GEETHANJALI COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

in association with

IEEE Robotics and Automation Society (IEEE RAS) GCET

REPORT ON

"TECHEXPO'22 – National Level Project Exhibition"

held on 29th April, 2022

Department of ECE conducted a National level Project Exhibition ""TECHEXPO'22 " **in association with IEEE Robotics and Automation Society (IEEE RAS) GCET** on 29th April 2022, for all B.Tech Students in and around the twin cities.

Event Coordinators:

1. Dr. B. Leelaram Prakash , Professor of ECE Department.
2. Ms. S. Jyothirmaye, Associate Professor, ECE Department.

The projects developed by the students under Mini and Major Projects (both hardware and Software), are exhibited in the program. explored to the technological development of the models.

A total of 107 Students have participated in the competition.

Details of Venues allocated to exhibit the projects for the participants of TECHEXPO '22

Sl. No.	Lab Name	Room No.	Name of the faculty I/C	Major and Mini Project			
				H/W	Buffer	S/W	Buffer
1	MPMC LAB (MAJOR+ MINI)SW	101	Ms.G.SreeLAkshmi, A R L Padmaja, J.Anjaneyulu	-	-	13	-
2	MPMC(d) LAB (MAJOR)SW	102	Dr.R V Durga D Vivekananda, K.Sreenivasulu	-	-	9	6
3	EDC LAB (MAJOR+MINI)HW	105	Dr.S.Saritha AVSV Prasad,J.Sunitha	13	-	-	-
4	ICA& HDL LAB (MAJOR)HW	114	Dr.R.Santosh K.Chalapathi Rao, M.Chathar Singh	10	5	-	-

5	DD LAB (MINI) HW	117	J.Mrudula M.Vasanthi, J G Shiva Prasad	8	5	-	-

Section wise TechExpo'22 Volunteers Details

ECE-4A

Name: Sree Harsha V
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ECE-4B

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ECE-4C
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ECE-4D

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ECE-4E

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Mr.G.K.Raghu Prasad,CEO, Datalog Controls & Solution (P), Ltd., Cherlapalli and Mr. G. Mallikarjuna Rao, Professor, GRIET, Kukatpally along with the Dr. S.Suryanarayana, HoD ECE department, Prof. B.Hari Kumar , Dean School of Electrical & Communication Engineering , Prof. O V P R Siva Kumar, Ms. S.Jyothirmaye - Student Branch Counselor and Dr.B.L.Prakash the coordinator of the event joined the inaugural of the project exhibit.





The judgement started at 10:00 AM as two teams.

Team 1- comprising of Mr. G.K.Raghu Prasad and Prof. O V P R Siva Kumar
Team 2 – comprising of Mr. G. Mallikarjuna Rao and Dr.B.L.Prakash.










TOMATED FOOD SERVING ROBOT



TECHEXPO '22					
Software Project Winner Teams					
S.No.	**Roll Number**	**Name**	**Title of the Project**	**Prize**	**Amount**
1	18R11A0496	Y.Sri Vatsa	IoT Social Distance Monitoring Robot Using Rasberry Pi	I	3000/-
2	18R11A04N6	Manthri Karthik	Air Canvas using OpenCV and Python	II	2500/-
	18R11A04P1	P.Sri Harsha			
3	19R11A04N1	M.Kalyan	Documan	III	2000/-
4	19R11A05C9	P.Badrinath Reddy	Exam Branch OMR Sheet Scanner	IV	1500/-
	19R11A05B5	L.Vinay Reddy			
	19R11A05D7	S.Rahul Pasha			
5	18R11A04C9	S Sai Pranay	Object detection and Conversion of name to Speech	V	1000/-
	18R11A04D9	Sree ramula Pradeep			
Hardware Project Winner Teams					
S.No.	**Roll Number**	**Name**	**Title of the Project**	**Prize**	**Amount**
1	19R11A04438	Sujit Rayaprolu	8-bit CPU	I	3000/-
	19R11A04426	M.Harsha Vardhan			
	19R11A05F5	D.Harshith Varma			
2	18R11A0428	K.Tejaswi	A Prototype whell chair controlled through voice and gesture Commands	II	2500/-
	19R15A0402	A.Jayanth			
	18R11A0437	P.Sudha Manasa			
3	18R11A0436	Polakam Vinod Kumar	Automated Food Serving Robot	III	2000/-
	18R11A0429	Kondamgari Sai Sreeram			
	18R11A0401	Amadhapaku Raju			
4	20R11A0481	I.Lakshmi Shreya	Finger Print Authentication Voting Machine	IV	1500/-
	20R11A0482	J.Manish			
5	18R11A0408	C.V.G.Prasad Varma	Voice Assistive Smart Walking Stick for Visually Challenged Persons	V	1000/-
	18R11A0409	Ch.Sushma			
	18R11A0447	Y.Fayazuddin			
	Total				**20,000/-**

















At the end of the exhibit, HoD ECE department, Prof. O V P R Siva Kumar presented a momento as a token of gratitude to the judges.



Event Coordinator

Dr. B. Leelaram Prakash
Ms. S. Jyothirmaye

HoD-ECE

Dr.S.Suryanarayana

Enclosures:

- ANNEXURE-I: Approval Letter from College to conduct the Project Exhibition
- ANNEXURE-II : Invitation Letter
- ANNEXURE-III: Participation and Appreciation Certificates Template

ANNEXURE-I

Approval Letter from College to conduct the Project Exhibition

Date: 15/03/2022

To

The Principal,
Geethanjali College of Engineering & Technology,
Cheeryal (v), Keesara (M), Medchal (Dist.).
Respected Sir,

Sub: **Request for permission to conduct a National level project exhibition TECHEXPO -22** - Reg.

