



GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY

(UGC Autonomous)

Affiliated to Jawaharlal Nehru Technological University-Hyderabad

ANNUAL REPORT 2021-22



About Geethanjali

Geethanjali College of Engineering & Technology has been structured to take head on the changing trends of technology. The idea of setting up the college emerged when no other college could cater to the needs of a student in his/her endeavour to acquire wholesome education. The very strength of Geethanjali lies in its principles of providing the right learning environment for the student who does not have to compromise throughout the learning process of becoming global citizen.

The college recognizes that the rapidly changing technological landscape would require young technocrats with an understanding of evolving technologies, but also with a global perspective. A major goal of Geethanjali is to impart a uniquely broad and interdisciplinary Engineering education of the highest academic quality. This is achieved through an integrated curriculum that consists of a highly diverse set of technical courses, interdisciplinary research projects, day-to-day interaction with industry, and preparation in entrepreneurship and personality development courses.

At Geethanjali learning pushes all boundaries of conventional thought in pursuit of understanding science in relation to the society. Every concept a Geethanjali acquires carries the inbuilt awareness of how it can be applied to render human life better.

Over the years since it was established, there has been dynamic progress at Geethanjali in all academic and research activities, and a parallel improvement in facilities and infrastructure, to keep it on par with the best institutions in India. The campus epitomizes the Geethanjali motto, **“Striving towards perfection”** in providing the best of infrastructure and ambience. Geethanjali keeps a keen eye on the current trends and innovations happening in the industry and offers learning methods, which are designed to meet the evolving requirements of the industry.

Vision and Mission

Vision

- Geethanjali visualizes dissemination of knowledge and skills to students, who would eventually contribute to well-being of the people of the nation and global community.

Mission

- To impart adequate fundamental knowledge in all basic sciences and engineering, technical and Inter-personal skills to students.
- To bring out creativity in students that would promote innovation, research and entrepreneurship.
- To Preserve and promote cultural heritage, humanistic and spiritual values promoting peace and harmony in society.



Mr. G. R. Ravinder Reddy

Chairman

Chairman's message

The global economic order, the rapid rate of technological advancement, the information revolution, all have opened new series of challenges as well as opportunities. The ability to innovate and the capacity to adapt to latest technologies are going to be the forte in the new century. India's cherished vision to become super power can only be attained by its large high quality human power. The educational institutions especially those imparting technical education have to take the responsibility of developing and nurturing the world class engineers, technologists and managers.

A no-compromise approach has shaped Geethanjali into a finest centre of study for the students of Telangana. Spacious and well-ventilated class rooms that are embedded with audio-video facilities, round the clock high speed internet connectivity, well stocked library with national and international journals, state-of-the-art laboratories, vast sports out-field make Geethanjali a force to reckon with.

Geethanjali College of Engineering and Technology is poised to take up this responsibility of providing the student community with world-class technical education in a perfect academic ambience. At Geethanjali, we provide a holistic education that helps shape not just an individual but also a society.



Dr. Udaya Kumar Susarla

Principal

Message from Principal

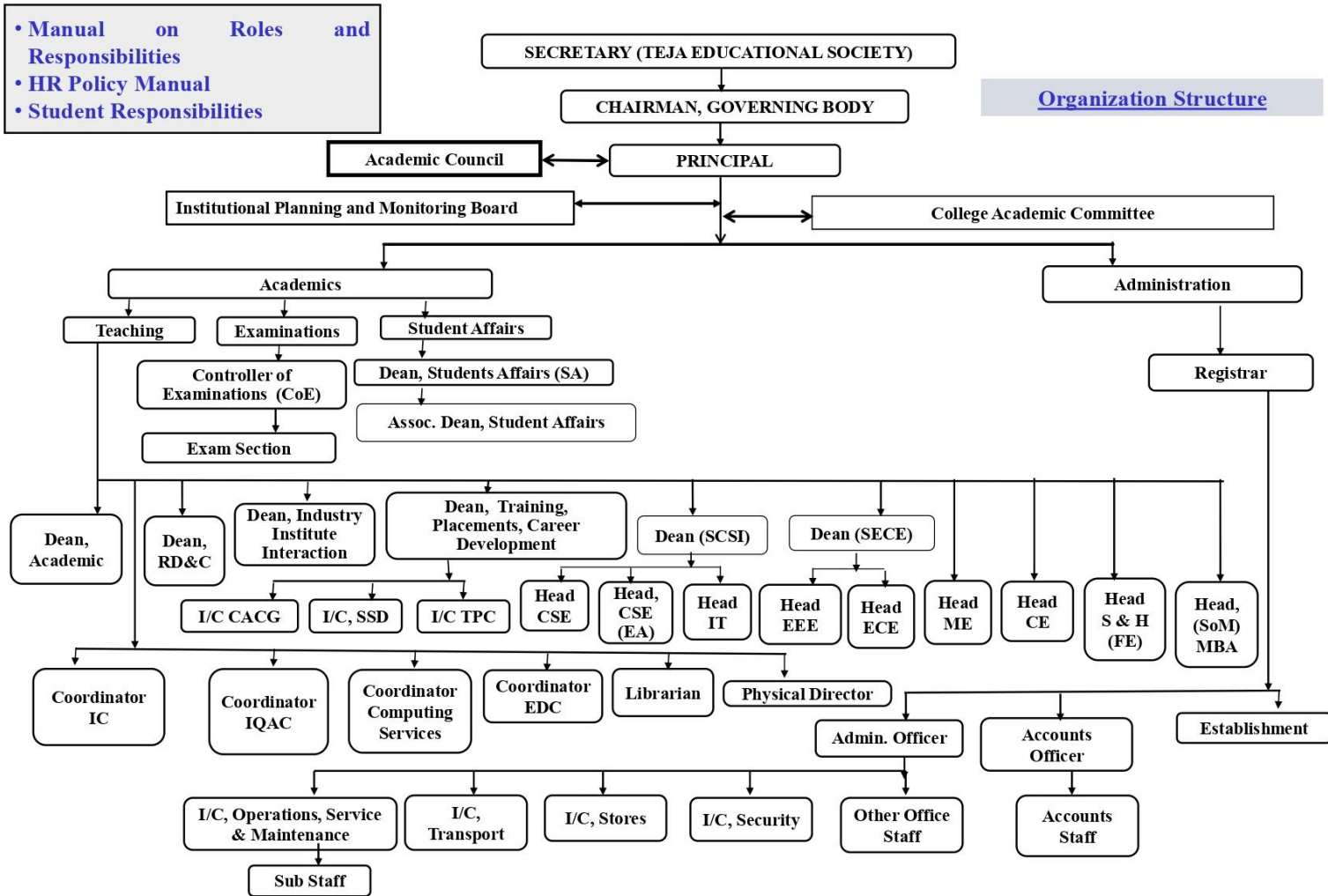
We love learning about all the amazing things being done in Geethanjali College of Engineering and Technology's (GCET's) community. Hardly a day passes that we do not hear about the outstanding achievements of our students, alumni, faculty or staff. *Annual Report* of 2021-22 collects many of these accomplishments from the past year, and reflects the hard work and dedication of all the people who are building GCET's future. Their drive and achievements energize the college as we continue to focus on priority areas such as students, faculty and staff campus life and learning, research and innovation, community engagement, our work culture, project and problem based learning etc.

