GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY UGC AUTONOMOUS ccredited by NAAC with 'A' Grade and NBA (CSE,ECE,EEE,ME)

SAMIKSHA-Newsletter

Department of Freshman Engineering January-June 2021



Students' Achievements

Ongoing Projects

Invited Talks

Books Published

Workshops/FDPs/STTPs/Conferences **/Quizzes Attended/Participated by the Faculty**

Paper Publications

Faculty Contributions

Guest Lectures Conducted

Co-Curricular Activities

Chairman

Sri G. R. Ravinder Reddy

Principal

Dr. S. Udaya Kumar

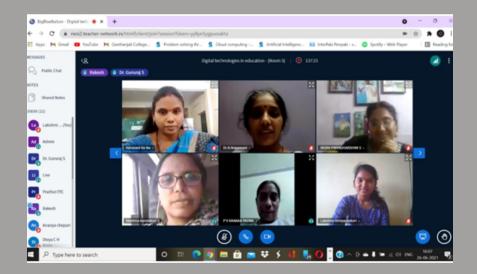
Head of the Department

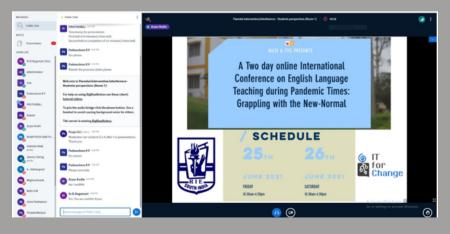
Dr. G. Neeraja Rani

Students' Achievements

I.B.Tech-II Sem students five in number, presented papers in an International Conference organized by Regional Institute of English South India and IT for Change, Bengaluru on "English Language Teaching during Pandemic Times: Grappling with the New Normal," from 25th June, 2021 to 26th June, 2021. All the five (5) students got hold of appropriate methodology in preparing the paper on the selected topics.

- Ananya Chepuri 20R11A0469 ECE-B presented a paper on Proliferation of Student-Teacher Interaction in Online Classes https://youtu.be/uaQtdksH7PQ at 28.12 minutes.
- Ms.I.Lakshmi Shreya -20R11A0481 ECE-B presented a paper on Digital divide: Managing Inequities and Environmental Injustices https://tinyurl.com/digital-tech-edu-r5-live1at1hr.24minutes.
- Ms.K.Chetna Goud 20R11A0490 ECE-B presented a paper titled Online Classes-Student's Challenges and Perspectives https://youtu.be/TeK1UO46Pm8 at 25.19 minutes.
- Mr.B Saketh 20R11A0569 CSE-B gave a presentation on 'Home assignment and Assessment issues
 - https://youtu.be/TeK1UO46Pm8 at 1hr.43 minutes.
- Mr.Aryan Kodte 20R11A6703 CSE-DS presented a paper on the topic'Classroom to Living Room-Coping with the Change.' https://youtu.be/TeK1UO46Pm8 at 9.35 minutes.





First Students' Webinar on Websitefor Creating Portfolio was organized for ECE students on 19-06-2021.

Ananya Chepuri

I. Lakshmi Shreya, K.

Badrinath and

- J.Manish of B.Tech I/II ECE-B gave the webinar.
- 120 students attended the webinar.





A Three Day Workshop on DesignThinking and Critical Thinking was conducted from Feb 28th to March 2nd, 2021. 100 selected students of I. B. Tech./I Sem. participated in the workshop.

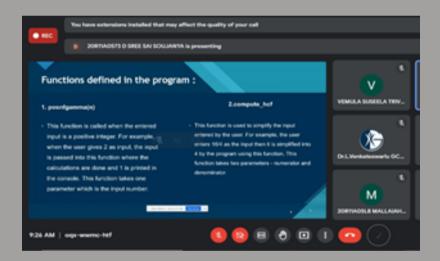




"Mathematics Project Presentation" for I B. Tech. II Semester students was conducted on 15th June, 2021 by Mathematics Club of Freshman Engineering Department from 9.00 am to 1.40 pm through Google meet. 123 students participated. Students presented their projects in various areas such as: Finding rank of a nxn matrix using C++ language, Eigen values using C Language, Gamma Function, Complex Numbers related to Coding, Newton's Law of Cooling Using C Language and C++ language, Natural Growth or Natural Decay Calculator, Gauss Elimination Method Using C and C Program to find Inverse of a non-singular matrix, integration of polynomial using C language, har+monograph, cryptography using matrices, and calculation of centre of mass using double and triple integrals.









