FROM THE EDITOR-IN-CHIEF

This is a newsy issue as it carries quite a lot of reports about the events held on campus from July to December 2022.

The word "newsy" makes me wince, though. While in one sense it may be an appropriate description for a newsletter issue which is packed with information, in another, it may be ironic and self-critical. And the irony is unintentionally directed against myself, considering that I am the Editor-in-Chief of this newsletter. "Newsy" comes from "news," which means new information about something that has happened recently. How can reports published in January 2024 about events that were held from July to December 2022 qualify for the description "news" unless the reporter who uses that expression wants to mock himself? Self-mockery comes in handy indeed in situations such as this: it is a good self-defensive mechanism!

After that lighthearted *mea cupla*, let me introduce this issue of *Technolight* to you. In September 2022, we held a national-level Hackathon in association with the AICTE and ISTE, among others, and an Ideathon in the very next month, and this issue brings details of those events. The issue also features our winning a 3-star rating from the Government of India for carrying out a variety of activities recommended by the Innovation Council, Government of India. Also featured are the renewal of recognition for our research centres, the student induction programme, and the inauguration of the Innovation and Incubation Cell. There were celebrations galore during the period covered by the issue, and you will find all of them recorded in the pages of this issue. Also covered are our regular features such as participation in academic events, FDPs, publications, guest lectures, industrial tours, T&P activities, NSS programmes and sports events.

I hope you enjoy reading this issue. Please feel free to email your suggestions and feedback to editor.technolight@gecgudlavalleru.ac.in. We will be happy to publish them as well as use them for improving the newsletter.

G. V. S. N. R. V. Prasad
Principal & Editor-in-Chief

Certificate of recognition to SRGCE

In coordination with Dr Raveendranath, Director, Directorate of Research and Development, JNTUK, Dr GVR Prasad Raju, Vice Chancellor, JNTUK handed over the certificate of recognition of JNTUK affiliated research centres of SRGEC in the disciplines of Civil Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering and Computer Science and Engineering, to Er Satyanarayana Rao Vallurupalli, Secretary and Correspondent and Dr GVSNRV Prasad, Principal, SRGEC in the presence of Dr L Sumalatha, Registrar, and Dr KV Ramana, Rector, JNTUK on 1 July 2022.

Dr Raveendranath handing over the Certificate to the Management of SRGEC

Blood Donation Camp

Blood Donation Camp was organized on the campus by Faculty Club to meet the medical need of a parent of our staff member on 4 July 2022. 150 Units of blood was collected from the volunteers through this camp. Dr. Saleem Bagh, VISION Blood Bank Manager, supervised the Camp.

A Guest Lecture on Changing Landscape

A guest lecture was delivered by Prof. V.S.S. Kumar, Chairman-BoG, NITTTR Chennai, Former Vice Chancellor, JNTUK, Kakinada, on **"The Changing Landscape** (Strategic Vision to Strengthen Technical Education)" on 23 July 2022 organised by ISTE and IE chapters.

Dr B Raja Sekhar of ECE electing Chairman of IETE

Dr. B. Rajsekhar, Associate Professor of ECE was elected Chairman, IETE, Vijayawada Centre comprising four Districts on 25 July 2022.

Prof. V S S Kumar delivering a guest lecture

Har Ghar Tiringa campaign

A campaign "Har Ghar Tiringa" was conducted to encourage the citizens to hoist the National Flag of India at their respective homes at Gudlavalleru and nearby villages. In this connection, all the staff and students of the college actively participated in 5K Run, Mono Action, Mime, Singing, Essay Writing, Elocution, Debate, Drawing, Short Film making competitions, Rally, Sapling etc., and made the campaign a grand success.

75th Independence Day celebrations

75th Independence Day was celebrated on the campus on 15 August 2022. The principal of the college, Dr GVSNRV Prasad, hoisted the national flag. Also, merit prizes were given to the students who excelled in their academics. College officials, administrators, the staff and students attended this event.

National Sports Day celebrated

National Sports Day was joyously celebrated on the campus. Various sports and games competitions were conducted during 26 -29 August 2022.

Independence Day Celebrations at SRGEC

Teachers' Day Celebrations

Teachers Day was celebrated on the campus on 5 September 2022. Sri Sarvepalli Radhakrishnan was paid tributes by all the faculty Club members of the college. Ph.D. awardees were given away mementos. Felicitation was done to the eminent personalities of our college who have attained the age of 60 years and the club also felicitated the newly married faculty.

"The miracle is this – the more we share, the more we have." - Leonard Nimoy

National Hackathon

24 Hours National Hackathon 2022, (SGH2022) was conducted in the College in association with AICTE, SPICES, IEEE, CSI and ISTE during 14-15 September 2022. Forty Six teams participated at National level. First Prize of Rs.10,000 was bagged by SRGEC, 2nd Prize of Rs.7,500 was bagged by MIC, Kanchikacherla and LBRCE, Mylavaram and the 3rd prize of Rs.5,000 was grabbed by St Joseph College, Chennai.

Giving away the certificates to the winners of Hackathon 2022

Engineers' Day Celebrations

Engineers' Day was celebrated on the campus in the name of Sir Mokshagundam Visvasvarayya on 15 September 2022. This day is celebrated to recognize the achievements of Sri Visvesvarayya. A.P, R&B Circle Superintendent Engineer (SE) Er G John Moshe was the Chief Guest at this event. On the occasion of Engineers Day on 15th September 2022, Lions Club of Gudlavalleru, felicitated Dr. P. Kodanda Rama Rao, Vice Principal-Administration, Vice Principal- Academics Dr. MRCH Sastry.

Certification Programme on Industrial Automation

ARC2022 Advanced Certification on Emerging Technologies International Internship Session for EE, ME and ECE students was conducted on the topic "Industrial Automation" by Mr. J. Jegathesan, Senior Didactic Trainer, FESTO and Mr. T Vamsi Kalyan during 26 - 27 September 2022.

Workshop on Electrical Vehicle Performance

A workshop was organised on Electric Vehicle- Performance Test /Trail Run of Vehicles in Campus, by Dept. of EEE, ME and ECE and was conducted by Vihaan Electrix, Visakhapatnam in association with IETE Vijayawada Centre and SAEINDIA during 26- 28 September 2022

Student Induction Programme-2022

Student Induction Programme (SIP-2022) was conducted for the first B. Tech. for the newly joined students of the college for 2 weeks from 26 September 2022. In this programme, sessions such as Personality Development by Mr. Sandra Sudheer, a talk on "Physical Fitness through Sports and Games" by Dr. Rama Subba Reddy, "Yoga-Meditation and India Heritage and Culture" by Motivational Speakers Sri Raghu Guruji, "Life Skills for Individual Growth" by Dr. M V G Anjeneyulu, "Role of Youth in National Integrity" by Sri V V Laxminarayana, "Village Development-Gandhi Grama Swarajyam" by Dr.Bandaru Shyam, Motivational session by Sri Pradeep Kumar, cine actor who acted in the movie F2 Movie and popular with the dialogue "anthega...anthega", "Gender Sensitization" by Smt G.Padmakala, interactive session by Er. Anil Kumar Burra, Munich, Germany, Alumni of our college, "Inner Body Cleaning and Mind Piece" by Dr. Lila Purushottam Das, IIT, Mandi. Prof M Kamaraju, of ECE department and Dr. S. Suresh of BS&H coordinated the programmes.

Inauguration of Innovation and Incubation Cell

"Innovation and Incubation Cell" of the college was inaugurated by Sri V V Lakshmi Narayana, (Former Joint Director, CBI on 1st October 2022. Dr. B. Mahesh Babu, EEE, is assigned as the in-charge for this cell.

MoU with Fopple Drone Tech. Pvt. Ltd

College made an MoU with "Fopple Drone Tech. Pvt. Ltd." on 1 October 2022. College officials exchanged MoU copies with CEO of FOPPLE, Mr. Gopi Raja who is widely known as Drone Raja and Govil Alok, CEO, ACIC KL Startup Foundation.

Sri VV Lakshmi Narayana addressing the gathering

National Level Ideathon 2022

In remembrance of Dr. ABJ Abdul Kalam, National Level Ideathon 2022 was organized by Innovation and Incubation Cell on 15 October 2022. The Chief Guest and Guest of Honor were Mr Madhu Vadlamani, Data analytics specialist and Mr. U. Siddhartha Reddy, CEO, RoboGen, Visakhapatanam respectively. A total prize money of Rs.22,000/- Rupees were given away to all the prize winners.

"It is not what is poured into a student that counts but what is planted." - *Linda Conway*

Award to Dr. Potluri Ravindra Babu

Dr. Potluri Ravindra Babu, Advisor to the Management, SRGEC and Chairman of Society of Automotive Engineers India (#SAE India), Amaravathi Division, received an award from SAE India Southern Section, in appreciation for his leadership and helping them to achieve their "Last Mile Connectivity towards SAE India Southern Section." Besides awarding him, the jury also felicitated Dr Ravindra Babu on 16th October 2022 at Chennai.

Dr P Ravindra Babu receiving the Award

An MoU with NITTTR, Chennai

SRGEC made an MoU with NITTTR, Chennai on 19 October 2022. The MoU was signed by College

College officials taking the MoU from NITTR, Chennai

Principal, Dr.GVSNRV Prasad and Dr. Usha Natesan, Director, NITTTR. It helps the college and the industry to solve the societal challenges. The cooperative activities help in improving quality of teaching learning, evaluation methods, academic audits, accreditations and also training to the faculty members online, offline and in blended mode, on emerging and thrust areas. This will also help students and faculty members in conducting and participating in research projects, internships, webinars, workshops and conferences. Faculty members will be sent to NITTTR for short term courses to take part in research activities and improve the ongoing research projects. This memorandum will remain in effect for a period of 3 (three) years.

CLEAN 2.0 awareness campaign

SR Gudlavalleru Engineering College conducted CLEAN 2.0 awareness campaign in Seshadri Rao Gudlavalleru Village on 27 October 2022. Students took part in various activities such as cleaning the roads and raising slogans. They also spoke to the public on the importance of not using plastic. This programme was coordinated by NSS Programme Officer Dr V Naveen Kumar and supervised by Department of Physical Education.

National Unity Day

'Run for Unity' was conducted on the occasion of National Unity Day to commemorate the birth anniversary of Sardar Vallabhbhai Patel also known as Rashtriya Ekta Diwas on 31 October 2022 by Department of Physical Education & NSS of SRGEC. As a part of Unity Day Celebrations 'Run for Unity' a 3K Run was organized for boys and girls by Sports and NSS UNIT of the college. All the college officials, faculty, staff and students of the college have attended the event from 6 AM to 9 AM.

IETE Felicitation to Dr GVSNRV Prasad

Dr GVSNRV Prasad, Principal, was felicitated by IETE, Vijayawada Centre on the eve of IETE Foundation Day on 02 November 2022 at VRSEC, Vijayawada.

JNTUK University Badminton and Table Tennis Selections at SRGEC

JNTUK, Kakinada conducted JNTUK Table Tennis I/C Cum University Women Team Selections at SRGEC, Gudlavalleru on 6th November 2022. Mr M. Siva Sankar, Assistant Physical Director and his team conducted this event under the supervision of Dr. G. Syam Kumar, Secretary, University Sports Council, JNTUK, Kakinada. Principal, Dr GVSNRV Prasad and other college officials attented the event. 30 Students from eight districts were finally selected. The selected students participated in the Inter University tournaments conducted from 11-13 November 2022 at JAIN University, Bangalore. JNTUK conducted its University badminton selections at SRGEC under the supervision of Department of Physical Education. 35 students from different colleges affiliated to JNTUK Kakinada participated. The selected team will represent JNTUK, Kakinada in Inter University tournaments to be conducted at Mangalore University from 13-01-2023 to 17-01-2023.

"Tell me and I forget. Teach me and I remember. Involve me and I learn." - Benjamin Franklin

THRUSHNA-Talent Hunt-2022

IEEE Student Branch (STB63311) & IEEE PES (SBC63311) of Departments of ECE & EEE organized IEEE Student Talent Hunt-2022 'THRUSHNA' in association with IEEE Guntur Subsection on 24 November 2022. Principal, Dr GVSNRV Prasad, Vice Principals, Dr. P. Kodanda Rama Rao and Dr. MRCH Sastry and Dr. B. Karuna Kumar, Director, AS&A shared the Dias with the Chief Guest Er. G.V. Manoj Kumar, ITS, Director (Security) Ministry of Communications, Andhra Pradesh. The programme was coordinated by Dr M Kamaraju and Mr E Vargil Kumar and Dr T Anand Babu. ECE HoD, Dr Y Rama Krishna, EEE HoD Dr B Dasu, staff and students attended the session.

SRGEC Getting Star Rating

College had undertaken various activities prescribed by Innovation Cell, Ministry of Education, Government of India to promote Innovation and Start-up in campus during the IIC calendar year 2021-2022. For that, Ministry of Education, MoE's Innovation Cell, Government of India and Institution's Innovation Council (IIC), an Initiative of the Ministry of Human Resource Development (MHRD), Government of India have given 3 (***) Star rating for SRGEC – Gudlavalleru on 17 November 2022. Principal Dr Prasad appreciated all the Staff and Students for all their efforts.