We are implementing a collective vision that recognizes how the needs of our community are fast changing: just as our neighbourhood, our country and our world are changing. At the same time, we draw strength from knowing that our fundamental values have evolved over the last 17 years of the existence of the college and are well anchored in our community. We love learning and discovery as we believe both evolve continuously. We embrace challenge, and are committed to excellence. We explore new ways of looking at the world, and search for sustainable approaches to how we live and work. We took oath to act on our deep responsibility to use our knowledge to serve that world.

List of Governing Body Members (2021-22)

S. No	Name of the GB Member/ Qualification	Member designation	Parent organization
1	Mr. G.R. Ravinder Reddy B.Tech. (Civil Engineering) M.Tech. (Geotechnical Engineering)	Chairman	Geethanjali College of Engineering and Technology (GCET)
2	Dr. G. Sridevi, BDS	Member nominated by Society (TES)	Teja Educational Society
3	Mr. N. Sanjeeva Reddy	Member nominated by Society (TES)	Teja Educational Society
4	Ms. N. Ramana Devi	Member nominated by Society (TES)	Teja Educational Society
5	Ms. G. Madhumitha, B.Tech(ECE), MS	Member nominated by Society (TES)	Teja Educational Society
6	Dr. R.Prasanna Kumar	Faculty nominated by Principal	Geethanjali College of Engineering and Technology
7	Prof. K. Somasekhara Rao B.E (Electro. &Comm.) M. Tech. (Adv. Elect.)	Faculty nominated by Principal	Geethanjali College of Engineering and Technology
8	Dr. P. Vijai Bhaskar B.Tech. (ECE) M. Tech. (DS&CE) Ph.D (ECE)	Faculty nominated by Principal	Geethanjali College of Engineering and Technology
9	Mr. Vishwanath Ekbote	Director, Link well Tele Systems	Educationist / Industrialist
10	Mr. Seshu Kumar Gudepu	General Manager, WIPRO	Educationist / Industrialist
11	Mr. Kumar Mynampati	Associate Vice President, Infosys	Educationist / Industrialist
12	Prof. Shyam Sundar Patnaik	Director, NITTTR (MHRD, Govt. of India) Formerly Vice Chancellor, Biju Patnaik University of Technology, Odisha	UGC Nominee
13	Telangana State Government Nominee	-	-
14	Dr. M. Anji Reddy	Professor of Environmental Science & Tech, Centre for Environment, IST, JNTUH	JNTUH Nominee
15	Dr. S. Udaya Kumar B.E (ECE) ME (ECE) M.Tech. (Honours.) Information Engineering Ph.D (Computer Science)	Member Secretary Principal (Ex-officio)	Geethanjali College of Engineering and Technology

Organogram of Geethanjali College of Engineering and Technology



Awards and achievements of the college

1. NIRF Ranked in the band of 251-300 in 2021.
2. Obtained ARIIA ranking “Excellent” for Innovation achievements.
3. Obtained Star Rating (4.0) by Institution’s Innovation Council.
4. Accreditation by NBA for B. Tech CSE, ECE and IT July 2012.
5. Re-Accreditation for B. Tech CSE, ECE and Accreditation of B. Tech EEE by NBA in July 2015, Reaccreditation of all three programs in July 2018.
4. Accreditation of B. Tech ME in October 2018 and extended till June 2022.
5. Accreditation of B. Tech CE in October 2021 and valid up to July 2024.
6. Applied for Re-accreditation of B. Tech CSE, EEE, and ECE programs under Tier – I and reaccreditation of all three programs in October 2022.
7. Accredited by NAAC with “A+” Grade (3.27/ 4.0) in September 2022.
8. Renewal of Autonomous under UGC 2(f) and 12 (b) status is extended up to 2027.
9. Mentoring Institute Status by NAAC.
10. Permanent Affiliation to JNTUH, Hyderabad.
11. Sixty -Six (73) faculty members with PhD qualification.
12. Recognized as R & D Center (SIRO) by DSIR in 2011, extended till March 2023.
13. Recognized as R & D Center by JNTU-H in 2022.
14. Four research projects (DST (2), UGC (1), MTRDC (1)) executed.
15. Research project (sanctioned by DRDO) for 45.81 Lakhs, under execution.
16. Six Research Projects under TEQIP – III in association with JNTUH, Hyderabad executed.
17. NBA Training Center under Osmania University Nodal Center.
18. Engineering Educators of the year award jointly by Bradford University, UK and Education Matters
19. IBM, Virtusa, VLSI and IOT Centers of Excellence.
20. Ranked as “Top Engineering Colleges of Excellence” in India by Competition Success Review (CSR) Rankings, 2022.
21. Participated in GHRDC Survey and obtained 12th Best Engineering College rank in the state of Telangana in 2022.
22. Institution Innovation Council Awards by MHRD.

23. Centre for Advancement of Career and Human Excellence (CACHE) Department for students' overall development.
24. Tech Mahindra's Adoption of the College through its Campus Connect Program.
25. Solution Provider for Zenopsys, Bangalore.
26. MoU with Wipro Talent Next.
27. MoU with CSIR-Indian Institute of Chemical Technology (CSIR-IICT).
28. MoU with University of Illinois, Spring Field.
29. MoU with Oracle Academy.
30. MoU with IBM.
31. MoU with Redpine Signals.
32. Some more MoUs with other organizations.

