-2023
			Data Analyst	APSSDC	19-06-2023 To 23-06-2023
			Introduction to Artificial Intelligence	GPREC	09-10-2023 To 14-10-2023
14.	Dr. K. Ashfaq Ahmed	ECS	Structural Health Monitoring using IOT	GPREC	01-09-2023 To 02-09-2023
			Machine Learning and its Applications	GPREC	09-10-2023 To 14-10-2023
			Cloud Infrastructure (AWS)	Brain O Vision	21-08-2023 To 25-08-2023
			Introduction to Artificial Intelligence	GPREC	09-10-2023 To 14-10-2023
15.	Smt. B.Varalaksmi	ECS	Emerging Trends in Data Analytics	R.G.M. College of Engineering in collaboration with FD	11-12-2023 TO 15-12-2023

				Cell, JNTUA	
			"Basics of ML"	Great Learning	17-08-2023
			"Teaching with AI : Using ChatGPT"	SCROLLW ELL	17-08-2023
			"IoT"	Pantech e- Learning from	12-07-2023
			Chat GPT & Generative AI	ExcELR	
			Machine Learning and its Applications	GPREC	09-10-2023 To 14-10-2023
			Introduction to Artificial Intelligence	GPREC	09-10-2023 To 14-10-2023
			"Statistical and Probability Insights for Data Science:Applications and Usecases"	Vardhaman College of Engineering ,Hyderabad	06-11-2023 To 10-11-2023
16.	Smt.T.Chandana	ECS	Machine Learning Algorithms and its Applications	GPREC	09-10-2023 To 14-10-2023
17.	Smt. S. Shabana Begum	ECS	Master Class on Machine Learning	Pantech e Learning	01-09-2023 To 30-09-23
			Master Class on Amazon Web Services	Pantech e Learning	11-10-2023 To 31-10-23
			Machine Learning Algorithms and its Applications	GPREC	09-10-2023 To 14-10-2023
			Introduction to Artificial Intelligence	GPREC	09-10-2023 To 14-10-2023
18.	Sri. M. Mahesh Kumar	ECS	Introduction to Deep Learning	Great Learning	15-09-2023 To 23-09-2023
			Smart English Basics for Professionals	Great Learning	03-09-2023 To
			"Statistical and Probability Insights for Data Science:Applications and Usecases"	Vardhaman College of Engineering ,Hyderabad	06-11-2023 To 10-11-2023
			Introduction to Artificial Intelligence	GPREC	09-10-2023 To 14-10-2023
			"Research Methodology & IPR"	IIIT Ranchi	09-09-2023 To 13-09-2023
			Deep Learning	NITTTR Chandigarh	11-09-2023 To 15-09-2023
			"Structural Health Monitoring using IoT"	GPREC	01-09-2023 To 02-09-2023

			Cloud Infrastructure and AWS Technologies	GPREC	21-08-2023 To 25-08-2023
			NLP and ChatGPT APPLICATIONS	SECAB Institute of Engineering & Technology	14-08-2023 To 19-08-2023
			Deep Learning for NLP and Computer Vision	CBIT,Hyder abad	10-07-2023 To 28-07-2023
			Machine Learning Algorithms and its Applications	GPREC	10-07-2023 To 14-07-2023
19.	Ms. V. Jemima Jyothi	ECS	NLP and ChatGPT APPLICATIONS	SECAB Institute of Engineering & Technology	14-08-2023 To 19-08-2023
			Deep Learning for NLP and Computer Vision	CBIT,Hyder abad	10-07-2023 To 28-07-2023
			Machine Learning Algorithms and its Applications	GPREC	10-07-2023 To 14-07-2023
20.	Sri.P.Suresh Babu	ECS	URL Phishing Attack Detection	SRM(Rama puram)	25-08-2023
			PALS Build-a-thon on Cyber security by IBM	SRM	31-07-2023 To 04-08-2023
			Deep Learning for NLP and Computer Vision	CBIT,Hyder abad	10-07-2023 To 28-07-2023
			Machine Learning Algorithms and its Applications	GPREC	10-07-2023 To 14-07-2023
21.	Sri. Syed Mohammed Nadeem	ECS	"Research Methodology & IPR"	IIIT Ranchi	09-09-2023 To 13-09-2023
22.	Smt.M.Manasa	ECS	Introduction to Machine Learning	NPTEL-AICTE	24-07-2023 TO 15-09-2023
			AI/ML and Data Science for industry 4.0 (Basic Level)	NITTTR, Chandigarh	21-08-2023 To 25-08-2023
			DeepLearning	NITTTR, Chandigarh	11/09/2023 To 15/09/2023
			Inculcating Universal Human Values in Technical Education	AICTE	11/10/2023 To 15/09/2024
			Introduction to Artificial Intelligence	GPREC	09-10-2023 To 14-10-2023