First prize: Asifa Anjum Shaik and A Venugopal(ECE-A)
Second Prize: D Sree Sai and Soujanya (CSE-D)
Third Prize: Deepana and M. Rajesh (IT)
Consolation: Chinthala Shivani, Hema, Manogna and Abid Hussain (CSE-DS)

Ongoing/Completed Projects

- Dr. S. Udaya Kumar (PI), Dr. G. Neeraja Rani (CO-PI), Mr. OVPR Shiva Kumar, ECE (CO-PI) and Dr. P. Raju (Team Member) working on a project titled "Development of Novel Carbon Nano tube/ polymer Nano-composites materials for EMI applications" worth Rs. 45 Lakhs sanctioned by DRDO.
 - Status: Completed second Project Review meeting successfully on 28th Jan 2021. One paper is communicated to Journal of Material Science Matter Electrons of Springer (a Scopus Indexed Journal).
- Dr. N. Subhadra, faculty of Mathematics completed a project entitled "Peristaltic Transport of Nanofluid" as Principal Investigator worth 2 Lakhs from JNTUH, TEQIP-III.
- Dr. K. Sashikala of Chemistry completed a project entitled "
 A Facile synthesis and anti-cancer activity of novel quinoxaline-2-carbo hydrazine N-oxide derivates" as Principal Investigator, worth 2.5
 Lakhs from JNTUH, TEQIP-III.

Invited Talks (In house/ Off Campus)

- 1. Dr. P. Raju gave a lecture on `3-Day Virtual National Workshop on E-Labs in Physics & Electronics organized by R.B.V.R.R.Women's College (AUTONOMOU S), Narayanaguda, Hyderabad, on 23-25, March 2021.
- 2. Dr. B. Nagamani gave a lecture on `Designing a Website for Enhancing English Skills' organized by English Language Teachers' Association of India, on May-09-2021.
- 3. Dr. P. Raju gave a lecture on `Workshop on Electronic circuit design and simulation using Falstad' organized by Sri GVG Vishalakshi College for women, Udamalpet, Tamilnadu, on 27th May 2021.
- 4. Dr. N. Subhadra gave a lecture on 'An Introduction to WOLFRAM MATHEMATICA' organized by Bharath Institute of Engineering and Technology, Hyderabad, on June 2021.

Books Published

Dr. K. Shashikala published a book titled A Text of Engineering Chemistry by Pearson Publishers with ISBN Number: 978-93-903-9433-3 in 2021.

Workshops/FDP's/STTPs/Conferences Attended by Faculty

Workshops: 07 STTP's : 05 Conferences: 20 Webinars : 64

Papers Published

17 Papers published in journals by the faculty. 02 are from SCI, 12 are from Scopus/WOS indexed Journals, 01 is from UGC approved