Programs offered

S. No	Name of the Program	Program Code	Year of Est.	Accreditation Status			
				NBA		NAAC	
				From	To	From	To
1	B. Tech-CE	A01	2014	2021-22 2024	30-06- 2024	21-09- 2022	20-09- 2027
2	B. Tech-EEE	A02	2006	2022-23	30-06- 2025	-do-	-do-
3	B. Tech-ME	A03	2011	-	-	-do-	-do-
4	B. Tech-ECE	A04	2005	2022-23	30-06- 2025	-do-	-do-
5	B. Tech-CSE	A05	2005	2022-23	30-06- 2025	-do-	-do-
6	B. Tech-IT	A12	2019	-	-	-do-	-do-
7	B. Tech-CSE(AIML)	A66	2020	-	-	-do-	-do-
8	B. Tech-CSE(DS)	A67	2020	-	-	-do-	-do-
9	B. Tech-CSE(CS)	A62	2020	-	-	-do-	-do-
10	B. Tech-CSE(IOT)	A69	2020	-	-	-do-	-do-
11	M. Tech (CSE)	D58	2011	-	-	-do-	-do-
12	MBA	E00	2006	-	-	-do-	-do-

FDPs organized by GCET

S No	Department	2021-22
1	CE	01
2	CSE	05
3	EEE	01
4	ECE	08
5	ME	01
6	Management Studies	06
7	Freshman Engineering (Sciences & Humanities)	02
8	IT	00
9	CSE(EA)	00
10	CSE(AIML)	00
Total		24

FDPs attended by our faculty

S No	Department	2021-22
1	CE	33
2	CSE	228
3	EEE	24
4	ECE	40
5	ME	54
6	IT	22
7	Management Studies	28
8	Freshman Engineering (Sciences & Humanities)	101
9	CSE(EA)	33
10	CSE(AIML)	00
Total		547

SDPs /Student Workshops/Technical Events/ Hackathons Organized

Department	2021-22
CE	01
CSE	05
EEE	00
ECE	05
IT	01
ME	03
Management Studies	06
Freshman Engineering (S & H)	04

CSE(EA)	00
CSE(AIML)	00
Total	25

Student Intake and Admitted

S. No.	Program	Sanctioned Intake	Total No. of Students Admitted			Vac.
			M	F	T	
1	B. Tech-CE	60	20	2	22	38
2	B. Tech-EEE	60	23	08	31	29
3	B. Tech-ME	60	16	0	16	44
4	B. Tech-ECE	240	179	78	257*	00
5	B. Tech-CSE	240	164	92	256*	00
6	B. Tech-IT	60	45	19	64*	00
7	B. Tech-CSE(AIML)	180	120	72	192*	00
8	B. Tech-CSE(DS)	60	42	23	65*	00
9	B. Tech-CSE(CS)	60	43	22	65*	00
10	B. Tech-CSE(IoT)	60	44	21	65*	00
11	M. Tech-CSE	18	0	0	00	18
12	MBA	60	23	21	44	16

*Including EWS quota

Students' strength in UG and PG (Year wise)

S. No	Name of the program	I Year	II Year	III Year	IV Year
1	CE	22	66	127	123
2	EEE	31	64	137	127
3	ME	16	62	116	130
4	ECE	256*	265	262	264
5	CSE	255*	263	265	261
6	IT	64*	66	65	-
7	I-B. Tech-CSE(AIML)	192*	66	-	-
8	I-B. Tech-CSE(DS)	65*	66	-	-
9	I-B. Tech-CSE(CS)	55	66	-	-
10	I-B. Tech-CSE(IoT)	65*	66	-	-
11	M. Tech-CSE	0	0	-	-
12	MBA	45	52	-	-

*Including EWS quota

Number of teaching staff (2021-22)

Dept	Faculty with designation			Total Faculty in the Dept	Number of faculty with PhD in the Dept	Faculty with experience of 10 years +
	Prof	Assoc. Prof	Asst. Prof			
CE	3	2	17	22	4	7
CSE	6	11	54	71	10	33
CSE (AIML)	2	6	10	18	3	11
CSE (DS)	1	3	7	11	2	7
CSE (CS)	-	1	8	9	-	3
CSE (IoT)	-	-	11	11	-	1
EEE	3	3	19	25	5	14
ECE	7	16	37	60	11	37
ME	3	3	19	25	4	17
IT	1	1	9	11	1	8
Freshman Engineering	8	18	25	51	28	39
M. Tech(CSE)	-	2	1	3	2	3
Management Studies	2	3	12	17	3	10
Total in all Departments	36	69	229	334	73	190

Faculty recruited and relieved in AY: 2021-22

S. No	Name of the Prog./ Dept.	No of faculty recruited	No of faculty relieved
1	CE	6	7
2	CSE	71	21
3	CSE (AIML)	3	1
4	CSE (DS)	1	1
5	CSE (CS)	1	1
6	CSE (IoT)	1	-
7	EEE	7	4
8	ECE	16	13
9	ME	10	9
10	IT	-	-
11	Freshman Engineering	22	12
12	M. Tech(CSE)	-	-
13	MBA	8	6
Total in all Departments		146	75

Number of non-teaching staff

Admin	Library	Technical	Drivers	Attenders	Aayas / Cleaners	Gardeners
51	9	40	41	26	31	15

Research and Development activities

(a) Research Publications

Department	No. of Publications
CSE	26
ECE	52
EEE	09
CE	01
ME	02
IT	05
Management Studies	06
FE	54
Total	155

(b) **Sponsored Research Projects Carried Out including TEQIP (Collaborative)**

Name of the PI/ Co-PI	Department of the Principal Investigator / Co-Investigator	Name of the Funding Agency	Type	Funds provided (INR in lakhs)	Month and Year of receiving the grant	Duration of the Project	Project title and Ref No.
PI: Udaya Kumar Susarla, Co-PI: OVPR Siva Kumar	ECE Department	DRDO	Government	Rs. 45.81 Lakh	20-07-2018	3.5 Years	Development of Novel Carbon Nanotube/Polymer Nano composite Materials for EMI Applications Ref.no. EIRP/ER/1504754/M/01/1719
Dr. Anil Kumar Puppala	EEE Department	JNTUH	Government	Rs.2.50 Lakh	22-Jul-19	1 year	Introducing pulsatile flow through BLDC motor control for ventricular assist devices Ref.no. JNTUH/TEQIP-III/CRS/2019/EEE/05
Dr M A Bharathi	EEE Department	JNTUH	Government	Rs.2.70 Lakh	22-Jul-19	1 year	Deep learning based smart assisting for blind people Ref.no. JNTUH/TEQIP-III/CRS/2019/EEE/07
Dr P Sudhakar (CO-PI)	EEE Department	JNTUH	Government	Rs. 2.99 Lakh	22-Jul-19	1 year	Speech Enabled IVR based On Line Market for Farmer Ref.no. JNTUH/TEQIP-III/CRS/2019/ECE/07