3. Guest Lectures arranged:

1.Department of ECS has conducted a guest lecture for industrial orientation on Business Strategy from November 11th 2023 To January 11th 2023 by Sri R S.Chalapathi ,ceo of incubation center ,Gprec.

2. Department of ECS has conducted a guest lecture on “Academic interface programme”, on 18th November 2023, by Sri Richard king chatragadda, regional head, TCS.

3.

Awards and appreciation received by faculty:

1. Dr.R.Praveen sam, professor and HOD of ECS department have attended as **Jury Member/JUDGE** for a programe called "**TECHNOBRAIN - 2K23**", held by St.John’s College of Engineering & Technology ,SJCTET, on November 25th 2023.

2. Dr. R. Praveen Sam, Professor & HOD of ECS Department, G Pulla Reddy Engineering College was awarded with “University Best Teacher Award- 2023” by JNTUA in Engineering Category which was conducted at Ananthapuramu on 13 th December 2023.

Papers Presented/Achievements:

Publications in International Journals

S.No	Authors	Department	Paper Title	Published in / Issue No / Vol.No/ Year/Month/ Pages
1	Dr R Praveen Sam	ECS	Sureness calamity salvage framework with inventive bandwidth scheme for data storage in cloud computing	82:17567–17598 SCI-E
2	Dr. K. Govardhan Reddy	ECS	Energy-aware mobile sink visiting nodes selection using a mean-shift clustering strategy for data accumulation in WSNs	1018-4864/1572-9451 SCI-E IMPACT FACTOR: 2.5 H INDEX: 59

Publications in National Journals

1.	S. Shabana Begum	ECS	Cyber Security And Risk Management Safeguarding Organizations In The Digital Age	“Journal Of Advanced Zoology” Volume No. 44 Issue 2 Pp:5269:5278 Issn:0253-7214
----	------------------	-----	--	---

Publications in International Conferences

<u>1</u>	S Vinay Kumar , V Suresh,G K Naga Raju	ECS	A Survey on Bigdata Analytics through Deeplearning in telecommunications	Nov 11th 2023 & Nov 12 th 2023
<u>2.</u>	B.Varalakshmi	ECS	Quantification of Congestion and Level of Service Determination for Urban Road Infrastructure	Sep 12th 2023 & Sep 13 th 2023
			Advancements in Machine Learning Algorithms for Predictive Analytics	Nov 11th 2023 & Nov 12 th 2023

5. Ph.D's awarded:

S.No	Names of Faculty	Department	Title of Thesis	University	Date of Award of the Degree
1		ECS	Brain Disease Classification using Deep Learning	J S University, Shikohabad	23/11/2023

6. New faculty Recruited:

S.No	Names of Faculty	Department	Designation	Qualification	Photo
1	Mr. Syed Mohammed Nadeem	ECS	Assistant Professor	M.Tech	
2	Smt. M. Manasa	ECS	Assistant Professor	M.Tech	
3	Smt. B.Kiranmayee	ECS	Assistant Professor	M.Tech	
4	G K NAGARAJU	ECS	Assistant Professor	M.Tech	
5	D.Sai Brunda	ECS	Assistant Professor	M.Tech	