Samanvay 2022

The Alumni Association of Gudlavalleru Engineering College (AAGEC) organized Samanvay 2022 (16th Alumni Meet) in Bengaluru on 19 November 2022. A total of 35 alumni members attended the Samanvay 2022. The program was coordinated by Sri G. Balaji, AAGEC Advisor, Sri D. Mahesh, AAGEC President and Sri Ch. Srinivasa Rao, Public Relations officer, SRGEC. The alumni gave valuable suggestions for the betterment of SRGEC students regarding academics, placements and innovation/research activities. Dr G.V.S.N.R.V. Prasad, Principal of SRGEC presented the latest updates regarding college infrastructure and recent activities conducted in SRGEC to the alumni. Alumni members were felicitated with an AAGEC memento as a token of remembrance.

Visit by Mr. Manglesh Yadav, Program Director, Atal Community Innovation Centres (ACIC)

Mr. Manglesh Yadav, Program Director, **Atal Community Innovation Centres (ACIC),** NITI Aayog, New Delhi, Government of India visited "Innovation and Incubation Cell" of SRGEC on 30 November 2022. Principal, Dr GVSNRV Prasad, Vice Principals, Dr.P.Kodanda Rama Rao and Dr. MRCH Sastry introduced and showed all the resources and central facilities available in the campus.

Students demonstrating their innovations to Maglesh Yadav

Awareness Programme on Scholarship Process

All the students of economically weaker section of the college were informed to gather at one place to explain the procedure to get Scholarships from North-South Foundation (NSF), Florida USA on 29 November 2022. Dr GVSNRV Prasad, the principal of the college, gave the welcome speech. NSF Vijayawada Chapter Coordinator Mr. Surapaneni Venkataratnam addressed the gathering and enlightened the students on various aspects of attaining scholarships. Vice Principal Dr. P. Kodanda Rama Rao and the other Lion members of Gudlavalleru and Vijayawada were also present

Innovations of SRGEC Students

SRGEC Students showcased their inventions at Atal Community Innovation Centre - KL Startups Foundation on 30 November 2022. SRGEC Principal Dr GVSNRV Prasad, 'Innovation and Incubation Cell' Coordinator Dr B Mahesh Babu and Public Relations Officer, Mr.Ch.Srinivasa Rao and other college officials visited the Venue.

Awareness Programme on Voter Enrollment

Personnel from Revenue Department of Gudivada, visited Seshadri Rao Gudlavalleru Engineering College to create awareness on voter enrollment among the first year students and interacted with them on 6 December 2022. They explained the procedure to get enrolled as a voter. SRGEC Principal, Dr GVSNRV Prasad explained the importance of the vote to the students. Vice Principal Dr. P.Kodanda Rama Rao and Senior professors attended.

"A teacher who is attempting to teach without inspiring the pupil with a desire to learn is hammering on cold iron." — Horace Mann

ISTE Awards to SRGEC Staff and Students

Indian Institute for Technical Education (ISTE), Andhra Pradesh Division, announced Best Student and Best Teacher awards for the year 2021 in the month December 2022. SRGEC bagged four awards. Prof VVKDV Prasad, was awarded in the Best Teacher category, Ms Uduthu Manasa of CSE, in Talent and Excellence category, Ms Lakshmi Indrani Jaagarlamudi in Best Electronics and Communication student category, Ms. J. Deepthi of ECE, in Best Student Innovator category at a function held at Aditya Engineering College, Tekkali, Srikakulam. The recipients received the awards from the Chief Guest of the programme, Prof. K. Hemachandra Reddy, Chairman, AP State Council for Higher Education (APSCHE). Principal Dr GVSNRV Prasad lauded the awardees.

VVKDV Prasad receiving the award

Dr A P J Abdul Kalam award to Dr P. Kodanda Rama Rao

Prof. P. Kodanda Rama Rao, Vice Principal (Admin) of SRGEC was honored with 'Eminent Professor' A.P.J.Abdul

Kalam Memorial Award for the year 2022 by Sai Radha Krishna Educational Society, Tirupati on 11 December 2022. Principal, Dr. G.V.S.N.R.V.Prasad, college officials, and staff congratulated Dr. P. Kodanda Rama Rao.

DISA... a way forward

Department of Information Technology organized "DISA... a way forward", a career building programme for I B.Tech students on behalf of GEC Alumni Association on 17-12-22. Mr. Dhara Mahesh, Alumni President and also alumni of IT, Mr T. Pujith Rohith, Mr. B. Naveen and Mr L. Yogesh Kumar addressed the gathering and later interacted with them, cleared their doubts and gave gifts in brain storming sessions conducted by the President.

Dr P Kodanda Rama Rao receiving the Kalam Award

Department of CE organized "DISA a way forward", a career building programme for I B.Tech. students on behalf of GEC Alumni Association on 17-12-22. This year, Mr G Sukumar (16485A0144, 2015 batch) interacted with the students.

DISA programme was started on 22nd November 2008 with the purpose of guiding the first B.Tech. students through all the four years of their study in this college and for the betterment of their careers.

The following points are highlighted in DISA Programme:

1. the budding steps an engineering student needs to take during four years of his/her study.
2. the expectations of the industry from an engineering graduate and how an engineer should adapt to changing industry expectations.
3. Various career options available for engineers in the light of present economy and educational system.

Guest Lecture on Future Engineering and Skills Required

A Guest Lecture was arranged on the theme "Future Engineering Jobs Knowledge and Skills Required" by Mechanical, Electrical and Electronics departments for the II B.Tech. students. Dr. N. Siva Prasad, Retired Professor, IITM, Chennai was the speaker.

'HELP' - Heartfulness Experience Life's Potential

A Personality Development Programme to enhance the life skills of students, 'HELP' – 'Heartfulness Experience Life's Potential' was conducted for the II B.Tech. students of all Engineering Branches during 21-23 December 2022. Mr G. Divya Darshan and Mr G.V. Rao, Trainer-Meditation, Life skills, Leadership Mastery interacted with the students. It was conducted by Heartfulness Educational Trust.

"If you think education is expensive, try ignorance." - Derek Bok

Inauguration of Drone Club

Dept. of Internet of Things (IoT) started a DRONE Club on 23 September 2022. It was inaugurated by Mr. Gopi Raja, who is popularly known as DRONE Raja, CEO of Fopple Drone Tech. Pvt. Ltd. On this occasion, a Two Day workshop on DRONES was organized by Department of Internet of Things (IoT) in association with PATRIOT, IETE and DRONES CLUB of SRGEC on 24 September 2022. CEO of Fopple Drone Tech. Pvt. Ltd., Mr. Gopi Raja, assisted students in assembling the Drones.

New Year Day celebrations

The eve of New Year Day was celebrated on 31 December 2022 on the campus. SRGEC Faculty Club organized the event. It was coordinated by the Secretary Mr. Md. Rafi Khan. New Year College Dairy was inaugurated on this occasion.

Freshers' Day
Civil Engineering

❋ II B. Tech I Semester Civil Engineering students organised "FRESHERS DAY" to I B. Tech students on 13-12-2022.

Master of Business Administration

❋ Department of Business and Management Studies celebrated 'Freshers' Day' on 30th of December 2022. This Fresher's Day was filled with excitement, joy, music, enthusiasm, laughter and happiness. The inauguration of event started by college dignitaries Dr. G.V.S.N.R.V. Prassd, Principal, Dr. P. Kodanda Rama Rao, Vice-Principal (Administration), Dr. MR. Ch. Sastry, Vice-Principal (Academics) and Dr. Ch. Nirmal Chand, Professor and Head of MBA.

Azadi Ka Amruth Mahotsav Celebrations

Azadi Ka Amrit Mahotsav is an initiative of the Government of India to celebrate and commemorate 75 years of independence and the glorious history of its people, culture and achievements.

This Mahotsav is dedicated to the people of India who have not only been instrumental in bringing India thus far in its evolutionary journey but also hold within them the power and potential to enable Prime Minister Narendra Modi's vision of activating India 2.0, fuelled by the spirit of Aatmanirbhar Bharat.

While India was celebrating Azadi Ka Amruth Mahotsav, SR Gudlavallelru Engineering College also wanted to get immersed in the celebrations and make the students realize the spirit, enthusiasm, audacity, and sacrifices of our people during freedom struggle movement. As a part of the celebrations, 13 events/competitions were conducted for the students' within the college campus and outside the college where more than 1000 participants participated. The events/competitions were: Rally, Heritage Walk, 5 K Run (Boys), 3k Run (Girls), Drawing, Patriotic Songs, Mono Action, Exhibiting Patriotism Theme, Short Film, Elocution, Debate, Essay writing, Visit to the native place of Sri. Pingali Venkaiah (Designer of Indian National Flag). A brief note on the programmes is as follows:

Heritage Walk cum Rally

Heritage walks and rallies marked the Azadi Ka Amrit Mahotsav celebrations at Gudlavalleru, Krishna district. There was huge response from the students where more than 800 students participated in the event.

5K & 3K Run

The 5K and 3K run is a competition over a distance of five and three kilometers. These 5K and 3K runs are mostly popular to celebrate or remind something that has got some historic importance. The college conducted 5K Run for the boys and 3K Run for the girls. More than 129 students participated in the competition. The list of the winners is as follows:

❋ In this event of 5K Run for Boys, B. Pandu of AIML (21481A4207) secured the first prize and T. Venkateswara Rao of Civil (21481A0165) obtained the second prize.

❋ In Girls' event of 3K Run, M Srivani from MBA (21481E0037) and Grace Vijaya of CSE (21481A0504) obtained the first and second prizes respectively.

"The whole purpose of education is to turn mirrors into windows." - Sydney J. Harris

Drawing

* Drawing is always a part of fests and celebrations. In this regard, the college conducted drawing competitions on the theme of Azazi and Freedom. More than 50 registered and 10 students participated in the event. D Pragna of AIDS (21481A5421) and A Aravind (21485A0102) of Civil secured the first and second prizes respectively.

Patriotic Songs

* Patriotic songs showcase love and respect towards our mother land. It expresses our devotion and vigorous support towards our own country. Patriotic songs encourage you to do something good for your own country. It brings a sense of fulfillment and responsibility towards your country. Thus, the college conducted this competition. 6 out of 23 took part in it. In this event, D Aakanksha Sai of AI & ML (21481A4214) grabbed the first prize and D Uma Kayayani of CSE (21481A0560) got the second prize.

Mono action

* Mono acting is a very interesting art which involves both acting as well as intelligence. It helps students in developing their personality and improving their acting as well as recitation skills. The college conducted this competition on the theme of Freedom and its movement. 4 students took part in the event. In this Mono Action event, Kadimi Meghana of AI&DS (21481A5441) secured the first prize and P Ramana Reddy of Civil (21485A0123) obtained the second prize.

Exhibiting Patriotism Theme

* Artists and art lovers across the college to take part in a unique competition called Exhibit of patriotism. More than seven students registered and two participated in the event. I Nissi Evangeline of IT (21481A1258) got the first prize and R Viswas of CSE (21481A05O9) got the second prize.

Short Film

* The college provided a platform for the students to showcase their creativity in the form of short films. The students are asked to work in groups. The event was conducted on the theme of patriotism and 25 students participated in the event.
* L Navodhar and Group (21481A05B7), K.V.S Pavan Kalyan (21481A0588) and J. T. V. Rama Narayana (21481A0586) of CSE won the first prize where as M Ajay Kumar and Group (21481A04D7), J Sarath Chandra (21481A0482), K Sai Teja (21481A04A0), M. V. S. S. Pavan Kumar (21481A04E2) and K Abhishek (21481A04B8) of ECE won the second prize.

Elocution

* Coming to Elocution contest, 25 students registered their names and 13 students turned up for the event. The participants made their presence felt with their vibrant views on the topic given to them. It was a great time for the judges and audience listening to their ignited ideas. The assigned topic is: **Does Independence Day mean just a public holiday to Indians?** In this event, M Nikitha of AIML (21481A4245) won the first prize and I Nissi Evangeline of IT (21481A1258) won the second prize.

Debate

Debating is a skill. If debate runs in a structured way, it will be eye-feasting. With a sense of great zeal, several students took part in this event. As many as 40 students registered for this event and 10 participants were getting into the ring. The topic given for the debate was:

We celebrate Independence Day, but are we really independent? As the topic was quite interesting, the participants partook in the contest with full of enthusiasm. Structured heated arguments were evident in the competition. The winners of this event were S Abhinaya of IT (21481A12E2) and L Phani of CSE (21481A05B8), first prize and T Likitha of CSE (21481A05M0) and G. B. S. N. V. Durga Anil of CSE (21481A0572), the second prize.

Essay Writing

20 students participated in the Essay Writing competition. The participants penned their cogent ideas on the topic, Independence Day: Why is it a significant day for Indians? The following students, with their convincing ideas, could become the winners of this event. First prize to P Hanna Esther of AIDS (21481A5435) and the second prize to M Nikitha of AIML (21481A4245)

"Who dares to teach must never cease to learn." - John Cotton Dana

Visit to the native place of Sri. Pingali Venkaiah (Designer of Indian National Flag)

Pingali Venkayya who was a freedom fighter and the designer of the Indian National Tricolour went on to become synonymous with the spirit of free and independent India. The national flag that we see today was based upon his design.