Name of the PI/Co-PI	Department of the Principal Investigator /Co-Investigator	Name of the Funding Agency	Type	Funds provided (INR in lakhs)	Month and Year of receiving the grant	Duration of the Project	Project title and Ref No.
Dr K Shashikala	FE Department	JNTUH	Government	Rs. 2.50 Lakh	25-Sep-19	1 year	Synthesis and anticancer activity of novel quinoxaline-2-carbohydrazide n-oxide derivatives Ref.no. JNTUH/TEQIP-III/CRS/2019/Chemistry/04
Dr N. Subhadra	FE Department	JNTUH	Government	Rs. 2 Lakh	25-Sep-19	1 year	Peristaltic Transport of Nano fluids Ref.no. JNTUH/TEQIP-III/CRS/2019/Mathematics/04
Dr. Ch. Ramesh Babu	CSE Department	JNTUH	Government	Rs. 2.95 Lakh	22-Jul-19	1 year	Machine Learning Approach for Plant Disease Identification using Leaf Images Ref.no. JNTUH/TEQIP-III/CRS/2019/CSE/07

(c) Consultancy Carried out

Name of the Staff member	Dept.	Name of the Funding Agency	Type (Government/ Non-Government)	Funds provided (INR in lakhs)	Month and Year of receiving the grant	Duration of the Project	Project title and Ref No.
Dr. R. S. Raju	ECE	VEM Technologies Pvt. Ltd.	Non-Government	Rs.10,000/ visit	Apr-19 onwards	2 years	Development of specific microwave tube for defence application
Dr.P.Sudhakar	ECE	Digantara Research and Technologies Pvt. Ltd.	Non-Government	4.00	May-2021	1-Year	Electro-Optics consultant

(d) No. of faculty acting as PhD guides.

Name of full-time teachers with PhD	Qualification / and Year of obtaining PhD	Whether recognised as a research guide for PhD?	Year of recognition as a Research Guide	Is the teacher still serving the institution? If not, when did he/she leave the institution?	Name of the scholar	Month and Year of registration of the scholar	PhD Scholar's Title of the Thesis
Dr.S.Udaya Kumar	Ph.D-2006	Yes	2007	Yes, Working as Principal	Mr. K. Ravindra Babu	04-08-2008	A New Framework for Scalable Secure Block Cipher Using Colour substitution and Permutation on Character Image Diagram
					Ms. V. Aruna	04-08-2008	Advanced Hill Ciphers using Involutory Matrix
					Ms. G.Lokeswari	12-07-2009	Some Block Ciphers in Cryptography involving Interlacing Decomposition, Module Multiplication and its inverse
					Ms. N. Swapna	16-11-2012	Combining Visual Cryptography and Elliptical curve cryptography for robust encryption
Dr. P. Srihari	Ph.D-2007	Yes	2012	Yes	Ms. K. Radha	2012	Spectrum sensing for cognitive radio in multiusers environment
					Ms.K. Deepthi	2012	Investigation using Fuzzy logic control to track max power point for solar photo voltaire cell
					Mr.K. Jamal	2013	Implementation of built in self test using low power test pattern generators in test per clock
					N. Shribala	2013	Investigations on performance of cognitive radio
Dr. B. L. Prakash	PHD-2017	Yes	2017	Yes	Mr. Praveen Kittu	Apr-17	Fractal Antennas
					Mrs.Ch. Kranthi Rekha	Apr-17	Bio-Medical Image Processing
Dr. N. Ravi Shankar	Ph.D-2012	Yes	2012	Yes	PadmaJoshi	2013	Information Security

Dr. B. V. Swathi	Ph.D-2010	Yes	2012	Yes	G.Praveen Kumar	2012	Data Mining
Dr. K. Kamakshaiah	Ph.D2018	Yes	2021	Yes	A.Harini Krishna	2021	Machine Learning

(e) Book chapters published

Sl. No.	Name of the Teacher	Title of the Book published	Title of the Chapter published	National / International	Year and month of publication	ISBN of the Book/Conference Proceeding	Affiliating Institute of the teacher at the time of publication	Name of the Publisher
1	G.Sreelakshmi	-	Towards Area-Delay Efficient Reverse Conversion of Higher-Radix Signed-Digit Number Systems		Jun-22	-	-	Springer
2	Dr. P. Srihari	Random Variables in Machine Learning	-	-	Nov-21	-	-	CRC Press, Taylor-Francis
3	Dr. P. Srihari	Weight based Codes-A Binary Error Control Coding Scheme- A Machine Learning Approach	-	-	Nov-21	-	-	CRC Press, Taylor-Francis
4	Dr. S. Vallisree	Performance	-	-	Sep-21	-	-	Springer

		Analysis of HIT-CZTS Tandem Solar Cell Towards Minimizing Current Losses						
5	Dr J.V. Madhuri	New Visions in Biological Science,	6: Bioactivity of Anethum graveolens- An in-silico approach	-	Jan-2022	Print ISBN: 978-93-5547-409-4	-	Notion Publishers BP International
6	Dr.K.Shashikala	Strategies in Synthesis of N-Heterocyclic compounds.	-	-	Jan-2022	ISBN: 979-8885305372	-	Notion Publishers

Infrastructure augmentation in 2021-22

Facilities	Existing up to 2020-21	Added in 2021-22
Campus Area	12 Acres	3 Acres
Class Rooms	67	3
Laboratories	86	4
Seminar Halls	3	0
Class Rooms with LCD facilities	48	8
Seminar Halls with ICT facilities	3	0
Value of the equipment purchased during 2020-21 (Rs. In Lakhs)	1824.97	243.46
Others (Elevators)	3	1

Major Books/Journals added in Library

Library service type	Existing		Newly added in 2021-22		Total	
	No.	Cost	No.	Cost	No.	Cost
Text Books	38,338	1,11,90,659	-	-	38,338	1,11,90,659
E- Books	9,414	3,35,280	1050	57870	10,464	393150
Journals	1,630	45,03,306	208	602283	1838	5105589
E- Journals	24,562	1,08,16,823	12740	816476	37302	11633299

Student's results-outgoing batch-2022(Final Semester)

Programme Code	Programme Name	Number of students who appeared in the final year examinations	Number of students who passed in the final year examinations	Pass Percentage (%)
A01	B. Tech-CE	123	118	95.93
A02	B. Tech-EEE	127	100	78.74
A03	B. Tech-ME	130	122	93.84
A04	B. Tech-ECE	261	242	92.72
A05	B. Tech-CSE	260	246	94.61
E00	MBA	50	46	92

Student internships (Details of students undertaking field work/ projects/ internships/ student projects)

Programme Name	Programme Code	List of students undertaking field projects / internships /student projects
B. Tech- CE	A01	171
B. Tech- EEE	A02	211
B. Tech- ME	A03	318
B. Tech- ECE	A04	784
B. Tech- CSE	A05	779
B. Tech- IT	A12	65
MBA	E00	52

Summary of Placement details (Number of outgoing students who got placement offers during the year)

Placement Details summary for the AY 2021-22			
S. No	Department	No. of placements with multiple offers	Remarks
1	CE	76	38
2	CSE	595	223
3	ECE	496	221
4	EEE	159	99
5	ME	162	79
6	MBA	18	18
Total		1506	678