6	Mr. Y Shiva kumar	ECS	Assistant Professor	M.Tech	
---	-------------------	-----	---------------------	--------	---

7. Up gradation of Lab Equipment: (give details along with photographs)

S.No.	Machine Configuration	No of Work Machines
1	Lenovo Neo 50s Gen 3 Desktop (ThinkCentre) - Type 11SY Processor : 12th Generation Intel® Core™ i5-12400 Processor(Core™ i5-12400) Memory : 16 GB DDR4-3200 Operating System : Windows 11 Home 64 Hard Drive : 512GB SSD Machine Model : 11SYS0SV00 With UB Keyboard & Mouse, 19.5” LED Monitor(ThinkVision)	80
2	Delta UPS HPS Series, 20 kVA	1

Image of lab 3:

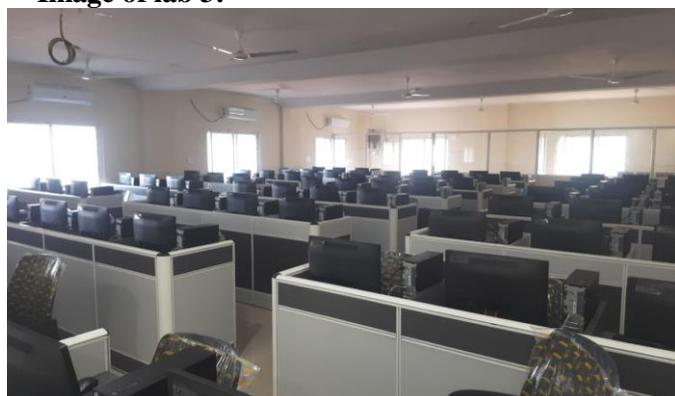
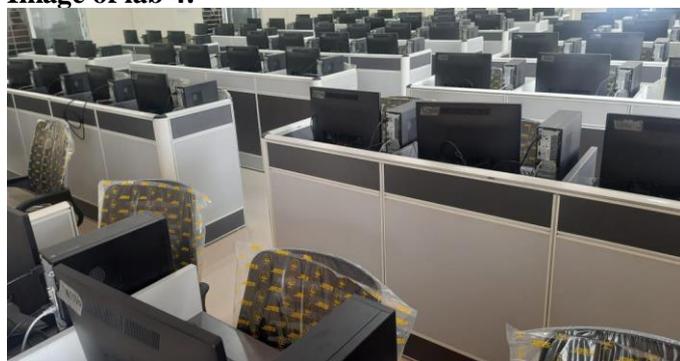


Image of lab 4:



Lab description:Total 160(80 in lab 3)+(80 in lab 4) computers were installed in both lab 3 and lab 4 with same configuration.

Inauguration Ceremony DeepMind's Innovation Lab(UAV Research Lab):

Sponsored by GPREC Alumni-1987-91
(December 23, 2023)

Key Highlights:

1. Event Overview:

□ The Principal of GPREC along with Training and Placement Head, HOD ECS, Eminent guests including three members from 1987-91 batch namely Mr. Srinivas Adiki, Mr. Venkata Ramana, Mr. Sateesh, amplifying the significance of this collaborative effort between GPREC alumni and GPREC.



□ The inauguration, held on December 23, 2023, radiated an atmosphere of innovation and collaboration as Mr. Srinivas Adiki, a distinguished GPREC alumnus, ceremoniously cut the ribbon, signifying the launch of the Deepminds Innovation Lab(UAV Research Lab).
□ The ribbon-cutting ceremony, a symbolic gesture by Mr. Srinivas Adiki, marked a significant milestone in our commitment to pioneering research in unmanned aerial vehicles (UAVs).

2. Alumni Sponsorship and Support:

□ The pivotal role played by the GPREC alumni in sponsoring and supporting the **establishment** of the UAV Research Lab highlights the enduring synergy between academia and industry in advancing UAV.