Hence, on the occassion of "Azadi ka Amrit Mahotsav" the SRGEC Faculty members and Students of various engineering branches visited Bhatlapenumarru, the native place of Sri. Pingali Venkaiah (Designer of Indian National Flag) on 12 September 2022

Parents' Meet

Civil Engineering

⁕ Parents meet was organized on 12 November 2022 to discuss the performance of the students in academics and college activities.

Electrical and Electronics Engineering

⁕ A parents' meet was conducted on 14 November 2022 to discuss the enrichment strategies to support students learning.

ELT CENTRE'S ACTIVITIES

Awards ceremony for FDP SC (Batch 1)

On 8 August 2022, an awards ceremony was held for the 11 faculty members who had successfully completed the FDP on Scholarly Communication (SC) in Batch 1. Dr Nageswara Rao, Vallurupalli, SRGEC Chairman, presented certificates to the trainees. The course was designed and taught by Dr P Ramanujam, Director, ELT Centre, with administrative support from Mr Raja Kumar, Secretary, ELT Centre, and Programme Coordinator.

SC (Batch 1) was a rigorously-conducted course with 50 instructional hours and 3 months of research apprenticeship culminating in a research presentation by each trainee and its assessment by a panel headed by Director R&D. It had a strong formative-assessment component consisting of 100 marks for research apprenticeship, 50 marks for

Chairman Dr Nageswara Rao Vallurupalli giving away the prizes to the topper of FDP SC (Batch - 1)

each of the two tests, 50 marks for the assignments, and 50 marks for the trainees' reflections on their scholarly communication experiences posted on our online forum hosted by Facebook. They were also required to submit a 1000-word research apprenticeship report. All these formative assessment components were complemented by a summative assessment. Given this 5-pronged structure, the trainees had to work hard, and they did so during a time when the threat from the Coronavirus was looming large. The highest grade obtained in the batch was B+, and it was achieved by both Mr I Lakshmi Narayana (IT) and Ms A Aparna (CSE), scoring an overall percentage of 61.3.

'SC is quite unlike the other FDP phases of the ELT Centre,' said Dr Ramanujam in his report on the programme. 'Given the course design, all the departments of the college will have to come together in the course delivery and share their expertise; otherwise, research apprenticeship will not be possible. The departments are only too willing, and, on this occasion, it's my pleasant duty to thank all the research mentors and the HoDs.'

"Teaching is not a lost art, but the regard for it is a lost tradition." - Jacques Barzun

Inauguration of FDP SC (Batch 2)

Batch 2 of FDP Scholarly Communication was inaugurated by Dr Nageswara Rao Vallurupalli, Chairman, on 8 August 2022. The FDP was offered from July to November 2022 with 10 faculty members who had already successfully completed both Oral and Written Communication programmes as trainees.

Workshop on 'Developing Critical Reading Comprehension'

This workshop, which commenced on 23 August 2022 with sessions on Tuesday afternoons, and with Dr Ramanujam Parthasarathy, Director, ELT Centre, as the resource person, is still in progress with occasional pauses necessitated by a few other programmes, discussions, and examination duties of the faculty members.

Dr Ramanujam Parthasarathy conducting the Workshop

Developing higher order reading skills – the critical thinking skills of the kind that Bloom's taxonomy envisages – in students has been one of the chief concerns of the ELT Centre ever since its inception. The skills, which include logical reasoning, inferring, predicting, evaluating, interpreting ideas, pinpointing attitudes, unravelling a writer's bias, and identifying tones and moods are incorporated into the two courses designed for I BTech. The purpose of the workshop is (a) to acquaint the teachers of the Dept of English with these higher-order RC skills as well as the issues involved in reading at higher levels; (b) to give them hands-on training in developing these skills; and (c) to explore a /four-pronged strategy developed by the ELTC Director to address the twin issues of reading and language problems which seem to act as a major barrier to our students developing higher-order RC skills.

The workshop has six thrust areas:

1. Aims of reading and skills to be developed
2. Higher-order RC skills
3. From discussion to practice
4. Some pedagogical issues in developing higher-order RC: A four-pronged strategy
5. Using the mother-tongue in developing reading
6. Promoting extensive reading

Valediction of the workshop on 'Academic Reflection Skills'

On 28 August 2022, at the valedictory ceremony of the 16-hour workshop on 'Academic Reflection Skills,' held

Principal Dr. G.V.S.N.R.V Prasad addressing the faculty

from 7 June to 2 August 22 with Dr Ramanujam Parthasarathy, ELTC Director, as the resource person, Dr GVSNRV Prasad, Principal, congratulated the participants as well as complimented the ELT Centre on striving hard for the professional development of the faculty members of the Department of English. He also presented certificates to all the participants.

The focus of the workshop was on developing academic reflection skills in the teachers of the Department of English so that they could train the mentors and mentees on the Centre's Peer Mentoring (PM) programme in reflecting on their PM experiences in a purposeful way and recording their reflections on the Centre's online forum, 'GEC Peer Mentoring,' as well as on their blogs. The workshop took place in six sessions with the following thrust areas:

"In learning you will teach, and in teaching you will learn." - *Phil Collins*

1. Discussion on thinking and reflecting

2. Brainstorming the question, 'What skills does reflection on one's teaching call for?'

3. Analysing the reflections of good teachers to identify academic reflection skills

4. Reflecting on one's own practices as a teacher

5. Facilitating peer mentoring reflections

6. Commenting on students' PM reflections

The Centre finds that a workshop of this kind spreading over several days with a two-hour session on each day represents a better model as there is scope for participants carrying out the set tasks at home and then making presentations at the workshop.

FDP on Written Communication, Batch 4

Batch 4 of the 80-hour FDP on Written Communication commenced on 14 October 2022 with nine trainees. More information about the programme, including its inauguration and valediction both of which took place outside the period of coverage of this issue of the newsletter, will be reported in the next issue.

Workshop on 'ELT Textbook Selection and Evaluation'

Considering that syllabus revision and the consequent textbook selection were in the offing, a 5-hour workshop on 'ELT Textbook Selection and Evaluation' was conducted for the faculty members of the Department of English on 8, 15 & 22 Nov 2022.

At the workshop, the participants, led by the workshop facilitator, Dr Ramanujam Parthasarathy, reviewed the issues involved in the design and implementation of ELT textbooks, which had already been discussed in an earlier workshop on the theme five years ago, developed a reliable set of criteria for evaluation and selection of textbooks so that teachers could demystify textbooks and gain greater control over them, and examined a few commercially produced textbooks in terms of the criteria.

PUBLICATIONS

Dr Ramanujam Parthasarathy, Director, has published a research paper on 'Developing expertise through reflective practice,' as a book chapter in *Continuing Professional Development of English Language Teachers: Perspectives and Practices from India*, Springer. (ISBN: 978-981-19-5068-1). The book was launched in December 2022.

EVENTS HELD AT THE ELTC LIBRARY

Book review

On 28 October 2022, at the fortnightly meeting of the Book Lovers' Club of the ELT Centre, a book review was held. Mr Ch Nagarjuna, Assistant Professor of English, reviewed *The Family*, which is a 2001 historical novel written by Mario Puzo, the legendary author of 'The Godfather.' Set in Rome in the last years of the 15th century, the novel deals with the story of the most incredible crime family in Italian history. Faculty members from the Department of English and a few others attended the review and took part in the discussion.

Mr Ch Nagarjuna giving a book talk

Discussion on technology vis-à-vis the human teacher

On 25 November 2022, the Book Lovers' Club of the ELT Centre organized an insightful discussion on the question, 'Do you think technology will replace the human teacher in the foreseeable future?' The club usually conducts discussions with faculty members as participants. But, this time, students were also invited. More than 15 students from various branches of engineering took part in the discussion with great enthusiasm. They came prepared with notes and expressed their ideas persuasively.

"Teaching is only demonstrating that it is possible. Learning is making it possible for yourself." — Paulo Coelho

Is there really any need at all for human teachers in the education system? Is there any justification for the teaching-learning process being carried on in a face-to-face manner inside a classroom, as it has been carried on for centuries so far? Questions of this kind are becoming louder and louder now because we live in an ICT world in which technology takes to remote corners of the world the best possible teaching available on any branch of knowledge. During the Corona pandemic, technology opened up possibilities which had not been thought of earlier. And even now, when the epidemic seems to be on the wane, those possibilities continue. Given this overwhelming influence, one cannot help wondering whether the teacher's place will be taken by technology in the near future.

Students Participating in the Debate

It was a spirited debate. Besides the students, the participation of the faculty members of the Department of English and a few faculty members from the other departments added value to the debate. The discussion highlighted various advantages of the teacher over technology and the shortcomings of technology vis-à-vis the human teacher. A majority of the participants believed that while technology can facilitate effective learning, it cannot replace the human teacher in the foreseeable future.

ALUMNI ASSOCIATION ACTIVITIES

Civil Engineering

* Alumni Association of SR GEC organized "DISA" program on 17 December 2022. The program was commenced with warm welcome to alumni members by Dr. G.V.S.N.R.V. Prasad, Principal and Dr. A. Sreenivasulu, HoD, Civil Engineering.

Mechanical Engineering

* College alumni **Mr. N.Naidu Babu,** (2018 Batch) Material Management, Ordnance Factory, Madhya Pradesh and **Mr.K.Veera Babu**, (2013 Batch) Senior Testing Engineer VJ Course, Pune interacted with the students on the topic "**Industrial Opportunities in Mechanical Engineering**" on 28 November 2022.

Alimni member addressing the students

* College alumni **Mr.Mohammad Imran,** UST International Pvt., Ltd. gave a lecture on **"A Career Building Programme for Budding Engineers"** for II & III B. Tech students on 17 December 2022.

Information Technology

* **MrE.Rama Krishna** (06481A1224), Lead Software Engineer, Qvantel Technologies, Hyderabad interacted with III B.Tech students and gave lecture on "**React JS Concepts**" as part of Student Induction program on 19 November 2022.

* **Mr.D.Mahesh** (07481A1216), Director, Product Engineering, Forecast Era Technologies Pvt Ltd, Hyderabad; **Mr.T.Pujith** (15481A12A4), Analyst, Accenture Solutions Pvt Ltd, Hyderabad, **Mr.B.Naveen** (15481A1217), Motivational trainer, COIGT Technologies, Hyderabad, **Mr.B.Naveen** (15481A1217), Motivational trainer at COIGN Technologies, Hyderabad gave motivational lecture on "**Career Guidance program-DISA**" for I B. Tech students on 17 December 2022.

"Live as if you were to die tomorrow; Learn as if you were to live forever." - *Mahatma Gandhi*

STUDENTS NEWS

An awareness program on GATE

An awareness program on "The Graduate Aptitude Test in Engineering (GATE)" was conducted for all the II and IV B.Tech. students on 1 November 2022.

Achievements/ Awards

Electronics and Communication Engineering

- **P.Ambica Soni** (21481A04J7), **P.Kusuma Sri** (21481A04I9) and **P.Sushmitha** (21481A04I4) won the **Third Prize** in Quiz in MATHOPHILIA 2022 organized by Department of Mathematics & Statistics, KBN College from 21-22 December 2022.
- **J.LakshmiIndrani** (17481A0477) received **Best ECE student** award from ISTE at AITAM, Tekkali on 10 December 2022.
- **J.Deepthi** (17481A04J8) received AITAM State Award for **Best Innovator** from AP Engineering Colleges at AITAM, Tekkali on 10 December 2022.
- **B. Y. L. Nithya** (20481A0432), **Ch. Tejaswini** (20481A0458) won the **First Prize** in Poster Presentation on "Bionics & Implant Devices" organized by V R Siddhartha Engineering College in association with IIC (Institution Innovation Council) on 15 October 2022.
- **T.Ashok** (20481A04M8), **P.Bhargav Sai** (20481A04J3), **Y.Nagaraju** (20481A04P2) presented a poster on Wireless Charging in IIC (Institution Innovation Council) organized by V R Siddhartha Engineering College on 15 October 2022.
- **N. Harika** (20481A04G4), **M. Anjali** (20481A04E5) gave a poster presentation on Developing of Slums in IIC (Institution Innovation Council) organized by V R Siddhartha Engineering College on 15 October 2022.
- **M.Sai Suma** (20481A04F7), **N.Monika** (20481A04G6) participated in Poster Presentation on "Renewable Energy in IIC (Institution Innovation Council)" organized by V R Siddhartha Engineering College on 15 October 2022.
- **Y.Gopi** (20481A04P1), **D.Satya Prabhas** (20481A04K7), **U.Pradeep** (20481A04N0), **V.Ganesh** (20481A04O0), **V.S.V.HariCharan** (20481A04N6) presented a paper on Saline Level Monitoring & Alert Syste in "IDEATE2HACK" organized by V R Siddhartha Engineering College from 13 – 14 October 2022.