Highest salary package: Rs.10 LPA

Lowest salary package: Rs. 1.80 LPA

No. of students going for higher education

S. No.	Name of the Department	No of students gone for Higher Education
1	CE	02
2	EEE	02
3	MBA	02
4	ME	13
5	ECE	28
6	CSE	24

NSS Activities held in 2021-22 and students' involvement

Name of the Activity	Organising Unit/ Agency/ Collaborating Agency	Name of the Scheme	Month and Year of the activity	Number of students who participated in such activities
Haritha Haram-2021	GCET-NSS	NSS	Sep-2021	34
Covid-19 Vaccination drive in association with Keesara PHC	GCET-NSS	NSS	Oct-2021 Dec-2021	107
Swach Bharat and awareness program on COVID-19(in view of the latest Omicron Variant)	GCET-NSS	NSS	Dec-2021	22
75 Crore Surya Namaskar Practice Session	GCET-NSS	NSS	Jan-2022	60
Village survey Programme under Unnat Bharath Abhiyan (UBA)	GCET-NSS	NSS	Feb-2022	20
Traffic awareness Programme	GCET-NSS	NSS	Feb-2022	10
Unnat Bharat Abhiyan Project Proposal submission	GCET-NSS	NSS	Feb-2022	40
UBA "others SEG"- Project Proposal Presentation on " Rampally Dayara Property Tax Management System	GCET-NSS	NSS	Mar-2022	8
Blood Donation camp in association with Lions Club-Jubilee Hills, Hyderabad	GCET-NSS	NSS	Mar-2022	309
Covid-19 Vaccination Drive(Booster Dose)	GCET-NSS	NSS	Apr-22	0
Village Survey on "Setting up Health Care Centers in rural areas under Swastha Jagriti Abhiyan & UBA"	GCET-NSS	NSS	Apr-22	15
Health Camp at Thimmaipally Village in association with	GCET-NSS	NSS	Mar-2022	25

Lions Club				
UBA 'Others-SEG'- Technical Project Titled "Rampally Dayara Property Tax Management Systems"	GCET-NSS	NSS	May-2022	20
Setting up Health Care Center in rural areas in association with Swastha Jagriti Abhiyan, UBA & Cartula Health India PVT.LTD.	GCET-NSS	NSS	June-2022	20
International Day of YOGA (IDY)-2022	GCET-NSS	NSS	June-2022	75

Faculty achievements

Department	Patents	Qualified in NET/SET/SLET/NP TEL/MOOCs	Invited Talks/Chaired in Conferences	Obtained PhD while working in college
CE	--	--	--	--
CSE	--	5	--	--
EEE	3	4	4	--
ECE	11	06	--	--
IT	--	--	--	--
ME	--	--	--	--
MBA	--	6	0	--
FED	--	--	--	--

Student achievements

Department	Hackathons /Project Exhibitions	IEEE Coding/ other coding competitions	Paper/ Poster Presentations
CE	--	--	07
CSE	05	22	05
EEE	04	--	04
ECE	03	01	02
IT	01	01	--
ME	--	--	25
FED	--	--	03

Student participation in MOOCs/NPTEL Courses

No of students registered	No of students qualified
102	62

Events Organized

(a) Graduation Day report

Geethanjali College of Engineering and Technology, Cheeryal, Hyderabad organized the Fourteenth Graduation Day (GCET) on Saturday, July 23, 2022 at 5.00pm. Outcome: The graduates received their degree certificates by taking a pledge, they promised to work for a better world, where their knowledge in Science and Technology will be used in socially responsible ways. Cash prizes and Medals are presented to the meritorious students of all branches. The flow of event was as follows:

Graduation day was conducted on 23.07.2022 for the batch of 2022 passed out students. It was conducted in 2 venues, Block-4 auditorium and Block-1 Seminar Hall due heavy rains forecast. 520 **graduates** participated in this program. The chief guests on the occasion were Mr. M. V. Chalapathy, Senior Director, Virtusa India Ltd. for ECE, CE and ME graduates and Mr. Ramakrishna Maddali, Executive Director OC Tanner India Technology Ltd. for CSE and EEE graduates.

All Professors including Chief Guest, Chairman and Principal were present on this occasion. The event was started at 11 AM and concluded at 1.30 pm. Live telecast was done for the function so that parents and other interested persons can view the function online.

Few Photographs of the event are given below:





14th GRADUATION DAY PHOTOS

(b) Orientation Day and Student Induction Program Report on Student Induction Program Conducted for B. Tech I year Students

List of activities conducted: The following activities are conducted for the I B. Tech students from 26th November 2021 to 4th December 2021.

1. Lectures and Workshops by Eminent People
2. Creative Arts and Culture
3. Physical Activity
4. Mentoring and Universal Human Values
5. Literary Activity
6. Diagnostic Test
7. Proficiency Modules
8. Familiarization with College, Dept./Branch
9. Visits in Local Area
10. Extra-Curricular Activities in College
11. Interaction with Peer Group
12. Feedback and Report on the Program

About 847 students and all the faculty members of Freshman Engineering Department took part in the event.

Few Photographs and event reports are given below:

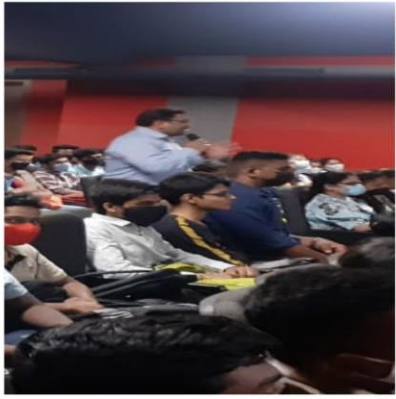
Lectures and Workshops by Eminent People: Veterans from various fields have shared their expertise on varied topics. The knowledge shared by the experienced resources persons is undoubtedly a great source of inspiration to mould themselves into responsible students and engineers.