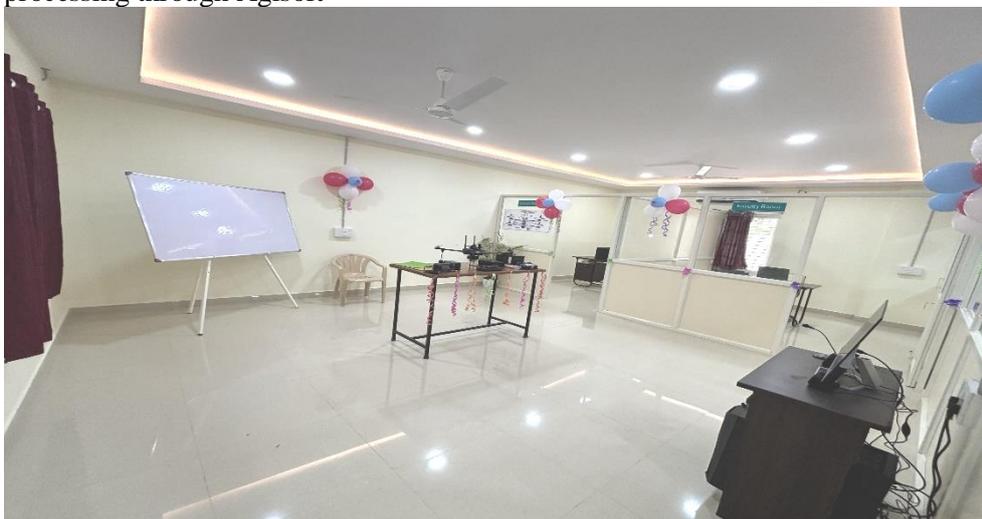
HONOR DONOR LEVEL (\$5000)
CHANDRA GUNDLAPALLI 1987- 91 ECE

BENEFACTOR LEVEL (\$10,000)
SATISH MANDUVA 1987- 91 ECE
VENKAT AMIRISETTY 1987- 91 ECE
ANIL PATIBANDLA 1987- 91 CIVIL
MAHESWARA REDDY KASA 1987- 91 CIVIL
GIRIDHAR MASIREDDY 1987- 91 ECE

OTHER DONORS & CONTRIBUTORS
SREENIVAS ADIKI 1987- 91 ECE
PADMANABHA RAO 1987- 91 ECE
KRISHNA AMULURU 1987- 91 ECE
SURESH PODARALLA 1987- 91 CIVIL
SANJAY PAGIDIMARRI 1987- 91 ECE
DAMODAR AKULA 1987- 91 MECH
SUDHAKAR MOKSHAGUNDAM 1987- 91 ECE
RAMRAJ KASAMSETTY 1987- 91 CIVIL

3. Lab Infrastructure and Specialized Facilities:

- The UAV Research Lab features cutting-edge infrastructure, housing advanced equipment, simulation environments.
- A WhiteHawk Basic with 20 MP Payload with maximum altitude of 120 meters and speed of 8 m/sec.
- A Dell Latop with intel® Core™ i7-13650HX 2.60 GHz ,6GB RAM,4GB graphic card for outdoor assistance of Drone.
- A laptop with Intel® Core™ i5-11400F, 16GB RAM,4GB graphic for indoor drone image processing through Agisoft



UAV Research Lab



WhiteHawk Basic with 20MP Payload

4. Research Focus and Collaborative Initiatives:

- The lab's core research thrust encompasses showcasing a commitment to unravelling diverse aspects of UAV technology fused with AI.
- Collaborative initiatives with industry partners, academic institutions, and pioneering startups are actively cultivated to create a fertile ground for groundbreaking UAV-related AI research.

5. Demonstration of WhiteHawk Drone:





□ Mr.P.Suresh Babu incharge of UAV Lab along with Mrs.B.Varalakshmi have demonstrated the whitehawk basic Drone .



WhiteHawk Drone Shot:

The inauguration of DeepMind's UAV Research Lab, made possible by the generous sponsorship of GPREC alumni, signifies a groundbreaking milestone in UAV technology. The success of this event, coupled with the enthusiastic response from attendees and collaborators, reaffirms our joint commitment to pushing the frontiers of technological innovation.

1. Student Achievements: 1. M.pavitra of III year CSM was felicitated by the Department of Youth Services, Nehru yuva Kendra sangathan (NYKS) for having many achievements in various activities from last youth day.