The department of ECE has been conducting **"TECHEXPO"**, a hardware exhibition with the models/projects prepared by the students for their Mini and Major projects. There has been a good response from the students towards participation during the previous years. For this year, we would like to conduct the **TECHEXPO-22** on **29th April, 2022** as a National level event in association with **IEEE Robotics and Automation Society (IEEE RAS) SB Chapter**. We would like to work as a team with the help of senior professors and the project coordinators of various sections of the department. Also we have planned to collect an **amount of Rs: 300/- per team towards registration fee**. The best projects would be awarded with cash prizes separately for mini and major projects as an encouragement.

The budget proposed for the same is as given below:

S.No	Item	Quantity required	Approximate budget Amount proposed (in Rs)
1	Banners	3 in number	1500/-
2	Honorarium for judge	2 judges	10000/-
3	Transport for judge	To be planned	3000/-
4	Participation /Appreciation Certificates	300 in number	5000/-
5	Prizes for best projects(Mini and Major for both hardware and software) @Rs:2500/- for 1st ,Rs:1500/- for 2nd and two consolation prizes of amount Rs: 1000/-		20000/-
6	**Food and snacks:** Working lunch for judge and professors Snacks for students, supporting faculty and staff	15 in no. 330 in no. * 30/-	1500/- 9,900/-
7	Charts and stationary		5000/-
8	Miscellaneous		3100/-
	Total		Rs:59,000/-

Proposed amount= Rs. 59,000/-
Amount expected towards registrations = Rs. 25,000/-

Hence, we request you to permit us to conduct the same.

Forwarded for kind approval
16/3/22.
HoD-ECE

PRINCIPAL
Geethanjali College of Engineering and Technology
(Autonomous)
Cheeryal (V), Keesara (M), Medchal Dist. (TS) - 501 301

Thanking you,
Yours sincerely,

Dr. B. Leelaram Prakash, Professor, Dept. of ECE
S. Jyothirmaye, IEEE SB GCET Counselor

Submitted to Secretary for approval.
16/03/22

ANNEXURE-II
Invitation Letter



Invitation

Respected Mr.G.Mallikarjuna Rao sir,

Geethanjali College of Engineering and Technology is conducting its flagship event "Bhaswara 22" - a two-day technical fest on 28th and 29th April 2022. As a part of this technical fest, the department of ECE is organizing "TECHEXPO'22", a national level software/hardware project exhibition in association with IEEE GCET RAS SBC. The event will be held on 29th April 2022 from 09:00 am to 01:00 pm at our campus.
We the event team, on behalf of our HoD ECE, are cordially inviting you to join the project expo as a judge to evaluate the innovative projects and motivate the students.

Thank you
Sincerely,
Dr.B.Leelaram Praksah
Professor, ECE Department
Mrs.S.Jyothirmaye
Associate Professor, ECE Department

ANNEXURE-VI
Sample Participation and Appreciation Certificates



CERTIFICATE OF MERIT

This certificate is presented to

M. Kalyan

of ECE Department from Geethanjali College of Engineering and Technology for winning III Prize in "TECHEXPO'22" a National Level Hardware/Software Project Competition Organized by "Department of Electronics and Communication Engineering in Association with IEEE Robotics and Automation Society Student Branch Chapter Geethanjali College of Engineering and Technology" held on 29th April 2022.

Ms. S. Jyothirmaye, Coordinator
Dr.B. Leelaram Prakash, Coordinator
Dr. P. Srihari, Advisor, IEEE RAS SBC GCET
Dr. S. Suryanarayana, HOD-ECE
Prof. B. Hari Kumar, Dean- SE&CE
Dr. S. Udaya Kumar, Principal, GCET.



CERTIFICATE OF MERIT

This certificate is presented to

Manthri Karthik

of ECE Department from Geethanjali College of Engineering and Technology for winning II Prize in "TECHEXPO'22" a National Level Hardware/Software Project Competition Organized by "Department of Electronics and Communication Engineering in Association with IEEE Robotics and Automation Society Student Branch Chapter Geethanjali College of Engineering and Technology" held on 29th April 2022.

Ms. S. Jyothirmaye, Coordinator
Dr.B. Leelaram Prakash, Coordinator
Dr. P. Srihari, Advisor, IEEE RAS SBC GCET
Dr. S. Suryanarayana, HOD-ECE
Prof. B. Hari Kumar, Dean- SE&CE
Dr. S. Udaya Kumar, Principal, GCET.



CERTIFICATE OF MERIT

This certificate is presented to

P. Badrinath Reddy

of CSE Department from Geethanjali College of Engineering and Technology for winning IV Prize in "TECHEXPO'22" a National Level Hardware/Software Project Competition Organized by "Department of Electronics and Communication Engineering in Association with IEEE Robotics and Automation Society Student Branch Chapter Geethanjali College of Engineering and Technology" held on 29th April 2022.

Ms. S. Jyothirmaye
Coordinator

Dr.B. Leelaram Prakash
Coordinator

Dr. P. Srihari
Advisor, IEEE RAS SBC GCET

Dr. S. Suryanarayana
HOD-ECE

Prof. B. Hari Kumar
Dean- SE&CE

Dr. S. Udaya Kumar
Principal, GCET.

ANNEXTURE
Photo gallery