and 02 are from Non-Scopus/non UGC recognized journals

- Ms. P. Sailaja, published a paper titled `Existence of Psi ^ Alpha Bounded Solutions of Linear First Order Fuzzy Lyapunov Systems- A New Approach' in an International Research Journal of Engineering and Technology, in January, 2021.
- Dr. K. Shashikala, published a paper titled`FeF3 mediated synthesis of 3,4-Dihydro-3-pyridyl-2H-naphtho[2,1-E][1,3] examine derivatives' Heterocyclic letters, in January,2021.
- Mr. N. Nagireddy, published a paper titled` Chemical reaction impact on MHD natural convection flow through porous medium past an exponentially stretching sheet in presence of heat source/sink and viscous dissipation' Case studies in thermal Engineering, in Jan 2021.
- Dr. Anurag Gowtham, published a paper titled`Recent Trends in Noble Metal Nanoparticle for Colorimetric Chemical Sensing and Micro-Electronic Packaging Applications' Metals, in Feb, 2021.
- Dr. B. Nagamani, published a paper titled `Flip-Flop with ICT' in The English Language Classroom, in June.
- Mr. A. Ramesh, published a paper titled `Impact of Soret and Dufour on bioconvective flow of Nanofluid in porous square cavity' Heat transfer, in March, 2021.
- Dr. P. Raju & Dr. Neeraja Rani, published a paper titled `Enhanced microwave absorption properties of Ni 0.48 Cu0.12 Zn 0.4 Fe2 O4 polyaniline nano composites' Journal of physics and chemistry of solids, in March 2021.
- Dr. J. V. Madhuri and Mr. K. Satish, published a paper titled `Prediction
 Of Bioactivity Of Phytochemicals In AnethumGraveolens An In Silico
 Approach' Plant Cell Biotechnology And Molecular Biology, in April, 2021.
- Dr. J. V. Madhuri, published a paper titled `A Framework for Developing Intellectual Property Perspective among Computer Science Students' Innovations, in April 2021.
- Mr. A. V. Ramaiah Chary, published a paper titled `
 Developing Creative Writing Skills among the Students at Secondary
 Level through Authentic Materials' Literary Herald An International
 Refereed/Paper- reviewed English e-Journal, in April, 2021.
- Dr. Anurag Goutam, published a paper titled` Hardcore proof of the polyvinyl alcohol as a reducer for the formation of gold nano particles' Journal of Molecular Liquids, in April 2021.
- Dr. K. Shashikala, published a paper titled` Synthesis, biological evaluation and docking studies of 1,2,4-oxadiazole linked 5-fluorouracil derivatives as anticancer agents' BMC Chemistry, in May 2021.
- R. Sanjeev, published a paper titled` The Pka of pentazole' Australian journal of Chemsitry, in May 2021.
- Dr. Anurag Gautam, published a paper titled` Enhanced Optical and Electrical Properties of Graphene Oxide-Silver Nano-particles
 Nano-composite Film by Thermal Annealing in the Air' Russian Journal of Applied Chemistry, in May 2021.

- K. Venkateshwarlu, V. S. Triveni, G. Mahesh, published a paper titled A new trigonometrically method for solving nonlinear transcendental equations' Journal of Mathematics and Computer Science, in May 2021.
- Dr. J. V. Madhuri, published a paper titled` Molecular docking studies of Chenopodium album Linn with Lanosterol Syntheses enzyme' Journal of Applied and Natural Science, in June 2021.
- Dr. P. Raju, published a paper titled` Effect of BaTiO3 phase on frequency dispersion Characteristics of Mg 0.48Cu 0.12 Zn 0.4 Fe2 O4 + BaTiO3 nano composites' Materials Science and Engineering, in June 2021.

Paper Presentations in Conferences

- Dr. K. Shashikala, presented a paper on `An efficient synthesis of substituted pyrazolo [1,5-a]pyrimidine-6-carbonitrile' in a National Conference organized by Dept. of Chemistry, JNTU College of Engineering, Kukatpally, Hyderabad, from 28th to 29th January, 2021.
- K. Swarupa, presented a paper on` "An efficient synthesis of novel
 1-(4-(1,8-naphthyridin-2-yl)phenyl)-3-phenylurea derivatives" in a
 Virtual National Conference organized by Dept. of Chemistry,
 JNTU College of Engineering, Kukatpally, Hyderabad, from 28th to 29th
 January, 2021.

Faculty Contributions

- Dr. N. Subhadra, chaired a session during an "International Conference on Science and Computing ICSC21, from 23-24 January, 2021" combinedly organized by Rajasthan Technical University, Kota and Vivekananda Institute of Technology, Jaipur (VIT) in virtual (online) mode.
- Dr. G. Mahesh recieved an opportunity to be a Reviewer for the "Journal of Mathematics and Computer Science" and " Thai Journal of Mathematics" (Both are Scopus Indexed journals).
- Dr. B. Nagamani, was a Judge for Two Day English Prowess Activity conducted as part of Future Sastra 2K21 organized by MallaReddy Engineering College for Women, Hyderabad on 22-05-2021.
- Mr. K. Nagaraju, was a Judge for the event AD MAKING organized by The Department of Management Studies, Geethanjali College of Engineering and Technology, Hyderabad on 24-05-2021.