SR GEC IDEATHON-2022 was conducted on 15 October 2022 and the students of ECE presented papers on various topics:

- **P. Himasri** (20481A04I9), **P. Swetha** (20481A04H9) on "Solar Roadways". **P.Vandana** (20481A04H6), **P.Rajani** (20481A04H3) on "Battery", **P.Sudarshan** (20481A04J0), **M.Manikanta** (20481A04F6) on "Waste Management", **G.Kedar** (20481A0483), **K.Sridevi** (20481A04C0) on "Embedded Systems in Automobiles", **R.Sai Sruthi** (19481A04J8), **U.Sumanth (**20485A0424) on "XENOBOTS", **Ch.LokaSravani** (20481A0452) on "Clean and Portable Water (Restore main Resource)", **M.Swathi** (20481A04F5) on "Automated Fire Fighting Robot".
- **A. Vijay Rohit** (20481A0416), **B.Roshitha Raj** (20481A0439) bagged the **First Prize** in Paper Presentation contest in SRGEC IDEATHON-2022.
- **G. NavyaSree** (20481A0486), **G.Akhila** (20481A0490) and **K.Srivarsha** (20481A04B5) received the **Third Prize** in Poster Presentation on "Electric Mobility" in SRGEC IDEATHON 2022.
- **S.Sai Lakshmi Prasanna** (19481A04K6), **S.Samyuktha** (19481A04K7) and **R.Sai Sruthi** (19481A04K8) won the **First Prize** and **D.Vivek** (20485A0404), **Y.Jagadeep** (20481A04O8) and **Y.Jayadeep** (20481A04O9) won the **Second Prize** in Extempore organized by the Department of ECE, SR GEC in association with ECSat on 2 September 2022.
- **A.Vijay Rohith** (20481A0416), **R.Varun Kumar** (20481A04J5), **Sk.Yaseen Roshan** (20481A04L4), **V.Vinay Guru Charan** (20481A04N7), **V.Pranay Roshan** (20481A04N8) won the **First Prize** and **D.Y.Karthikeswar** (19481A0449), **Ch.Krishna Saran** (19481A0439), **G.YuvaPhani Balaji** (19481A0465), **D.Vivek (**20485A0404) received the **Second Prize** and **M.Divya Naga Sri** (19481A04F0), **Nd.Aqeela Farqana** (19481A04E8), **P.Yoga Yamini** (19481A04H5), **M.Venkata Manoj** (19481A04D5) won consolation prize in Group Discussion organized by the Department of ECE, SRGEC in association with ECSat on 3 September 2022.

"If we teach today's students as we taught yesterday's, we rob them of tomorrow." - John Dewey

- **B.Y.L.Nithya**(20481A0432), **Ch.Tejaswin**i (20481A0458) won the **First Prize** and **M.Snehitha** (20481A04C8), **K.KeerthiSrujana** (20481A04B0) won the **Second Prize** in Poster Presentation organized by the Department of ECE, SRGEC in association with Electronics Hobby Club on 6 September 2022.

- **R.Sai Sruthi** (19481A04J8), **U.Sumanth** (20485A0424) won the **First Prize and T. Hima Bindu** (21485A0422), **V. Sailaja** (21485A0426) got the Second Prize and **K. Narshima** (19481A04C1), **G. Janardhan** (19481A0470) received consolation prize in Paper Presentation contest organized by the Department of ECE, SRGEC, Gudlavalleru in association with IE(I) on 7 September 2022.

- **K.Bhagya Sri** (19481A0421), **D.Shabeena Begum** (19481A0454), **A.Uday Ravi Suhas** (19481A0403), B.Subhas (19481A0414) won the **First Prize** and **G.G.V.S.Vardhan Kumar** (19481A0406), **A.Nandini** (19481A0406), **A.Dakshayini** (20485A0402), **Ch.Kavya** (19481A0441) won the **Second Prize** in Model Presentation organized by the Department of ECE, SRGEC in association with Electronics Hobby Club on 8 September 2022.

- **B.Durga Prasad** (20481A0427**), Ch.Anusha** (21485A0403) won the **First Prize** and **D.Vivek** (20485A0404) got the **Second Prize** in the Video Promo Competition on the topic "The Technological Evolution in Electronics and Communication" organized by the Department of ECE, SRGEC, Gudlavalleru in association with IE(I) on 13 September 2022.

- **Mohammad Nazma Sultana** (20485A0413), **Naziya Parveen** (20485A0414) won the **First Prize** and **Pulleti Sai Aashritha** (20485A0417), **Padamata Hemadevi** (20485A0415) got the Second Prize and **Pinjala Venkata Kalyani** (20485A0416), **Uddanti Kavya Sri** (20485A042) received the consolation prize in the "Technical Quiz" organized by the Department of ECE, SRGEC on 7 (Preliminary round), 9(Technical JAM) 13 September 2022 (Final round) in association with IETE (Students Chapter) on the eve of Engineer's Day Celebrations.

VALIANT 2K22, A National Level Student Technical Symposium organized by Vishnu Institute of Technology from 22-23 December 2022. Student of ECE participated in various events in the symposium and bagged prizes:

- **G.Vanitha** (21481A0459) and **Ch.Kusuma** (21481A0442) won the **Second Prize** in "Fox Hunt". **K.Hruthika** (21481A0497), **A.Hemanth Sai Vardhan** (21481A0409), **I.Abhishek** (21481A0478), **J.N.S.Harshitha** (21481A0480), **I.S.K.N.B.Manikanta** (21481A0477**) K.Bhanu Sandeep** (21481A0489), **K.Niharika** (21481A04A3), **K.Sirisha** (21481A04A4), **G.Aruna** (21481A0458) and **K.Manogna** (21481A0490) participated in the event.

- **D.NagaBrahmam** (21481A0453), **K.Vijay Ram Prasad** (21481A04N3), **R.Lakshmandu Naik** (21481A04J8), **Y.Vijay Babu** (21481A04O3) and **T.Sri Datta Sai Praveen** (21481A04M1) participated in "Code Hunt".

- **Sk.Inthiyaz** (21481A04L4) participated in "LABVIEW WHIZZ" and **K.Manogna** (21481A0490) participated in Business Minds, **J.Revanth Sri Sai Ganesh** (21481A0483) participated in "Break the Query".

The following students bagged various prizes in the events conducted by V.K.R, V.N.B & A.G.K College of Engineering from 22-23 September 2022 on the occasion of IETE (ISF Annual Day celebrations):

- **B.Y.L.Nithya** (20481A0432), **Ch.Tejaswini** (20481A0458) presented a poster on "Bionics & Implant Devices" and won the **First Prize**.

- **A.Vijay Rohit** (20481A0416), **B.Roshitha Raj** (20481A0439) presented a poster on "Humanoid Robots" and won the **First Prize**.

- **Y.Jagadeep** (20481A04O8), **Y.Jayadeep** (20481A04O9) presented a poster on "The James Webb Space Telescope" and bagged the **Second Prize**.

- **Y.Gopi** (20481A04P1), **M.Mukesh vamsi** (20481A04D6), **P.Hema Devi** (21485A0415**), S.Karthikeya** (20481A04k5) **R.V.S.Chandra** (20481A04J9) won the **First Prize** in QUIZ.

- **Y.Chandra Sekhar** (20481A04O4), **V.Ganesh** (20481A04O0), **D.Satya Prabhas** (20481A04K7), **B.L.Naga Sai** (19481A04C4), **V.S.V.Hari Charan** (20481A04N6) received the **Second Prize** in QUIZ.

- **P.Divya** (19481A04H2), **M.S.Kumar Reddy** (19481A04E0) **P. Sai Aashritha** participated in QUIZ.

- **M.Siva Rama Prasad** (20481A04E2), **M.Y.N.V.V. Prasad** (20481A04G0) presented a paper on Silent Sound Technology; **B.Sivani** (20481A0441), **Sk.Vassem** on Life on Mars; **P.Yaswitha** (21485A0418), **N.L.Pavani** on Artificial Intelligence; **N.Navya Sree** (21485A0414) on Home Automation using IoT; **V.Praveen** (20481A04N8), **P.Pranavi** on Aurdino; **K.Sridevi** (20481A04C0), **P.Rajani** (20481A04H3) on Human Augmentation; **B. Sivani** (20481A0441), **Sk.Vassem** (20481A04L3) on Life on Mars; **K.Chandra Mouli**

(20481A04C1) on Nano Technology; **D. Noel Suhas Raj** (20481A0470) on Smart Watches; **Abdul Musharaf** (20481A0402), **A.Vijay Rohit** (20481A0416) on Future of Artificial Intelligence; **B.Sivani** (20481A0441), **Ch.Anusha** (21485A0403) on Smart Sensors & Applications; **Ch.Sravani** (20481A0452), **A.Srilakshmi** (20481A0421) on Micro-Electronic Capsule; **B.Durga Prasad** (20481A0427) on Automatic Braking System.

Computer Science and Engineering

* **U.Manasa** (17481A05I3) received **ISTE State Award** for an ideal student of talent and excellence from engineering colleges in A.P. (ISTE).
* **Suryadevara Basaveswara Mukesh** (19481A05M9) got selected in Commuvault as a software engineer with a **package of 31.7** lakh per annum.
* 10 students of Computer Sciemce Engineering got qualified in **GATE 2023.**
* **Balasankaru Golla** (19481A0563) secured all India **rank of 2176 in GATE 2023.**
* 84 students of Computer Sciemce Engineering got placed with a package ranging from 5 to 10 lakh per annum in prominent MNCs.

Information Technology

The following students successfully completed online certification course "**Azure AI Fundamentals**" conducted by Microsoft during September –October 2022.

Roll Number	Name of the Student	Roll Number	Name of the Student
20481A1203	A.Dharshitha	20481A1240	E. Anantha Lakshmi
20481A1255	G.D Surendra Kumar	20481A1264	J.SriSandya
20481A12A5	M. Hemanth	20481A12D	P. Ganesh Kumar
20481A12D8	P.L.V Subrahmanyam	20481A12E8	P.Pravallika
20481A12F9	S. SaiKarthik	20481A12G6	Sk. Mohammad Sadiq
20481A12H4	T.Divya	20481A12H5	T. Hitesh
20481A12H8	U. Radha Krishna	20481A12H9	U. Mohan Lal
20481A12I3	V.Bhavana	20481A12I6	R.VenkataSai Pavan
20481A12J1	Y.V.Rama Phanindra		

The following students successfully completed online certification course "**PYTHON MPC"** conducted by GUVI, Google for Education partner on 19 November 2022

Roll Number	Name of the Student	Roll Number	Name of the Student
21485A1201	Abdul Farid baba	20481A1203	Ankam Dharshitha
20481A1208	Bhumika	20481A1215	Beulah Pallapothu
21485A1216	Shaik Shabana Begum	21485A1217	SontiSindhu
20481A1226	Chellinki Sandeep	20481A1232	Daggupati Chihnitha
20481A1240	E. Anantha Lakshmi	20481A12C2	Musunuri Divyasri
20481A12A5	Hemanth Mandarapu	20481A12D0	Nethala Sandhya
20481A12D6	Parasa Saikalyani	20481A12D7	P.K.S.V.Satyakalyani
20481A12D8	P.L.V.Subrahmanyam	20481A12E0	Paruchuri Pravallika
20481A12E2	P Lakshmi Pravallika	20481A12E4	P.Sriram
20481A12E8	Podugu Pravallika	20481A12F7	Remalla Akhila
20481A12F1	P. R. Sri Venkatasai	20481A12F2	Prudhvi Arupya
20481A12G2	Seguvenkatalekhya	20481A12G5	Shaik Mahirunnisa
20481A12H2	Lokesh Sai Kumar	20481A12H3	Saiharshithatathineni
20481A12H8	Podugu Pravallika	20481A12I0	Vaishnavi Alla
20481A12I3	V.Bhavana	20481A12I5	Vemurisailakshmi
20481A12I7	Madhuri Vinjam	20481A12I9	Y. Dimple Tunvey Naidu
20481A12J2	Y.Chandrasena Reddy		

"Correction does much, but encouragement does more." - Johann Wolfgang von Goethe

Guest Lectures / Workshops / Seminars / Paper contests/ Project Exhibition

Conducted

Civil Engineering

* A one-day awareness program on **"Insights on IPR"** was organized in association with IIC Cell of SR GEC with the resource person, **Dr. S Eswar**, Asst. Prof. on 3 September 2022.
* A guest lecture was organized on the occasion of 55th Engineers' day on **"Smart Civil Engineering to Build a Better World"** with the resource person **Er. G. John Moshae** on 15 September 2022.
* A five-day SDP was organized on **"Modern Trends in Civil Engineering"** with the resource person **Er. G. Siva Rami Reddy** from 24-29 August 2022 in association with Gambrel Engineers Pvt. Ltd., Prodhuturu.

Electrical and Electronics Engineering

* A three-day workshop on **"Electrical Vehicle Technology"** was conducted jointly by departments of EEE, ME & ECE in association with IETE, SRGEC TECHDOC and SAE INDIA from 26 - 28 September 2022.
* Student talent hunt -2022 **"Trushna"** was conducted by IEEE PES, departments of EEE and ECE in association with IEE Guntur Subsection on 24 November 2022. **Er. G. V. Manoj Kumar**, ITS Director (security), Ministry of communications APLSA was the chief guest.
* A Student Development Programme (SDP) on **"Introduction to Advanced python Programming& Libraries"** was conducted by IEE students' chapter for

Er GV Manoj Kumar addressing the students

III B.Tech students from 5 – 9 September. **Dr. K. Kalyan Raj & Dr. J. Kiran** were the resource persons for the programme.