S. No.	Name of the Resource Person	Designation	Topic
1	Sri. Murali Tenneti	Vice President, Fair Isaac Corporation	Skills required in the New Normal world
2	Sri. Seshu Kumar Gudepu	General Manager, Wipro	Dynamics of Engineering world and various aspects to be borne in mind for a successful career
3	Sri. Lakshmikanth Reddy Basani	Software Consultant Engineer	skills to be honed to make a mark in present world
4	Mr. I. L. Narasimha Rao	Senior Project Manager, Cyber Peace Foundation	Cyber Security

5	Mr. Sai Krishna P	CEO, Health Sutra Fountainhead Foods PVT. Ltd	What is to be an Entrepreneur?
6	Mr. Lalith Kumar V	Functional Consultant & Product Management Professional- SSKE MART Pvt. Ltd.	Industrial Revolution 4.0 and Skills required for Engineers
7	Mr. Arun Bharadwaj	Founding Member and Technology Head-SSKE MART Pvt. Ltd.	Embracing Agile Mindset in Education
8	Ms. K. Bhavani Sai Priyanka	Budding writer and a freelancer	Life Engineering
9	Ms. G. Harini	Free Lancer	Proficiency in Problem Solving
10	Ms. V. Sri Padma	Service Delivery Manager, IBM	Next Generation Technology-Block Chain
11	Mr. Balaji Sundaram	Trainer and Life Coach	Stress Management
12	Dr. Udaya Kumar Susarla	Principal-GCET	Professional Career Development
13	Dr. G. Neeraja Rani	HoD-FE- GCET	Introduction Semester I and Courses

Few Photographs of the Orientation Day Activities







Creative Arts and Culture



Physical activity



Diagnostic Test



Interaction with Peer group



Visits to Ramachandra Mission

Innovation and Incubation cell report

We at GCET fervently believe that educational institutions are a mirror of future society. The foremost goal of education is to create men and women who are capable of doing new things, be creative in their thinking and add value in providing solutions to societal problems.

Towards this motive, we have established an incubation centre which has been facilitating creativity and innovation among students and faculty. Its very purpose is to provide interactive and free-thinking environment, wherein students, faculty and others exchange ideas on problems facing society and providing environmentally friendly sustainable solutions to societal problems through innovative research projects working collaboratively and cooperatively with all concerned.

The philosophy of our incubation centre is to provide resources to students and faculty so that their ideas can be transformed to reality thereby generating an entrepreneurial culture among students and faculty. Ecosystem for innovation, creation and transfer of knowledge is largely constituted by the incubation centre which works in tandem with the R&D cell and entrepreneurship development cell of the college. Our Incubation centre has been working under the guidelines of Institute's Innovation Council (IIC) of Ministry of Education. We also have been in collaboration with J-HUB, a state government funded under section '8' incubation centre called, J-LABs at Jawaharlal Nehru Technological University Hyderabad (JNTUH), Kukatpally Hyderabad.

Design thinking and Entrepreneurship courses have been administered for students through faculty and also through industry experts, entrepreneurs, and community.

GCET has adopted the National innovation and Start-up policy (NISP) for encouraging and nourishing the innovation quotient and entrepreneurial abilities of the students, coming with innovative ideas and also has been improving the employability skills of students. The Centre invites ideas not only from students, faculty but also from others through its dedicated webpage.

Ideas are reviewed by a committee comprising of senior professors and accordingly seed money is made available to undertake Innovative projects and resulting IPRs are protected through patenting with financial support.

24-36Hr Hackathons, Ideathons are conducted periodically to identify potential ideas. An expert committee to guide the incubates is constituted with a mix of eminent personalities coming from different backgrounds namely, serial entrepreneurs, venture capitalists, industrialists, alumni working in senior positions and enthusiastic faculty. We have currently three startups registered and incorporated with Ministry of Corporate Affairs, Government of

India, receiving incubation support from the GCET's incubation centre. College also has registered with MSME, Government of India.

MoUs with various organizations were signed to strengthen the innovation activities to provide the information on entrepreneurship to the student and faculty. Our Centre is motivating students to involve in the activities of the centre to come up with innovative ideas which are implemented practically for which necessary financial support and infrastructural facilities are provided.

Our eco-system is manifested by providing opportunities to students and faculty to showcase their products developed for technology transfer by forging and reinforcing connection between academic, research organizations, industry, businesses, and government.

Academic Year	No. of Projects	Final Regd. students	JHub / EXCITE Enrolled Students	Total no. of events
2021-22	87	1332	12	31





Institute's Innovation Council at GCET, in association with AICTE is organizing the following talks as a part of 'Impact Lecture Series' in Session II

"Technology and Innovation in EVs"

by
Mr. Gopala Krishna VC
First Director, Automotive
Government of Telangana



Time: 5th Oct 9:30 AM to 11:00 AM (IST)

Registration: <https://forms.gle/eu7wfdcka7Phik7qg>

Dr. Madhuri Bajya
Coordinator

Dr. Spandana Madhav
Co-Coordinator

"Incubation & Pre-Incubation"

by
Dr. P. Yogeeshwari
Head, Centre for
Innovation, Incubation
and Entrepreneurship BITS, Pilani



Time: 5th Oct 1:00 PM to 2:30 PM

Joining info: <https://meet.google.com/wms-unwv-dri>
Dial-in: (US) +1 385-393-4180 PIN: 832 888 0818

Dr. Anil Kumar Puppala
Convener

Dr. Udaya Kumar Susarla
Principal



**GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS
Central Registration Centre**

Certificate of Incorporation

[Pursuant to sub-section (2) of section 7 and sub-section (1) of section 8 of the Companies Act, 2013 (18 of 2013) and rule 18 of the Companies (Incorporation) Rules, 2014]

I hereby certify that GREENOVATE FOUNDATION is incorporated on this Twenty third day of March Two thousand twenty-two under the Companies Act, 2013 (18 of 2013) and that the company is limited by guarantee.

The Corporate Identity Number of the company is U80301TG2022NPL160831.

The Permanent Account Number (PAN) of the company is **U80301TG2022NPL160831**.

The Tax Deduction and Collection Account Number (TAN) of the company is **U80301TG2022NPL160831**.

Given under my hand at Manesar this Twenty third day of March Two thousand twenty-two.

(Signature of Registrar)

Digital Signature Certificate

PM MOHAN

ASST REGISTRAR OF COMPANIES

For and on behalf of the Jurisdictional Registrar of Companies

Registrar of Companies

Central Registration Centre

Disclaimer: This certificate only evidences incorporation of the company on the basis of documents and declarations of the applicant(s). This certificate is neither a license nor permission to conduct business or solicit deposits or funds from public. Permission of sector regulator is necessary wherever required. Registration status and other details of the company can be verified on www.mca.gov.in

Mailing Address as per record available in Registrar of Companies office:

GREENOVATE FOUNDATION
S.Y NO 33 & 34, CHERIVVAL, KEESARA, KEESARA, Rangareddi,
Telangana, India, 501301

27th Aug 2021

Letter of Appreciation

This is to acknowledge and appreciate the participation and valuable inputs of the following members, during the panel discussion on "Factors affecting student's career choice as an 'Entrepreneur'" on 22nd Aug 2021.