- Dr. J. Anjaiah applied for One-week online AICTE-JNTUH Joint Short Term Training Program (STTP) on "Virtual Physics Labs" by JNTUH on 03.06.2021
- Dr. V.S Triveni applied for One-week online AICTE-JNTUH Joint Short Term Training Program (STTP) on "Role of Statistics in Machine Learning and Data Science" on 02.06.2021.
- Mr. Y. Anil worked as an IT Coordinator for Toycathon Hackathon Program from 22nd June to 24th June, organized by AICTE in collaboration with five National Ministries.

Co-Curricular Activities

- Dr. V. S Triveni, Presiding Officer, Women Protection Cell, GCET conducted a
 five day programme titled "Train the Trainers Model Girl Safety
 Volunteering in collaboration with Women Safety Wing, from 4th January to
 8th January, 2021 selecting 25 students across the branches. The Telangana
 State Police partnered with NGOs 'Save the Children and Lead Life
 Foundation'.
- The Science Quiz was conducted three times as part of quiz competition for students on 1-22-12-2020, 2-29-12-2020 and 05-01-2021.



First prize: M.Rishi (CSE-DS) and N.Venkateswarlu (CSE-A). Second Prize: S. Vennela (CSE-A) and Sushanth Myadam (IT)

Third Prize: Ch. Ananya (ECE-B)

Three rounds of quiz on Aptitude and Logical Reasoning was conducted on 03-02-2021, 13-03-2021 and 10-02-2021 respectively.



First prize: Rama Rahul (CSE-B). Second Prize: G.Bhanu Sri (CSE-B) Third Prize: B. Sharath Kumar (ECE-B)

Online quiz on Soft Skills was conducted on 02-01-2021. Nearly 400 studentsparticipated.



First prize: Musapeta Deepika- CSE-A Second Prize: Gunja Vijay Kumar- CSE-C Third Prize: Mallojwala Sai Hamsini- ECE-B

Club Activities

Mathematics Club

Online SUDOKU Competition for all B.Tech students was organized in two rounds. 445 students registered for the competition. 108 students submitted the solutions for Sudoku Round-I which was conducted on 22-5-2021 and 26 out of 108 were selected for Round-II which was conducted on 29-5-2021.



First prize: M. ChaithanyaLahari (CSE-DS)

Second Prize: Hari Sarada (CSE-D)
Third Prize: Shivani Gitti (IT-A)

Literary Club

Essay Writing competition on the topic "Making Our Voters Empowered" was conducted on 25-01-2021.

ESSAY

Making au Voter Empowered

India is the second largest populated country in a world. The first general electrons were held in a year 1951-52. The voting-percentage in first real electrons was the care of electrons was the care of electrons the representatives to rule, the water and develop it. Electrons Commission of India admits the electrons in India. The eligibility for they is having age more than 18 years. Earlier elsows were enducted wings ballet boxes, but in cost days they was electronic voting machines" (ESM's)

Electing—the sight sepresentative to rule us reider the development of nation, so we must need that development of nation is in our inde. But most of the voters are uninterested to se their sight to vote because of many seasons. The of the seasons are:—the voters do not know sout the candidates and and some condidates having the history competing in the elections are may the seasons. To elections commission must also ease of all there aspetts. Voters on should so actively participate in the elections, they ouldn't think that their one vote can cause nothing lifternce, with our one vote only we can make

the algest person win the elections.

"Right to voke" it a fundamental slight of avery Indian citizens in a susponsible Indian Clizens we must use our right vote in usey elections which are conducted in term of Syeas once. Indian Youth must awake and uplay a key take in the development of the country by udillising their sight to vote.

In Educated people will have a right point of view and will not obey any malpratises in the election. To it is very important to educated people and youth to participate in the elections.

The Empowerment in Bur Vateur courbe brought out by doing encouragement events, ide must take steps in each way that our youth and people are interested in rolling. First we must analyte what are the problems they are facing to vote and must book after them. To develop our country there should be succ vide caoperation; From people and from government and election commitmen.