Students in the Workshop

* An Adjunct Faculty Programme was conducted on "Transformers" with the resource person **Er. M. Durga Prasad,** Chief Engineer (Retd), APSEB on 28-29 December 2022.
* GATE coaching classes were conducted for III and IV B.Tech students in the subjects Power System Analysis and Control Systems from August 2022 to December 2022.
* An awareness program and a mock test were conducted on GATE by ACE Engineering Academy, Vijayawada on 1 November 2022.

Mechanical Engineering

* A one-day workshop on "**Pneumatic Technologies in Industrial Automation – FESTO EXPOTAINER**" was organized in association MEA, IE(I) and ASME on 24 August 2022. **Mr.M. Manoharan,** Senior Engineer, FESTO India Pvt. Ltd., was the resource person.
* International Internship-Advance Certification Program on **"Emerging Technologies"** was held for III and IV B.Tech students on 29 August and 21 October 2022. **Prof. Starke**, RWTH, Aachen University, **Mr. Ragesh Kumar**, Industrial Trainer, Igus-India, **Mr. J.Jegathesan**, Senior Didactic Trainer, FESTO India, **Prof. Dr.Alexander Ferrein**, FH Aachen University of Applied Sciences and **Mr. Marcel Stuttgen**, M.Eng. FH Aachen University of Applied Sciences were the resource persons.
* A two-day workshop on "**Robot Programming Using IRc Software**" was organized with resource persons **Mr.T. Vamsi Kalyan** and **Mr.Sk. Sileman**, Technical Trainee, Indo Eurosynchronization on 16 and 17 September 2022.
* A three-day workshop on "**Electric Vehicles**" was organized with resource person **Mr. N.Venkat Reddy,** Founder-VE and **Mr.Prem**, Trainer Electrix Vihaan, Visakhapatnam on 26 and 28 September 2022.

"Educating the mind without educating the heart is no education at all." - Aristotle

- A two-day Skill Development Program on "**3D Printing**" was conducted with the resource person **Mr.S.Manisankar**, Team Lead and Technical Trainer, Robogen, India Pvt. Ltd., on 14 and 15 October 2022.
- A two-day Skill Development Program on "**Robotics**" was conducted with resource persons **Mr. U. Siddardha Reddy**, COE & Co-Founder, and **Mr.U.Divya Teja**, Chief Training officer & Co-founder, Robogen, India Pvt. Ltd. on 14 and 15 October 2022.
- A two-day workshop on "**Industrial Robotics**" was held with resource persons **Mr.M. Nagarjuna** and **Mr.R.Sabari Dhasan** on 2 and 3 November 2022.
- A five-day hands-on software training program "**ANSYS Software**" was conducted with resource person **Mr.Kiran Kumar Kunche**, Project Manager Augmento Labs, Bangalore from 14-19 November 2022.
- **Mr.Mandava Sandeep**, Project Manager, Dolcera (USA) gave a guest lecture on "**5G Technology, Automation & Career Connect**" for III & IV B.Tech students on 16 and 17 September 2022.
- Adjunct Faculty Lecture Series in Power Plant Engineering on "**Steam Turbines**" for III B. Tech Students was held on 12 November 2022. **Mr. K. Chandra Kaladhara Rao**, Executive Engineer-General & Commissioning 800 MW Unit-7, Dr. NTTPS – Ibrahimpatnam was the resource person.
- A Personality Development Programme **"HELP - Heartfulness Enables Life Skill Programme"** was conducted for II B.Tech students from 21- 23 December 2022.
- A Guest Lecture on **"Self Confidence the Key to Success"** was conducted with the resource person **Prof. M.L. Sai Kumar**, Advisor, KAB Consultants, Hyderabad, for IV B.Tech students on 29 December 2022.
- A two-day International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems (CITEAS-22) was conducted by Department of Mechanical Engineering during 29-30 July 2022.

Electronics and Communication Engineering

- **Dr.Periyasamy Pradeep Ravichandran**, Training Manager, South India, EBSCO Information Services and IEEE Xplore Digital Library delivered a guest lecture on **"Role of IEEE in Engineering Education"** for I,II B.Tech students and gave a talk on **"Enhancing your Research with New Features in IEEE"** for III and IV students on 21 November 2022.
- **Dr.P.Sri Hari,** Associate Professor, NIT, Suratkal, delivered a talk on **"How to Write a Good IEEE Conference Paper"** for III B.Tech students and **"IoT Based mm Radar Sensors"** for II B.Tech students on 3 December 2022.
- **Prof. N.Siva Prasad,** Former Professor of IITM gave a guest lecture on **"Futuristic Job Opportunities for Engineers"** on 21 December 2022.
- **Prof.M.L.Sai Kumar**, Advisor, KAB Consultants, Hyderabad, Retd. Dean, Academics, Institute of Public Enterprise, Hyderabad delivered a talk on **"Entrepreneurship Start-Up and Innovation Skills"** on 29 December 2022.
- A workshop on **"Electrical Vehicles"** was organized with the resource person **Er.Viswa,** Vihan Electrical Vehicles, Visakhapatnam, from 26-28 September 2022.
- A two-day workshop on **"PCB making for Electronic Circuit Applications"** was conducted with the resource person **Er.V.Govinda Rao,** Microlink Peripherals Pvt. Ltd., Vijayawada on 4 and 5 November 2022.
- A workshop on **"Python Programming- Value Added Course"** was organized in four phases in association with APSSDC (Phase-I from 12- 17 December 2022; Phase –II from 19-24 December 2022; Phase-III from 26-31 December 2022 and Phase-IV from 2-7 January 2023)
- On the eve of International Students Day, a **Project Exhibition** was organized in association with IETE Student Forum (ISF) on 17 November 2022. As many as 429 students from AANM & VVRSR Polytechnic College and 140 Students from AANM and VVRSR High School, Gudlavalleru and 600 students from SR GEC visited the project exhibition and learnt a lot of things from the working models. Principal Dr. G.V.S.N.R.V. Prasad inaugurated the exhibition.

Information Technology

- A two-day Students Development Program on "**Ethical Hacking**" was conducted with the resource person **Mr.D.SaiSatish,** CEO, Indian Servers from 25 – 26 November 2022.
- A one-day Students Development Program on "**Git & Git Hub**" was conducted with the resource person **Mr.E.V.RSomayajulu**, Sr.Trainer, Coign Consultants pvt. Ltd. Hyderabad, on 19 December 2022.

"Give me a fish and I eat for a day. Teach me to fish and I eat for a lifetime." - Chinese Proverb

❋ A three-day Personality Development Program on "**Heartfullness Experience Life's Potential**" was organized with the resource person **Mr. G. Divya Dharshan**, Trainer, Heartfulness-Meditation from 21–23 December 2022.

❋ A Guest Lecture on **"Up-Skilling New Technologies"** was organized with the resource person **Mr.MadhuVadlamani**, Sr.Technical Manager, Hyderabad on 15 October 2022.

❋ A one-day workshop on **"Data Analytics"** was conducted with the resource person **Dr. Ravi Vatrapu Satish**, Copenhagan University, Canada on 22 December 2022. **.**

Dr Ravi addressing the students

M L Sai Kumar interacting with the students

❋ **M.L.Sai Kumar**, Advisor, KAB consultants, delivered a guest Lecture on **"Make A Difference"** on 28 December 2022.

❋ **Mr.B.SobhanBabu,** Asst.Prof., gave classes for GATE examination on "**C Programming**" for students on 3 and 17 September 2022.

❋ **Mr.I.LakshmiNarayana,** Asst.Prof., gave classes for GATE examination on "**Data Structures**" for students on 24 September, 22 October and 12 November 2022.

❋ **Mr.K.AmruthaSagar,** Asst.Prof., delivered lectures for GATE examination on "**Computer Organization**" for students on 29 September and19 November 2022.

❋ **Mr.A.Aparna,** Asst. Prof., gave classes for GATE examination on "**Digital Logic Design**" for students on 5 and 26 November 2022.

❋ As part of Engineer's Day Celebrations various competitions were conducted on 15 September 2022. CodeIT, TechnoShow, Pseudo Crack and TechTalk were conducted on this occasion. Department also conducted a Guest Lecture on **"Role of Innovative Ideas and Startups to Build the Nation"** with the resource person **Mr. D. Naveen,** Mentor - Brainovision Solutions (India) Pvt. Ltd., Hyderabad.

Artificial Intelligence & Data Scence

❋ A one-week workshop on **"Game Design Using BuildBox"** was organized from 1-3 August 2022.

Internet of Things

❋ A two-day workshop on **"Research Trends and Game Changing Applications in Drone Technology"** was organized with the resource person **Mr. Gopi Raja**, CEO, Fopple Drone Tech Pvt. Ltd on 23-24 September 2022. **Dr. Butta Rajasekhar,** IETE (VJA Chapter) Chairman, was the Chief Guest of the programme.

❋ A Guest Lecture on **"Routing and Scheduling Protocol Design in IoT Networks"** was organized in association with ISF (IETE) & PATRIOT with the resource person **Dr. Satish Anamalamudi,** SRM University, A.P on 02 November 2022.

❋ A three-day training programme on **"Multi Rotor Drone Technology"** was organized with the resource person **Mr U. Siddhartha Reddy** from RoboGen, Visakhapatnam for I and II B. Tech. IoT students on 15 December 2022.

Master of Business Administration

❋ **Ms. Chitturi Naga Sai Lakshmi Praneetha**, Uolo Edtech, Gurgaon delivered a guest lecture on "**Creating awareness on Finance Sector Jobs**" on 6 August 2022.

❋ **Ms. Mandapati Venkata Sai Priya,** Research Analyst, Factset, Hyderabad gave a guest lecture on "**Opportunities in Finance sector**" on 6 August 2022.

"If we do not plant knowledge when young, it will give us no shade when we are old." - *Lord Chesterfield*

❋ An Entrepreneurship Development Programme on "**Nurturing Entrepreneurial Mindset and Ideation"** was conducted with the resource person **Prof. K.V.S.Krishnamohan**, Gitam School of Business, Hyderabad on 12 October 2022.

Attended

Electrical and Electronics Engineering

❋ **M. Sahithi** (20481A0256), **P.Maha Lakshmi** (20481A0271),**V.Aravind Sai** (21485A0233),**T.Rajya Lakshmi** (20481A0283), **M. Pavan Kumar**(20481A0252) won the **Second Prize** in "IDEATE2HACK" a national – level Industry – driven 24 Hour Hackathon organized by VR Siddhartha Engineering College from 13 to 14 October 2022.

❋ **M.Prakash** (21485A0220), **V.Aravind Sai** (21485A0233) attended a "National Level Project Expo-22" organized by the SITE IEE student branch, Sasi Institute of Technology & Engineering on the event of IEE day in association with IEE Vizag Bay section on 4 November 2022.

❋ **V.Aravind Sai** (21485A0233) **P.Durga Prasad** (21485A0227), **M.Tirumala Naidu** (21485A0210) **K.Baby kumari** (21485A0214) attended an event "Vridhi" showing start up stories by Atal Community Innovation Center, KL university on 30 November 2022.

Information Technology

❋ **Bhumika**(20481A1208), **AnkamDharshitha** (20481A1203), **Beulah Pallapothu** (20481A1215) successfully completed online certification course "**Game Development Using Pygame"** conducted by GUVI,Google for Education partner on 22 November 2022.

❋ 20 students from IV B.Tech. I semester attended a guest lecture on **"Nurturing Entrepreneurial Mindset And Ideathon"** conducted by EDC of SR GEC on 12 November 2022.

Master of Business Administration

❋ **Mohammad Sharmila (21481E0033), Dasika Ekambara Datta Sanketh** (21481E0010) attended International Conference on **"Recent Advances in Artificial Intelligence and Data Science"** organised by **Dr.Vithalrao,** Vikhe Patil Foundation's Institute of Business Management and Rural Development, Ahmednagar from 20-22 September 2022.

❋ **Lingamallu Viraja (21481E0025), Perumalla Komala Sai Suhasini** (21481E0044), and **Hemima Jamalla (21481E0016)** gave a paper presentation on **"Emerging Trends in Business Commerce and Management"** organised by Post Graduate Department of Commerce of Kristu Jyoti College of Management and Technology, Kerala on 16 September 2022.

Publications of Students

Master of Business Administration

❋ **Hemima Jamalla (21481E0016):** "**How to Increase GDP of India",** *International Journal of Innovation Technology and Management* (GECs IJITM) volume 8 issue 2 August 2022, ISSN: 2394-594X**.**

Professional Society and Association Activities

Electrical and Electronics Engineering

❋ Various events were conducted in association with ESCON for the II, III and IV B.Tech students in September and November. **"Figgerits"** was held on 7 September 2022; "**Group Discussion"** was on 13 September 2022; "**Escon Expresso"** was on 14 September 2022; "**Troubleshoot"** was on 13 September 2022. "**Guess the Track"** was on 26 October 2022; "**QUIZNOCOPR"** was on 14 October 2022; "**Dum Charades"** was on 21 September 2022; "**War Of Words"** was on 5 September 2022; **"Crack It"** was conducted on 9 November 2022.