Ms. Aleshia Avinash	Major Cingireddy Bharath Kumar	Mr. Ganesh Rayala	Dr. KVNSVPL Narasimham	Mr. Prasad Paturi	Mr. Ramesh Babu	Mr. Rameshwar Prasad Rallabandi
Alumni of GCET, Worked with IBM Bengaluru & now an Entrepreneur	Veteran - Military, Entrepreneur, farmer & Defense analyst.	T-Hub - Director, 'Capacity Building'	Scientific Officer-G, BARC, Govt. of India.	Sr. Project Manager - Infosys Ltd. (Also as a parent of a student studying at GCET)	Chief Planning Officer, HMDA, TSIPASS Team, Govt. of Telangana	MD - Benzona Sealing Technologies Pvt Ltd. - Entrepreneur, Also as parent of student at GCET

Courses in which Project Based Learning implemented to certain extent.

Dept.	Courses
CE	<ol style="list-style-type: none"> Design of Reinforced Concrete Structures Health Monitoring and retrofitting of structures Transportation Engineering Engineering Hydrology
CSE	<ol style="list-style-type: none"> Advanced Data Structures, Object Oriented Programming through Java Web Technologies Operating Systems Computer Networks Compiler Design
EEE	<ol style="list-style-type: none"> Electric Circuits Instrumentation and Measurement Techniques Power Electronics
ECE	<ol style="list-style-type: none"> Electronic Circuit analysis and Design Lab Digital Design Antennas and Wave Propagation Microwave Engineering Signals and Systems Lab Digital Communications

FDPs and STTPs conducted

S No	Name of the Workshop/ Seminar	Number of Participants	Date (From - To)
1	Computer applications in Civil Engineering	251	20/09/2021 – 25/09/2021
2	INDUSTRY CONCLAVE ON ELECTRIC VEHICLES	49	14/02/2022-19/02/2022
3	Designing an Innovative Business Model	3 Faculty members and 12 Alumni	27 July 2021
4	Impressing Venture Capitalists	2 Faculty 53 students	6 Aug 2021
5	Overview of Stock markets, recent developments and job prospects	45 Students	Nov 16 2021
6	Webinar on Investment awareness program (How to buy and sell shares)	44 Students & 5 faculty members	Mar 24, 2022
7	Workshop on "An overview on IPR"	55 Students and 11 Faculty members	May 13, 2022
8	Workshop on HVPE - "Empowerment through self-education"	124 Students and 15 Faculty members	May 31, 2022
10	Application of CAD Tools in Engineering Drawing	14	13 th Sep to 18 th Sep, 2021

CACG activities

The following activities are conducted under CACG:

S. No.	Name of the Event	Date	Resource Person	No. of Students Attended
1	Webinar on Career opportunities for study Abroad Aspirants	27 – 8- 2021	Shabanu Banu, Manager,Manya	147
2	Career Orientation – Career labs	21-10-2021 & 22-10-2021	Team from Career Labs	704
3	Orientation by Unacademy	5-11-2021	Team from Unacademy	1240
4	Manya Review Interaction	23-11-2021	Manya team	604

5	ELQ Scholarship	30-11-2021	Lakshmi Narayana & Kavitha Education Matters	601
6	Opportunities in Electric Vehicles field	14-2-2022	Mr. Rajeev YSR, Chief mentor EV masterclass	189
7	Opportunities in Renewable energy industry	19-2-2022	Dr.Sandeep Chattopadhyay and Dr.Madhuchandrika Chattopadhyay, Fonders of Chandradeep solar Research Institute	170
8	Counseling Session on “Vishwa” International Internship program	16-03-2022	Dr. Sandeep Inamdar Secretary Vishwaniketan	253
9	Webinar on "Entrepreneurship"	23-03-2022	Mr.Sharavan Startup innovation Associate,THub	79
10	Cognizant interaction	30-06-2022	Mr. Srikanth, Cognizant	320
11	Opportunities' in DAE(Deaprtment of Atomic Energy)	04-08-2022	Mr. Pasupathi Rao,DGM,HR, NFC,Hyderabad	226

Reports of few events:

1. Webinar on Career opportunities for study Abroad Aspirants held on 27-08-2021.

A webinar on career opportunities for students of all branches was organized on 27th August 2021 in association with Maanya Review. Ms. Shabnum Banu, National Admissions manager, New Delhi elaborated the opportunities available for the students. Under their 'Mission Abroad' initiative she introduced the factors under consideration, how to make a decision and also the options available. The students were motivated and were inspired by this session.

2. Career orientation by Career Labs

Career Labs is a Bangalore based company focusing on the overall development of the students. It is India's first Profile Building platform aimed at helping graduating college students build their profile for higher studies or job placements. Enabling 1 Million undergraduate students to learn better and earn better while discovering their dream career. Their chief trainer and administrator Ms.Dhivya Rajagopal and her team spoke to the students on the decision making options for their future. They oriented the students about the career building and higher studies opportunities facilitated by them. The event was held on 21st and 22nd October 2021.

3. Orientation by UNACADEMY

The Unacademy institution team visited the campus on 5th November 2021 to offer free GATE material to all the students of all branches. The team encouraged and enabled the students to download their APP and gave access to their material and lectures. The students were encouraged to attend the sessions and make use of the material.

4. Maanya Review Interaction

The team from Maanya had a class-to-class interaction with students of all branches on 23rd November 2021. Maanya has many centres in Hyderabad. They proposed to the students to register and said they can have a session in the college itself. They also oriented the students to their partner universities where they can help the students with admission.

5. ELQ Scholarship

The team from EDUCATION MATTERS, Mr. Lakshminarayanan and Ms. Kavitha had a class interaction with students of all branches on 30th November 2021. They have ELQ

scholarships which is a scholarship to their partner universities in Europe. Geethanjali college has been allotted 45 scholarships for the students. This session was an orientation for these scholarships.

6. Opportunities in Electric Vehicles field

As part of the 'Industry Conclave on Electric Vehicles' organized by the EEE department we invited Mr. Rajeev YSR, Chief Mentor EV Masterclass to orient the students of EEE and Mechanical with respect to opportunities for them in the electric vehicle domain on 14 February 2022. Mr. Rajeev introduced the current electric vehicle scenario in India and the requirement of mechanical and electrical engineers for the production and integration of these. He encouraged the students to the courses regarding electric vehicles and internships in the same field. He also introduced the MBA students about entrepreneurship as a career. He imparted the importance of entrepreneurship and asked the MBA students to work on development of these skills.

7. Opportunities in Renewable energy industry

Dr.Sandeep Chattopadhyay and Dr.Madhuchandrika Chattopadhyay are the founders of Chandradeep Solar Research Institute. They visited the college on 19th February 2022 to orient the students about the opportunities in solar industry. They offer training solar technology and offer placement option. They introduced the students to the various courses offer by CDRI.