"The bollet is stronger ton the bullet" - Abraham Union.

"The vote can nock the boat *
"Will ze right to vote, develop your Country"

Book Review Writing Competition

23rd April is observed as English Language Day and World Book Day.
The Literary Club organized a Book Review Writing Competition for
B.Tech. I, II, III and IV year students.



BOOK : THE ALCHEMIST
NOVELIST: PAULO COELHO
YEAR : 1988
GENRE : ADVENTURE, FANTASY FICTION

DESIGNATION OF CRE-CO





YEW OF THE AUTOBIOGRAPHY-G"BY MICHELLE OBAMA.

NAME- DEEPSHIKHA R FOLL NO: 20011A04J3 BRANCE: ECE- D'



"how I think it's one of the most useless questions an adult can ask a child-what do you want to be when you proving?, As if growing up is finite. As if at some point you become something and that's the end?". This quote an entract from the autobiography has touched me deeply as a child.

touched me deeply as a child.

"RECOMINIO" is a 488 expansion of autobiography on what the politics deeply did to her [Michelle Qbarge] and how it has affected her professionally and operating and how it has affected her professionally and operating her professionally and operating the professionally and operating the professional professional professional that has been comparing the nation, even while explaining the worst scenarios she most to private patiently-leahily cover up after end. The book is not completely about woman empowerment, but also highlights the actions about her childroot and college years. It take highlight on how she has been a victim of raciom and the way the managed to deal

The book also has a print of the personal life, convincing that Obanya has a genuine deep remands connection and marriage, I wouldn't self that the book granted but rather has regrete, mistakes, howesty and failures which according to mely a "successful journey," 1920.00ml/o" in a whole in releast Friendy, a marrial or remarkable life told with humor, awareness and honesty. Michelle Obanya is a writer of the autobiography places herself in the larger diameter of the history, not in just the series of the white house, but also in terms of becoming the "PMST LADI" of the United States Marrial.

strong that I could relate to every single line of every single page of

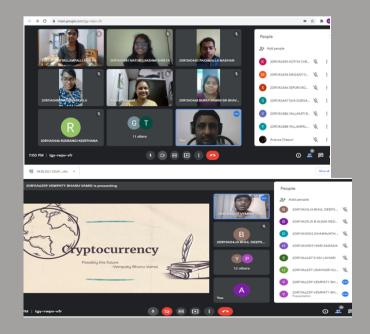
your tummy".

And if your someone who'd rea basis of the publishers and the awards it has received. information regarding the autobiography "BECOMI PUBLISHERS: VIKING PRESS

AWARDS: 1. GRAMMY AWARD FOR BEST SPOKEN W 2. AUDIE AWARD FOR AUTOBIOGRAPY.

Paper Presentation Competition

The Literary Club Organized Paper Presentation Competition to all IYear II Sem. students on 09-06-2021. 35 students participated.



Science Club

Vaisheshika-2021 was conducted on on 02-06-2021. Students presented their Working/Demo Models in the exhibition. A few students participated in Poster Presentations