❋ In association with IE the following events were held. **"Pictionary"** was conducted on 9 September 2022. **"Poster Presentation"** was held on 15 September 2022.

❋ In association with IEEE the following events were conducted. "**Brain Teaser"** was on 5 September 2022; "**TECHNOQ"** was on 7 September 2022; "**Brain Twister"** was held on 15 September 2022.

Mechanical Engineering

❋ In association with IE (I), ISTE and ASME competitions such as CAD Modelling, CAD Modelling Animation and Word Building were held from 7-9 September 2022. Technical Paper Presentation, Essay Writing, Model Presentation and JAM were conducted from 12-13 September 2022. Technical Poster Presentation and Technical Quiz were held on 14 September 2022.

"If you can't explain it simply, you don't understand it well enough." - *Albert Einstein*

Electronics and Communication Engineering

- On the eve of Engineer's Day Celebrations **Extempore** and **Group Discussion** were organized in association with ECSat on 2 and 3 September 2022. **Poster Presentation** was organized in association with Electronics Hobby Club on 6 September 2022. **TECHNICAL Paper Presentation** and **Technical Quiz** were conducted in association with IE(I), IETE Students Forum (ISF) on 7 September 2022. **Model Presentation** was held in association with Electronics Hobby Club on 8 September 2022.
- Video Promo Competition on the topic "**The Technological Evolution in Electronics and Communication**" was organized in association with IE(I) on 13 September 2022.
- **Project Exhibition** was organized in association with IETE Vijayawada Chapter on 17 November 2022 on the eve of National Students Day.

Information Technology

On the occasion of Engineers' Day the department conducted various competitions from 12 to 14 September 2022. The following students bagged prizes in the competitions.

- **N. Sri HarshaVardhan** (19481A1283), **M. ManikantaSai** (20481A05F6), **K. SaiKumar** (20481A5426), **D. Chinhnitha** (20481A1232) won the first, second, third and consolation prizes respectively in **"Code IT"** competition.
- **N.Tejaswini** (20481A12C5), **M.Mrudula** (20481A12A9), **U.Mohanlal**(20481A12H9) received the first, second and third prizes respectively in **"Tech Talk"** event.
- **V.Madhuri**(20481A12I7), **U.Sumanth**(20485A0424), **J.SriSandya** (20481A1264), **P.Pravallika** (20481A12E0) bagged the first, second, third and consolation prizes respectively in **"Techno Show"** competition.
- **G.Praveen** (19481A1240), **B.S.S.SaiHruday** (20481A1219), **K.D.N.S.Amulya** (20481A1265), **G.Lasya** (20481A1244) got the first, second, third and consolation prizes respectively in the event **"Pseudo Crack"**.

Industrial Tours

Civil Engineering

- As part of industrial tour IV B.Tech I Semester students visited various companies from 18- 22 November 2022. A total of 86 students visited companies such as MEIL, Aparna constructions etc, located near Bangalore and Mysore.
- 45 students of III B.Tech I Semester visited companies such as Soma, Aparna constructions etc, located near Banglore and Mysore from 26 to 29 November 2022.

Students of Civil in Industrial Tour at Bangalore

Electrical and Electronics Engineering

- As a part of industrial tour 46 students of IV B.Tech I Semester along with two faculty members visited Karnataka Vidyuth Karkhane Limited, Bharat Heavy Electronics Limited located in Bangalore and Deepanjan Power Cables located in Mysore from 19 to 22 November 2022.

Mechanical Engineering

- As a part of industrial tour 78 students of III B.Tech visited Kaynes Technology and Deepanjan Power Cables, Mysore, and Karnataka Soaps & Detergents Limited, Bengaluru from 2–6 December 2022.
- 39 students of IV B. Tech visited Kaynes Technology" and Deepanjan Power Cables, Mysore, and Karnataka Soaps & Detergents Limited, Bengaluru as a part of industrial tour from 21–22 November 2022.
- 50 students of IV B. Tech visited M/s. Kumar Pumps & Motors, Tenali, and M/s. G.S Alloy Castings Private Limited, Vijayawada from 21–22 November 2022.

Students of EEE in Industrial Tour at Bangalore

"In teaching you cannot see the fruit of a day's work. It is invisible and remains so, maybe for twenty years." - Jacques Barzun

Electronics and Communication Engineering

* IV B.Tech students were taken for Industrial visit to Bangalore and Mysore from 16 - 19 November 2022.
* 99 students of III B.Tech visited ISRO Sriharikota on 8 December 2022.

Information Technology

* 152 students of III B.Tech visited ATS Global Techsoft Pvt Limited, Bangalore, Kaynes Technology India Limited, Mysore from 7-9 November 2022. This tour helped them to enhance their practical skills and also to bridge the gap between industry and Academia.
* 65 students of IV B.Tech visited Kaynes Technology India Limited, Mysore from 9-12 November 2022.

Master of Business Administration

* As a part of industrial tour 51 students of MBA (Final) visited M/s. Karnataka Sopals and Detergents Limited and M/s. Deepanjan Power Cables from 1-3 December 2022.

Students of IT in Industrial Tour at Bangalore

STUDENT NPTEL

S.No.	Name of the Branch	No. of Students Obtained Certification	Remarks
1	Civil	37	-
2	EEE	34	* Elite - 10
3	ME	71	* Elite - 19
4	IT	172	* Elite – 75 * Elite + Sliver- 81 * Elite + Gold- 02

FACULTY NEWS

RESEARCH
AWARD
Civil Engineering

* **Dr. A.H.L. Swaroop,** Sr. Gr. Asst. Prof of CE, was awarded with Ph.D for his thesis entitled **"Response of Coastal Structures in Different Soil Conditions Against Tsunami Forces and Associated Scouring Phenomenon"** from Andhra University on 24 August 2022.

Basic Sciences and Humanities

* **Mr.M.Srinivasulu,** Assistant Professor was awarded with Ph.D for his thesis entitled **"Seasonal Variations and Water Quality Index (Wqi) of Ground Water in and around Ranastalam Mandal, Srikakulam District, Andhra Pradesh, India"** from Andhra University, Visakhapatnam in November 2022.
* **Mr. Y. Subba Rao,** Assistant Professor was awarded with Ph.D for his thesis entitled **"Development and Validation of New and Efficient Analytical Methods [Lcms/Ms, Rp- Hplc] for Some Anti Cancer and Anti Hypertensive Drugs in Single And Combined Pharmaceutical Formulations"** from Acharya Nagarjuna University, Guntur in December 2022.

Mr. A.H.L Swaroop

Mr. M. Srinivasulu   *Mr. Y. Subba Rao*

"Spoon feeding in the long run teaches us nothing but the shape of the spoon." - E. M. Forster

SUBMISSION

Master of Business Administration

* **Ms.T.S.Leelavati** submitted her Ph.D. thesis entitled "**A Study on Emotional Intelligence and its Impact on Occupational Stress among Women Employees in the Service Sector (An Analysis with respect to Selected Organisations in Andhra Pradesh**" on 29 August 2022. She did her research under the guidance of **Dr. G.V.Chalam,** Former Dean, Department of Commerce and Business Administration, Acharya Nagarjuna University.

* **Ms.Y.V.Naga Kumari** submitted her Ph.D thesis entitled "**A Study on the Effectiveness of E-Recruitment through Social Networking Sites (with Special Reference to Engineering Students of AICTE Approved Institutions and HR Recruiters in Andhra Pradesh)"** on 30 December 2022. She did her research under the guidance of **Dr. G.V.Chalam,** Former Dean, Department of Commerce and Business Administration, Acharya Nagarjuna University.

Achievements/Awards

Civil Engineering

* **Dr. S.R.K.Reddy,** Adjunct Prof. of CE was awarded with **"Outstanding Civil Engineering Teacher"** for the year 2022 in Ideal Teaching Awards Programme – 2022. The award was given by Raja Ratna KITS Engineering College, East Godavari Dist on 2 October 2022.

* **Dr. S.R.K.Reddy,** Adjunct Prof. of CE was nominated as a member of Governing Body of Usha Rama College of Engineering & Technology, Telaprolu on 21 May 2022.

* **Dr. P.Kodanda Rama Rao,** Vice-Principal (Admin) & Prof. of CE was honored with "**Eminent Professor**" A.P.J Abdul Kalam Memorial Award of the year 2022 by SRKE Society, Tirupati on 11 December 2022.

* **Dr. P.Kodanda Rama Rao,** Vice-Principal (Admin) & Prof of CE was felicitated by Rotary Club of Gudivada on the occasion of Engineers' Day at Rotary Bhavan in Gudivada on 15 September 2022.

* **Dr. S.R.K.Reddy,** Adjunct Prof. of CE was felicitated by Rotary Club of Gudivada on the occasion of Engineers' Day at Rotary Bhavan in Gudivadaon on 15 September 2022.

* **Dr. A Sreenivasulu,** Prof of CE & HoD was awarded with Honorary Title "**Peace Ambassador**" by Euro Asian University, Germany on 18 November 2022.

* **Dr. A Sreenivasulu,** Prof of CE & HOD was nominated as a member of Editorial Board for Blue Eyes Intelligence Engineering & Science Publication and Lattice Science Publication in November 2022.

* **Dr. A.H.L. Swaroop,** Sr. Gr. Asst. Prof. of CE was nominated as a reviewer for *International Journal of Engineering Research & Technology* on 20 December 2022.

* **Dr. A.H.L. Swaroop,** Sr. Gr. Asst. Profof CE was nominated as a member of Editorial Board of *Blue Eyes Intelligence Engineering and Sciences Publications* (BEIESP) for the year 2023-24.

* **Mr.Ch.Naga Bharath** was a coordinator for an FDP on **"Applications of AI&ML in Civil Engineering"** conducted under IGS Guntur Chapter from 27 October to 25 November 2022.

Electronics and Communication Engineering

* **Dr. V.V.K.D.V. Prasad,** Professor, was nominated as convener of IQAC for the period 2023-2025.

* **Dr. V.V.K.D.V.Prasad,** Professor, received Best ECE Teacher Award-2022 from ISTE at AITAM, Tekkali on 10 December 2022.

* **Dr. B.Rajasekhar,** Associate Professor, was elected as Chairman of IETE Vijayawada Centre for the period July 2022 - June 2024.

Computer Science and Engineering

* **Dr. Kalyanapu Srinivas,** Professor, Department of CSE, was awarded National Level Best Coordinator for organizing Skilled Technology Foundational Courses by ICT Academy on 27 August 2021.

Information Technology

* **Mr.B.Sobhanbabu,** Assistant Professor received "**Yuva Acharya Award**" in All India biggest Award Ceremony of Education & Research by Bharat Education Excellence Awards on 4 September 2022.

I'm not afraid of storms, for I'm learning to sail my ship. - *Aeschylus*

FACULTY ENABLEMENT PROGRAMMES

Workshops/conferences/Guest Lectures

Attended

Civil Engineering

- **Mr.Ch. Naga Bharath :** a one-week FDP on "**Emerging Trends and Practices in Civil Engineering**" organized by Department of Civil Engineering, Aditya institute of Technology and Management from 21 to 27 November 2022.

- **Mr.Phani Kumar.V:** a one-week FDP on "**Emerging Trends and practices in Civil Engineering**" organized by Department of Civil Engineering, Aditya institute of Technology and Management from 21 to 27 November 2022.

- **Mr.Ch. Naga Bharath:** online course on "**Research Methodology**" conducted by Directorate of Research and Development, JNTUK from 4 to 23 July 2022.

- **Mr.Phani Kumar .V :** An FDP on **"Emerging Trends and Practices in Civil Engineering"** organized by AITAM, Tekkali from 21 to 27 November 2022.

- **Mr.Phani Kumar .V:** a two-day International Conference organized by Sreenidhi Institute of Science and Technology on 24 and 25 August 2022.

- **Mr.Ch. Naga Bharath:** a two-day International conference on **"Comparative Analysis of Strength and Deformation Characteristics of Clayey Soil, when Treated with Fly Ash and Ground Granulated Blast Furnace Slag"** organized by Sreenidhi Institute of Science and Technology on 24 and 25 August 2022.

- **Dr.A.H.L. Swaroop:** a one-week national level online Faculty Development Program on **"Societal Applications of Machine Learning"** organized by Sri Vishnu Engineering College for Women, Bhimavaram from 26 -30 December 2022.

Electronics and Communication Engineering

- **Dr.M.Kamaraju** : Presented 3 research papers entitled **"Design Of 16-Bit ALU Using Intelligent Latch Based Clock Gating Technique", "D Low Power RISC Processor Design Using MIPS by Clock Gating"** and **"Implementation of Precisiontracking of the Image Centroid Fora Single Moving Target"** in Second International Conference on "Computational and Intelligent Techniques for Automation of Engineering Systems (CITAES'22)" organized by the Department of ECE, SR GEC from 29-30 July 2022.

The following faculty presented various papers in Second International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems (CITAES'22) organized by the Department of Electronics and Communication Engineering, Seshadri Rao Gudlavalleru Engineering College from 29-30 July 2022.