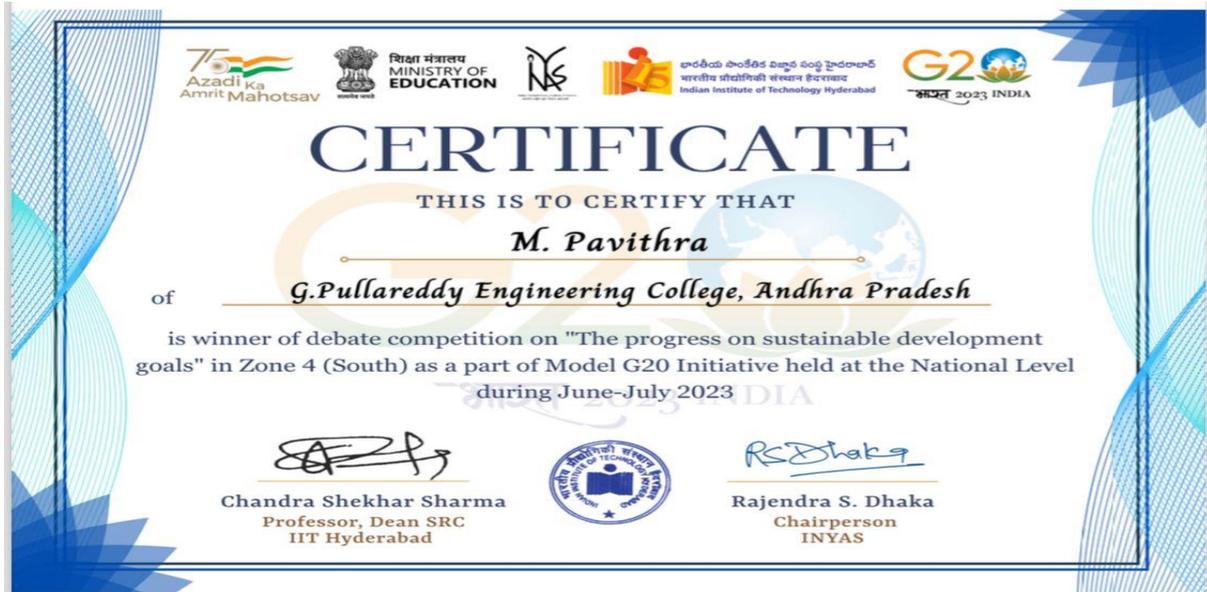


2. M. Pavitra, of III CSM has secured Second place in Dist. Level Elocution Competition held in the occasion of “Minorities Welfare Day & National Education Day” on 11th November 2023, by the Govt. of India.

3. M. Pavitra, of IV Sem CSM G.Pulla Reddy engineering college is Winner of debate competition on “The progress on sustainable development goals” as part of Model G20 Initiative held at the National Level on July2023.

4. M. Pavitra, of IV Sem CSM G.Pulla Reddy engineering college is secured Third place in Poster presentation contest competition as part of World space week-2023 on 6/10/2023.

5. N.Bhanu tejaswini, C.Keshava reddy, D.Bhavani , P.Varsha bala , of VIII Sem CSM G.Pulla Reddy engineering college is winners of IBM Hack Challenge 2023 on 13/10/2023



IBM SkillsBuild Hack Challenge 2023
Certificate of Participation

C Keshava Reddy D

Congratulations to you and your team on successfully completing Hack Challenge 2023.

Powered by  In collaboration with  **Mona Bharadwaj**
CSR Leader for Academia – India

IBM SkillsBuild Hack Challenge 2023
Certificate of Participation

Bhanu Tejaswini N

Congratulations to you and your team on successfully completing Hack Challenge 2023.

Powered by  In collaboration with  **Mona Bharadwaj**
CSR Leader for Academia – India

IBM SkillsBuild Hack Challenge 2023
Certificate of Participation

Bhavani Dhagudu

Congratulations to you and your team on successfully completing Hack Challenge 2023.

Powered by  In collaboration with  **Mona Bharadwaj**
CSR Leader for Academia – India

IBM SkillsBuild Hack Challenge 2023
Certificate of Participation

Varsha Bala P

Congratulations to you and your team on successfully completing Hack Challenge 2023.

Powered by  In collaboration with  **Mona Bharadwaj**
CSR Leader for Academia – India