Prizes	Project Codes	Title	Team Members	Branch
Working Models				
Ananya Chanyai (20P.11A0460)				
1	W08	Tome-The library app	Shrikeraa Beraar(20R11A0552), Rishi	ECE-B
			Deshmukh (20R11A0128)	
		Reducing the queue	Yelleti Geethanjali-20R11A04C0,	
	W09	time at billing	Arupali Akash-20R11A6909, Tata	ECE-B
2		counter	Tanishq-20R11A6954	
	W07	Arduino Based	P. Sathvik 20R11A6943, Hari Sarada	CSE-D, CSE-
3	WO7	Robotic Arm	20R11A05K9, G. Ashrith 20R11A05J4.	IOT
Appreciation Certificates	W02	Line following bot	Sanketha Reddy Lakkadi 20R11A6648,	CSE-AIML
			G. Harshitha 20R11A6618	
	W13	PIR MOTION SENSOR (LED)	B. DEEPANA (20R11A1208), P.	IT
			HARSHITH (20R11A1247), G.	
			SHIVANI (20R11A1254)	
	W16	Water alarm for water tank	T. Nikitha, M. Kusuma, T. Vaishnavi	IT
Demo Models				
	D13	Fire Fighting Vehicle	J MANISH,20R11A0482, K	ECE-B
			BADRINATH,20R11A0484, P	
1			VENKATA BHANODAI,20R11A0499	
2	D04	Vacuum Cleaner	G Phalguni 20r11a0576	CSE-B
	D05	Rescue robot using	M.Vansh 20R11A05L7, K. Supraja	CSE-D
3	D03	Arduino	20R11A0426	CSE-D
Poster Presentations				
	P14	Virtual Reality and Augmented Reality	M.Kavya Sri 20R11A6235, Ruchitha	CSE-CS
			20R11A6254, Rakshanda 20R11A6243,	
			Prerana 20R11A6240, Sai Lahari	
1			20R11A6247	
	D. ()	Asteroid, Asteroid		
	P42	and it's influence on	SONAKSHI, Samhitha Yeluri	CSE-AIML
2		earth	_	
3	P41	TIME DILATION	Jeevan	CSE-AIML
Appreciation Certificates	P10	Project Dodo	Yuktha.S, 20R11A05G7, Rithika.P, 20R11A05F4	CSE-C
	P01	Augmented reality	Richa, 20R11A0544	CSE-A
	P22	Malyala Chaithanya Lahari	M.Chaithanya Lahari, 20R11A6729	CSE-DS
	P09	BLUE BRAIN TECHNOLOGY	KOSGI AAKANKSHA REDDY, 20R11A0592, K. ROHITHA, 20R11A0588	CSE-B

Environmental Club

The Environmental Club of GCET organized an indoor activity on the theme 'Re Use- Re Make' to commemorate the 'World Environment Day' on June 5, 2021. Around 13 students participated in this activity. They made various useful products by using reusable material like paper, plastic, Phone stand.





Fine Arts and Cultural Club

Traditional Day Celebrations- 12.1.2021 to 28.1.2021.
Online Traditional Day was celebrated in January. Many students participated in the event, they recorded videos and clicked photos Dressed in traditional attire students enthused Cultural identity and



Mr. Traditional: First prize: Kasam Sai (CSE-DS). Ms. Traditional: Suragani Sai Lahari, (CSE-CS). Ms. Traditional Accessories: Consolation: R. Shivya (IT).

Best Traditional Dance: First Prize: Keerthana Borra (ECE-A)



Collage Competition on 5.6.2021





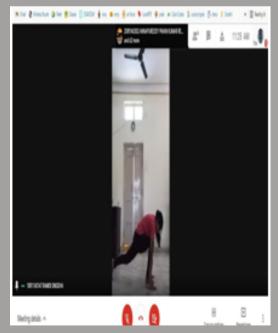
First Prize: S.Sai Lahari Second Prize: V. Bhavana.

Online Yoga Asana Competition- 21.6.2021

An Online Yoga Asana Competition was held on 21.6.2021 in connection with the International Yoga Day. The event was a success in terms of students' participation and performance. The event was graced by Dr K. R. Shashidhar Reddy, a doctor by profession and a yoga enthusiast.



First Prize: G. Sai Hanisha (CE-A) Second Prize: Apoorva Gitti (CSE-B)