- **Dr.V.V.K.D.V.Prasad: "D Fake Biometric Detection Using Image Quality Assessment"**

- **Dr.Ch.Balaswamy: "Implementation of Energy Efficient Dynamic Source Routing Protocol for MANETs"**

- **T.Venkata Lakshmi: "Performance analysis of FINFET based LUTs"** and **"Implementation Of 8x8 Sram Array Using Mt- Cmos Technique"**

- **T.S.R.Krishna Prasad: "D Low Power RISC Processor Design Using MIPS By Clock Gating"**

- **Dr.B.Rajasekhar: "Skin Cancer Detection Using Convolutional Neural Network"**

- **Y.Sri Chakrapani: "Implementation of High-Speed VLSI Architecture for Edge Detection"** and **"Implementation and Analysis of Parallel Prefix Adders using FPGA"**

- **Dr.D.Prabhakar:** Presented three research papers entitled **"Design and Implementation of Triangular patch Antenna Array for Multiband Applications", "Performance Prediction of Graphene Based Candy Bar Microstrip Antenna for Ultra-Wide Band Applications"** and **"Optimization of Microstrip Antenna Array for Generation of Low Side Lobe and Back Lobe Patterns"**

- **Dr.S.Ravi: "Emergency Health Care Monitoring System Using Psoc Board and Mobile Application"**

- **Ch.Rambabu: "Impact Of III-Nitride Based Semiconductor Materials in Next Generation RF Electronics"**

- **Dr.K.Srilakshmi** : **"The Second International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems (CITAES'22)"**

- **G.Rama Krishna**: **"Plant Condition Monitoring System Using Raspberry Pi"**

- **M.Damodhar Rao: "A Review on Performance Analysis of SRAM Cell Under Different Topologies and Different Power Reduction Techniques"**

The only real failure in life is one not learned from. - Anthony J. D'Angelo

- **N.SambaMurthy:** "Implementation of Advanced Multiplier for Fir Filter Applications Using Approximate Compressors"
- **Ms.V.Priyadarshini:** "Design of 32-bit ALU using Hybrid Techniques"
- **Ms.B.Naga Sirisha:** "Estimation of Biological signals using LMS Adaptive filter with Squirrel Search Optimization Algorithm"
- **Ms.V.Sreelakshmi:** "A Survey on Approximate Computing Using Machine Learning"
- **Ms.G.N.Sandhya Devi :** "Time Series Analysis for Weather Prediction Using Prophet Library"
- **Ms.G.N.Sandhya Devi :** Acted as a reviewer of the research paper on **"The Second International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems (CITAES'22)"**
- A two-day Faculty Training Program **on "Full Custom IC Design Using CADENCE Software Tools"** was organized by Department of ECE, SR GEC from 4-5 August 2022. 23 faculty participated from ECE department.
- **Mr.Y.Sri Chakrapani:** A three-day online Faculty Development Program on "**Applied Robotic Control Faculty Development Program**" under the initiative of "Indo-European Skilling Cluster for Mechatronics and Manufacturing" organized by Indo-Euro Synchronization from 24-26 August 2022.

Dr.D.Prabhakar

- Participated in a one-week National Level Online Faculty Development Program on **"Trends in Embedded Systems and IoT"** organized by Department of Electronics and Communication Engineering, Seshadri Rao Gudlavalleru Engineering College from 20 -25 June 2022.
- Participated in a two-day workshop on **"Machinelearning: Concepts and Applications"** organized by R&D Cell, Seshadri Rao Gudlavalleru Engineering College from 30 June – 01 July, 2022.

Dr.K.Srilakshmi

- A Blended Mode Professional Development Program on **"Outcome Based Education and Design Thinking"** conducted by IEEE, Guntur Subsection and Department of EEE, KLEF Deemed to be University from 7-15 October 2022.
- A two-day workshop on **"Machinelearning: Concepts and Applications"** organized by R&D cell, SR GEC from 30 June -01 July 2022.
- A one-week Online Faculty Development Program on **"VLSI Exposure and it's Challenges in Engineering"** organized by the Department of ECE, Krishna University College of Engineering and Technology from 11-15 July 2022.

Mr.M.Galeeb

- A two-day online workshop on **"5g Noma Communications"** organized by the Department of Electronics and Communication Engineering,   CVR College of Engineering from 12-13 August 2022.
- Attended an expert lecture on **"Microstrip Antenna Design and Optimization Using Full Wave Simulator"** organized by IEEE APS SBC MNIT in association with IEEE SB MNIT, IEEE RFID SBC MNIT&IEEE Delhi APS Chapter-Jaipur in September 2022.

Information Technology

- **Mr.M.NagaRaju:** a five-day FDP on "**Innovation in Recent Trends in Computing**" organized by JIS University, Kolkata from 28 November – 2 December 2022.
- **Ms.T.Sumallika:** a five-day FDP on "**Python Programming for Artificial Intelligen**" **ce**organized by NIT Warangal from 28 November – 2 December 2022.
- **Ms.Ch. Poojarani, Mr. Ch.VenkateswaraRao, Ms.T.Sumallika, Ms.P.NagaSravanthi, Ms.M. Divya Sumithra, Mr. V.Raghuram Chowdary, Ms.T.Indra Deepika, Ms.P.Sujatha, Ms. D.E.G. Shiney, Ms.P.Saroja Rani, Mr.K.Srikanth:**   a two-week FDP on "**Computer Networks**" organized by SR GEC from 18–30 July 2022
- **Ms.T.Sumallika:** a ten-day FDP on "**AI&ML for Computer Vision and Medical Image Analysis Applications**" organized by BVRIT College of Engineering for women, Hyderabad from 3 – 12 December 2022.

Whoso neglects learning in his youth, loses the past and is dead for the future. – *Euripides*

Conducted

Electrical and Electronics Engineering

⁕ Online Faculty Development Programme on **"Advances in Optimization and Control of Electrical Engineering Systems"** was conducted in association with NIT Warangal and Electronics & ICT Academy, Govt.of India from 11 – 20 July 2022. **Dr. R.C.Bansal,** University of Sharjah, UAE, Dr.Y.V.Hote, IIT Roorkee; **Dr. Ranjana Kumar**, IIT Patna, Dr.S. Surendra Reddy, Woo song University, Daejon, Republic of Korea; **Dr. Y.V.Pavan Kumar,** VIT AP; **Dr.P.Deepak Reddy**, NIT Warangal; **Dr.Vimlesh Verma**, NIT Patna, **Dr.Mikkili Suresh**, NIT Goa, **Dr.Kanumuri Tirupathi Raju**, NIT Delhi, **Dr.Ch.Ranga,** NIT Srinagar, **Dr. B. Dasu ,** SR GEC, **Dr. K .Kalyan Raj**, SR GEC, Dr.J. Kiran, SR GEC were the Resources persons.

⁕ A two-week Skill Development Programme for non-teaching staff on **"Energy Audit and IOT Applications"** was conducted from 27 July to 10 August 2022. **Mr.Md. Rafi Khan, Dr. G. Kishore babu, Dr. K. Kalyan Raju and Dr. J. Kiran** were the resource persons.

⁕ Community Service Project (CSP) awareness Program was conducted on 21 October 2022. **Mr. Md. Rafi Khan**, Associate Professor of EEE and **Mr. Samba Murthy** Assistant Professor of ECE Department were the coordinators of the programme.

Mechanical Engineering

⁕ a two-week Faculty Skill Development programme on "**CATIA**" was held with resource persons **Mr.D. Tarun,** Asst. Prof. and **Mr.A. Rajesh**, Asst. Prof. from 18 – 30July 2022.

Electronics and Communication Engineering

⁕ A Second International Conference on **"Computational and Intelligent Techniques for Automation of Engineering Systems (CITAES 2k22)"** was organized at SR GEC from 29-30 July 2022. **Dr. M.Kamaraju,** Professor & Mentor (AS&A) acted as Convener. **Dr.Y.Syamala**, Associate Professor and **Dr.S.Ravi,** Associate Professor were the co-conveners of the conference. **Dr.D. Ranganadham,** Deputy Director General (Engg.), Doordarshan Kendra Vijayawada, India and Er. **Ramakrishna Dasari,** CEO at Efftronics Systems Pvt. Ltd., Vijayawada were the Chief guests for Inaugural and Valedictory**. Brian Herdeg,** Principal Product Security, Engineer/Architect, Logitech, CA, USA, **Dr.Xingwang Li,** Associate Professor, Henan Polytechnic University, China and **Er. Ramakrishna Dasari,** CEO at Efftronics Systems Pvt. Ltd., were the Key note Speakers. About 30 technical papers were submitted to the conference.

⁕ A two-day Faculty Training Program on **"Full Custom IC Design using CADENCE software tools"** was organized from 4-5 August 2022. **J.Sudheer Kumar,** Application Engineer from Entuple Technologies Ltd., Bangalore was the resource person.

⁕ A two-day Faculty Training Program on **"Network Simulation with NetSim Software"** was conducted at SR GEC from 13-14 October 2022. **M.Krishnamoorthy,** Application Sales Engineering, TETCOS LLP, Bangalore was the resource person.

⁕ A one-day Webinar on **"An overview of Compute Express Link (CXL) Technology"** was organized by IEEE (SB) and Department of ECE in association with IETE Vijayawada Centre on 19 November 2022. **Er.H.Phanendra Babu,** Pre-Silicon Valid/Verify Engineer, Intel Technology, India pvt. ltd, Bangalore was the resource person.

⁕ A Faculty Development Programme was conducted on **"Network Simulation with NetSim Software"** on 13-14 October 2022.

Computer Science and Engineering

⁕ A five-day Staff Development Program on **"Full Stack Application Development"** was conducted with the resource persons **Ms.T.Nagamani,** Assist Professor; Dr. K. BalaBrahmeswara Rao, Sr.Assist.Pform; and Ms. K. Jyosthnsalatha Assist.Prof, SRGEC from 2 – 6 August 2022.

⁕ A two-week Refresher Course on **"Computer Networks"** was conducted with the resource person **Mr. T.Balaji**, Assist.Prof, SRGEC from 18 to 30 July 2022.

⁕ A two-day Workshop on **"Machine Learning: Concepts and Applications"** was conducted with the resource persons **Dr. P. Nageswara Reddy**, Director, R&D, SRGEC from 30 June to 1 July 2022.

Information Technology

⁕ A two-week refresher course on **"Computer Networks"** was conducted by the departments of CSE and IT from 18 - 30 July 2022.

Learning without thought is a labor lost, thought without learning is perilous. – Confucius

Guest Lectures/ Keynote Addresses

Civil Engineering

❋ **Dr. S.R.K. Reddy,** Adjunct Prof. of CE delivered a guest lecture on **"Soil-Structure"** at JNTU-K on 27 November 2022. The program was organized by Association of Consulting Civil Engineers, and Indian Geotechnical Society Kakinada Chapter sponsored by CRUX Prestressing Systems PVT Ltd.

Electrical and Electronics Engineering

❋ **Dr. B. Dasu** delivered a guest lecture on **"Application of Heuristic Algorithms for Power System Stabilizers and for Model Order Reduction Techniques"** organized by NIT Warangal in association with Electronics & ICT Academy, government of India on 15 July 2022.

❋ **Dr. K.Kalyan Raj** delivered a guest lecture on **"Machine Learning for Electrical Engineering Applications"** organized by NIT Warangal in association with Electronics & ICT Academy, government of India on 17 July 2022.

❋ **Dr. J. Kiran** delivered a guest lecture on **"Distribution System Planning and Operation Strategies"** organized by NIT Warangal in association with Electronics & ICT Academy, government of India on 19 July 2022.

❋ **Dr. K. Kalyan Raj** delivered a guest lecture on **"Solar Roof Top – Operational   Challenges"** at Usha Rama college of Engineering & Technology on 20 October 2022.

Electronics and Communication Engineering

❋ **Dr.B.Rajasekhar,** IETE Chairman, Vijayawada Centre delivered a guest lecture on **"Career Opportunities in the field of Electronics and Communication Engineering"** at VKR VNB& AGK College of Engineering, Gudivada on 24 September 2022.

❋ **Dr.B.Rajasekhar** delivered a guest lecture on **"Applications of Image and Video Processing"** at DNR College of Engineering and Technology, Bhimavaram on 27 October 2022.

❋ **Dr.B.Rajasekhar** delivered a guest lecture on **"Applications of Image and Video Processing"** at Sri Vasavi Institute of Engineering and Technology, Nandamuru on 29 October 2022.

❋ **Dr.B.Rajasekhar** delivered a guest lecture on **"Awareness and Benefits of IETE Membership"** at Lakkireddy Bali Reddy College of Engineering, Mylavaram on 2 November 2022.

❋ **Dr.B.Rajasekhar : "Awareness and Benefits of IETE Membership"** at QIS College of Engineering and Technology, Ongole on 5 November 2022 (through online).

Master of Business Administration

❋ **Dr. Ch.Nirmal Chand** delivered a guest lecture on **"Entrepreneurship and Ethics in Pharmacy"** at V.V. Institute of Pharmaceutical Sciences, Gudlavalleru on 23 August 2022.

FAUCLTY NPTEL

NPTEL Courses: National Programming on Technology Enhanced Learning (**NPTEL**) is an initiative of the seven Indian Institutes of Technology (IIT Bombay, Delhi, Guwahati, Kanpur, Kharagpur, Madras and Roorkee) and Indian Institute of Science Bangalore (IISc) for creating video and web course contents in engineering and science.