8. Counseling Session on "Vishwa" International Internship program

The Vishwaniketan Institute of Technology and Management Khalapur offers undergraduate fellowships to undergraduate students for internship in universities in Europe, Asia and USA. Dr.Sandeep Inamdar, Director gave orientation to the students of Geethanjali College of Engineering and Technology in online mode on 16th March 2022. The students were introduced to the partner universities and projects to be handled.

9. Webinar on "Entrepreneurship"

Mr.Sharavan, is a startup innovation associate at THub and an alumni at GCET. He had an online session with our students to orient them with the entrepreneurial initiatives of THub. THub's partnering networks are the Telangana Govt., WiE Hub, TASK. Collectively the startup and entrepreneurial ecosystem in Telangana is picking up pace. Entrepreneurship as a career is being actively advocated through these initiatives.

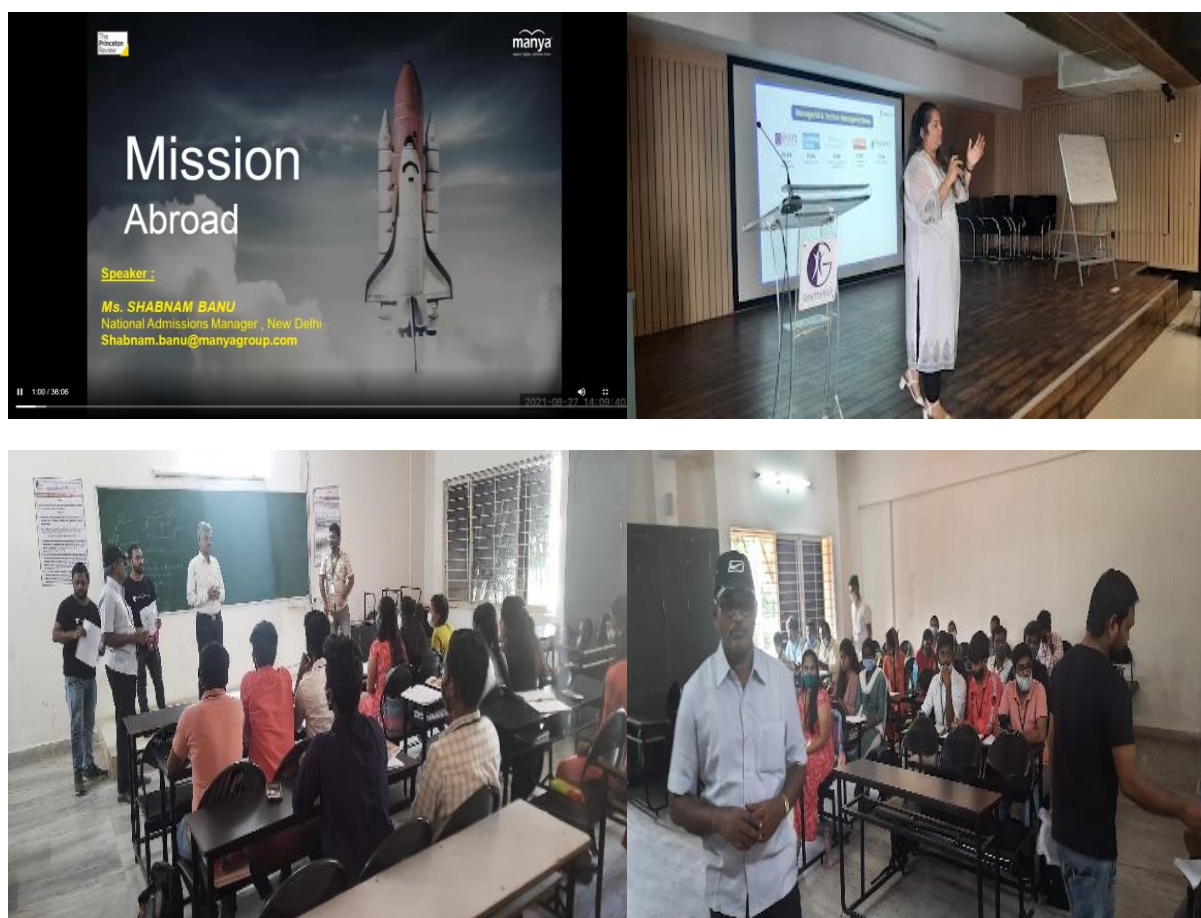
10. Interaction with Cognizant team

Mr. Srikanth from Cognizant interacted with the third year students of all branches. He outlined his journey in the software field and also encouraged students to take up skill based training. He reiterated the importance of data science and machine learning based education in colleges. With increasing jobs in the automation field this gives more opportunities for students in IT Field.

11. Opportunities in DAE (Department of Atomic Energy)

Centre for Academic and Career Guidelines cell conducted a session on “**Opportunities in DAE**” on 04-Aug-2022. The keynote speaker Mr. Pasupathi Rao, DGM, HR, NFC, Hyd. had spoken to the students on the future opportunities in the area of Nuclear Fuel and Atomic Emerging, making options for their future. Highlighted the Career and Research Opportunities to the students in the **HOMIBHABHA NATIONAL INSTITUTE** and BAARC Exam importance. The students were motivated and were inspired by this session.

Few Photographs





Accounts at a glance

S. No	Details	Budget Approved (Rs. in Lakhs)	Utilization Amount (unaudited) (Rs. in Lakhs)
PART-A (Capital Expenditure)		2021-22	2021-22
1	a) Building Constructions	540.00	556.31
	b) Furniture & Fixtures		
	c) Vehicles		
	d) Other Equipment		
2	Laboratory Equipment & Software	170.00	164.96
3	Library Text Books & Journals	30.00	27.73
4	R & D	10.00	3.60
	Sub Total	750.00	752.60
PART-B (Recurring Exp.)			
5	a) Teaching Staff Salaries	2,250.00	1791.00
	b) Non-Teaching Staff Salaries		86.50
	c) Admin.& Contingency Staff		209.10
6	College Maintenance & Administration Operational Expenses	917.8	1197.70

7	Transport Maintenance	150.00	95.13
	a) Vehicles Repairs & Maintenance		
	b) Driver's Salaries	85.00	67.40
8	Laboratory Consumables & Maintenance.	25.00	26.54
9	a) Seminars & Workshops	20.00	0.08
	b) Guest Lectures	20.00	10.15
	c) Faculty Development Program	10.00	1.45
	d) Staff Paper Publication	5.00	3.02
	e) Students Project Related	5.00	1.92
	f) Student Technical Activities	15.00	7.70
10	Training & Placement	75.00	116.65
11	Finance Interest Cost	600.00	688.66
	Sub Total	4177.80	4303.00
	Total	4927.80	5055.60