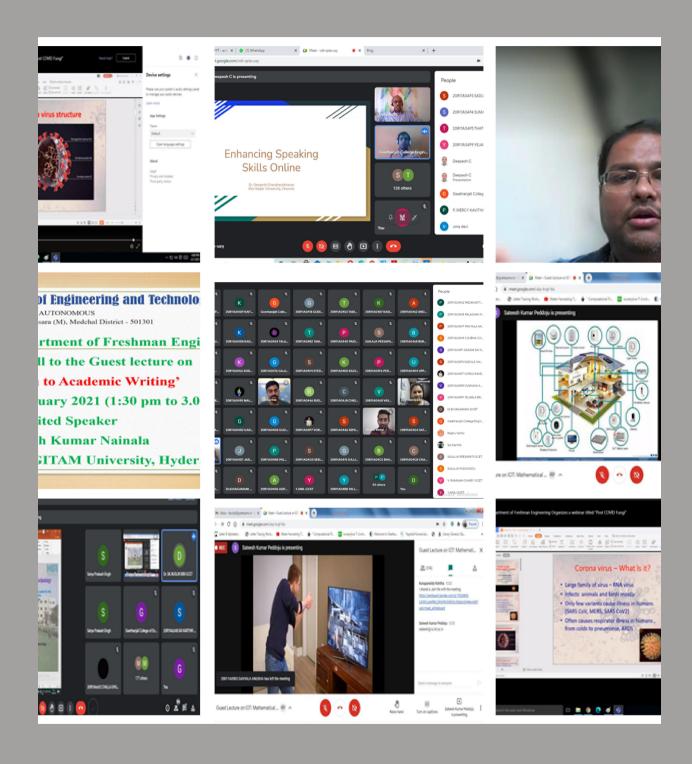
Centre for Soft Skills Development

- English Language Skill Enhancement Training for II Batch Faculty was given from 09-12-2020 to 13-03-2021. 50 faculty from all Departments have attended the training program.
- A 'Six 2 day IGNITE Workshop' was conducted by JNTU (H) on 19th and 20th February. Three students- Ms. Bhavana, Mr. Vansh,
- Ms.Hari Sarada and B.Saketh shared their knowledge to their peers in A Peer Learning Session on 'Types of Entrepreneurs' was conducted on 23-02-2021. 80 students attended the session.
- Essay Writing: As per the direction from PMO &MoE ID No. 5342841/PMO/
- 2021/SW dated 18.03.2021 from Prime Minister's Office, an Essay
 Writing Competition was held on "Elimination of Single-Use Plastic."
 for the students of B.Tech I, II, III & IV year. The competition was conducted
 from 31st March, 2021 to 2nd April, 2021. 90 students participated in this
 competition.

Guest Lecturers Organized for Students Guest Lectures: 8

- Guest Lecture on "Introduction to Academic Writing" was organized on 23-01-2021 to I Year CSE-A, B, IoT and Al&ML students. 225 students listened to the lecture.
- A Guest Lecture titled "Internet of Things: Mathematical Relevance" was organized on 2nd February, 2021. Eminent speaker Dr. Peddoju Sateesh Kumar, Associate Professor, Department of Computer Science and Engineering, IIT Roorkee, delivered the Guest Lecture. 210 students from CSE (all sections), CSE-CS, CSE-DS, CSE-AIML, CSE-IOT attended the session from 1.30 pm to 3.30 pm.
- Guest Lecture on Interaction of Electromagnetic Radiation with Matter was organized on 18-02-2021 for B.Tech I Year Students. Dr.R.Sai Santhosh Kumar, Associate Professor, IIT Hyderabad gave the lecture.
- Guest Lecture on 'Interaction of Spectroscopy' was organized on 19-02-2021 and 20-02-2021 for B.Tech I Year Students. Prof. M. Thirumala Chary, Retired Professor, Dept. of Chemistry, JNTUH, Hyderabad delivered the lecture.
- Guest Lecture on 'Post COVID Fungi' was organized on 01-06-2021 for Students of B. Tech MBA, Parents and Faculty. Dr. S. Parthasarathy MD, General Medicine, Consultant, Navodaya Hospitals, Secunderabad carried out the lecture.
- Guest Lecture on "Chit Chat on Life, B. Tech and Growth" was organized on 05-06-2021 for students of I Year B. Tech. Mr. D. Sai Karthik and Mr. R. Raghuvamshi of Alumini-NIT Warangal was the chief speaker.
- A Guest Lecture on "Use of Technology to Enhance Speaking Skills" was organized on 05-06-2021to I Year II Sem. ECE students. 170 students attended the lecture. Dr. Deepesh Chandrasekhar, Shiv Nadar University, Chennai addressed the gathering.

Guest Lecture on Organic Reaction Mechanisms was organized on 11-06-2021 for B. Tech. I Year Students. Prof. Jagdeesh Kumar Ega Professor, Chaitanya Deemed to be University, Warangal gave the lecture.



Editorial Board Members

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