Electrical and Electronics Engineering

Sl.No	Name of the Faculty	Designation	Course Registered	% of Marks	Grade Secured
1	Dr.B.Madhu Kiran	Assoc. Prof.	Advances in UHV Transmission and Distribution	67	Elite
2	Dr. J. Kiran	Asst. Prof.	Operations Research	75	Elite + Silve
			Programming , Data Structures and Algorithms using Python	83	Elite + Silver
3	Mr.J. Hema Sundar	Asst. Prof.	Control Systems	83	Elite + Silver
4	Mr.D. Vijay Arun	Asst. Prof.	Basic Electric Circuits	80	Elite + Silver
5	Mr.V. Naga Babu	Asst. Prof.	Basic Electric Circuits	94	Elite + Gold
6	Mr. A.Rama Krishna	Asst. Prof.	Introduction to Electrical Engineering	75	Elite + Silver
			Basic Electric Circuits	88	Elite + Silve

All things good to know are difficult to learn. - *Greek Proverb*

Sl.No	Name of the Faculty	Designation	Course Registered	% of Marks	Grade Secured
7	Ms.Sufia Khanam	Asst. Prof.	Digital Circuits	60	Elite
8	Ms.Sk.Rizwana	Asst. Prof.	Power System Analysis	79	Elite + Silver

Mechanical Engineering

Sl.No	Name of the Faculty	Designation	Course Registered	% of Marks	Grade Secured
1	Dr. B. Karuna Kumar	Professor & Director (AS&A)	Training of Trainers	80	Elite + Silver
2	Dr. G. Prabhakar	Assoc. Prof.	Principles of human resource management	71	Elite
3	Mr. B.V.S. Raghu Vamsi	Sr. Gr. Asst. Prof.	Problem Solving through Programming in C	75	Elite + Silver
4	Dr. L. Ramesh	Asst. Prof.	Engineering drawing and computer graphics	96	Elite + Gold (Top 5%)
5	Mr. N. Premdas	Asst. Prof.	Steam power engineering	83	Elite + Silver
6	Mr. G.V. Jagadeesh	Asst. Prof.	Joy of computing using python	83	Elite + Silver
7	Mr. P Satyanarayana	Asst. Prof.	Advanced machining processes	75	Elite + Silver
8	Mr. M Ujwal Tej	Asst. Prof.	Innovation, Business models and Entrepreneurship	75	Elite + Silver
9	Mr. D. Kishore Babu	Asst. Prof.	Problem Solving through Programming in C	63	Elite
			The Joy of Computing using Python	73	Elite

Electronics and Communication Engineering

Sl.No	Name of the Faculty	Designation	Course Registered	% of Marks	Grade Secured
1	Dr. S. Ravi	Assoc. Prof.	Analog Electronic Circuits	80	Elite+silver
2	Mr.Ch.Rambabu	Sr. Gr. Asst. Prof.	Analog Communication	53	Successfully Completed
3	Ms. P.Ramya	Asst. Prof.	System Design through VERILOG	75	Elite+silver
4	Mr.M.Damodar Rao	Asst. Prof.	Computer Architecture&Organization	46	Successfully Completed
5	Ms.L.Padmalatha	Asst. Prof.	Analog Electronic Circuits	73	Elite
6	Mr.Y.Mamillu	Asst. Prof.	Digital Circuits	66	Elite
7	Ms.G.N.Sandhya Devi	Asst. Prof.	Digital Speech Processing	82	Elite+silver
8	Mr.V.Murali Krishna	Asst. Prof.	Introduction to Wireless and Cellular Communications	54	Successfully Completed
9	Ms.S.Karuna	Asst. Prof.	Digital Circuits	56	Successfully Completed
10	Ms.M.HemaLatha	Asst. Prof.	Digital Circuits	85	Elite + Silver (Top 1%)
			The joy of computing using Python	78	Elite+silver
11	Ms.D.LBhuvaneswari	Asst. Prof.	Digital Circuits	66	Elite
12	Mr.M.Galeeb	Asst. Prof.	Electro Magnetic Theory	45	Successfully Completed
13	Ms.M.LThirupathamma	Asst. Prof.	Digital Circuits	72	Elite

Information Technology

Sl.No	Name of the Faculty	Designation	Course Registered	% of Marks	Grade Secured
1	Mr. B. SobhanBabu	Asst. Prof.	Data Structures and Algorithms using Java	87	Elite+Silver
2	Mr. Ch. VenkateswaraRao	Asst. Prof.	Programming In Java	81	Elite+Silver
3	Ms.T. IndraDeepika	Asst. Prof.	Problem Solving through Programming in C	71	Elite
4	Ms. Dasari Elsie GnanaShiney	Asst. Prof.	Operating System Fundamentals	62	Elite

PAPER PRESENTATIONS

International/ National

Electronics and Communication Engineering

* **Dr. D. Prabhakar: "Design and Implementation of Triangular patch Antenna Array for Multiband Applications"** at **"Second International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems (CITAES'22)"** organized by the Department of Electronics and Communication Engineering, SeshadriRao Gudlavalleru Engineering College from 29-30 July 2022.

* **Dr. D. Prabhakar:** Acted as reviewer of research paper for **"The Second International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems(CITAES'22)"** organized by the Department of Electronics and Communication Engineering, Seshadri Rao Gudlavalleru Engineering College from 29-30 July 2022.

You learn something every day if you pay attention. - *Ray LeBlond*

- **Ms. G. N. Sandya Devi:** "Time Series Analysis for Weather Prediction Using Prophet Library" at "Second International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems (CITAES'22)" organized by the Department of ECE, SR GEC from 29-30 July 2022.
- **Ms. G. N. Sandya Devi:** Acted as reviewer for the research paper for "The Second International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems (CITAES'22)" organized by the Department of ECE, SR GEC from 29 - 30 July 2022.

Information Technology

- **Mr.J.N.V.R.Swaroop Kumar, Ms. Pooja Yakkala, Ms.Sindhu Pasupulati, Ms.Poojitha Pagolu, Ms.D.N.V.S.L.S.Indira, Mr.Srikanth Gangula :** "Personalized Fuel Assistant Recommendation System based on Artificial Neural Networks", at 4th IEEE International Conference on "Inventive Research in Computing Applications (ICIRCA-2022)" organized by R.V.S.College of Engineering and Technology, Coimbatore from 21-23 September 2022.
- **Mr.J.N.V.R. Swaroop Kumar, Ms.D.N.V.S.L.S. Indira, Ms.G. Sri Jyothi, Ms.Nikhil Sai Vijaya Sri, Mr.S.B.Mukhesh, Ms.A.Yochana :** "A Cloud Application for ECG Arrhythmia Classification using Deep Learning and N Square Approaches", at IEEE International Conference on "Intelligent Innovations in Engineering and Technology (ICIIET-2022)" organized by College of Technology Coimbatore, Tamilnadu, from 22-24 September 2022.
- **Ms.D.N.V.S.L.S.Indira, Mr.M.Hema Reddy, Ms.G. Sri Jyothi, Mr.K. Rohith, Ms.K. Sravya, Ms.G.Jahnavi:** "Indian Agriculture Supply Chain Management Using Blockchain Technology and CNN" in an International Conference on "Automation, Computing and Renewable Systems (ICACRS-2022)" conducted by Mount Zion College of Engineering and Technology, Pudukkottai, Tamil Nadu from 13-15 December 2022.
- **Mr.J.N.V.R. Swaroop Kumar, Ms.G. Sri Jyothi, Ms.D.N.V.S.L.S.Indira, Ms.T.Nagamani:** "Secured Cloud Application for Detection of Brain Tumor Using Deep Learning Algorithms" in the 4th IEEE International Conference on "Inventive Research in Computing Applications (ICIRCA-2022)" organized by RVS College of Engineering and Technology, Coimbatore, India, **21-23 Sep 2022. (IEEE)**

Basic Sciences and Humanities

- **Mr.D.K.Pavan Kumar:** "Integral Transforms of PSI-Function" in the International Conference on "Mathematical Sciences and Emerging Applications in Technology (ICMSEAT-2022)" organized by GITAM, Deemed to be University, Hyderabad from 9-11 September 2022.
- **Ms.P.Rajani:** "Neutrosoptic N-filters of BF-algebra" in the International Conference on "Mathematical Sciences and Emerging Applications in Technology (ICMSEAT-2022)" organized by GITAM Deemed to be University, Hyderabad from 9-11 September 2022.
- **Mr. D.K.Pavan Kumar**: "Finite Multiple Integrals Involving the Psi Function, Generalized Gamma Function and Generalized Hypergeometric Function" in 2nd International Conference on "Essence Of Mathematics in Engineering Applications-2022 (ICEMEA-2022)" organized by K L Deemed to be University in collaboration with APCOST & Science City of Andhra Pradesh from 8-9 Decembe 2022.

PUBLICATIONS

Journal/Conference/Workshop Publications

Electrical and Electronics Engineering

- **Dr. Srinivasa Rao Gampa, Dr. Siva Kumar Mangipudi , Dr. Kiran Jasthi& Dr. Mahesh Babu B :** "Pareto Optimality Based PID Controller Design for Vehicle Active Suspension System Using Grasshopper Optimization Algorithm", *Journal of Electrical Systems and Inf Technology*; 14 December 2022, Page No. 1-18 ,https://doi.org/10.1186/s43067-022-00065-y, Publisher: Springer.
- **Dr. B. Mahesh Babu :** "An Advanced MPPT Algorithm for PV Systems to Track GMPP under PSC Condition, I-Manager's", *Journal on Circuits and Systems*, 18 October 2022, Page No. 35-43,Vol 10, No 2.
- **Mr. A. Amarendra & Dr. L. Ravi Srinivas:** "Optimal Location for FACTS Devices:Hybrid Algorithm to Improve Power Flow and System Security," An *International Journal-Cybernetics Systems*, 20 September 2022, https://doi.org/10.1080/01969722.2022.2122016, **Web of Science**.
- **Mr.A. Amarendra& Dr. L. Ravi Srinivas**: "Enhance Power System Security with FACTS Devices Based on Mayfly Optimization Algorithm", *Journal of Current Science and Technology*, 25 August 2022, Vol 12, No 2, Page No.162-210, ISSN: 2630-0656, https://jcst.rsu.ac.th, **SCOPUS.**

You have learned something. That always feels at first as if you had lost something. - H.G. Wells

❋ **Dr. B. Dasu : "Improvement of the Resilience of a Microgrid Using Fragility Modelling and Simulation"**, *Journal of Electrical and Computer Engineering*, 24 August 2022, Article ID 3074298, Page No.1-12, https://doi.org/10.1155/2022/3074298, **SCOPUS, ESCI.**

Mechanical Engineering

❋ **Mr.K. Ch. Kishor Kumar: "Tribological Parameters optimization of AZ31-SiC Composite Using Whale Optimization Algorithm"**, *Journal of Materials Engineering and Performance*, 23 November, 2022, Vol 2021, issue 05. *(SCI)*

Electronics and Communication Engineering

❋ **Mr.Samanthapudi Bhavani Thangavelu Shanmuganantham** : **"Low Profile Textile Flower Shaped Antenna for Ultra-Wideband Applications"**, Progress In Electromagnetics Research C, Vol. 126, 91-103, 2022. doi:10.2528/PIERC22092201http://www.jpier.org/PIERC/pier.php?paper=22092201

❋ **Mr.S.B.T. Shanmuganantham, Ms. N.Mouni, Mr.G.J.Sai : "Textile UWB Antennas for Biomedical Applications"**, *IRO Journal on Sustainable Wireless Systems*, 4(3), 173-184. doi:10.36548/jsws.2022.3.004 https://irojournals.com/irosws/article/view/4/3/4.

❋ **Mr.S.B.T. Shanmuganantham, Ms. S. Bhavani: "Ultra-Wideband Textile Antenna for WBAN and Health Care Systems"** https://www.ijmot.com/VOL-17-NO-5.aspx.

❋ **Mr.B.V. Krsihna, Mr.A.Gangadhar, Mr.S.Ravi : "A Highly Sensitive Graphene-based Field Effect Transistor for the Detection of Myoglobin"**, Silicon (2022). https://doi.org/10.1007/s12633-022-01790-9

❋ **Mr.Y. Sri Chakrapani**: **"Implementation and Analysis of 32-Bit TCAM (Ternary Content Addressable Memory) using FPGA"**, *International Journal of Emerging Technologies and Innovative Research* (www.jetir.org), ISSN:2349-5162, Vol.9, Issue 9, page no. e659-e663, September-2022, Available :http://www.jetir.org/papers/JETIR2209477.

❋ **Mr.N.Malothu , Mr.V.V.K.D.V.Prasad, Mr.B.T.Krishna : "Tropical Cyclone Detection in South Pacific and Atlantic Coastal Area Using Optical Flow Estimation and RESNET Deep Learning Model"**, Acta Geophys. (2022). https://doi.org/10.1007/s11600-022-00849-w

❋ **Mr.Azmeera Srinivas, Mr.V.V.K.D.V. Prasad, Mr.B. Leela Kumari : "Computer-Aided Diagnosis for Early Cancer Detection Using Adaptive Kernel Based Fuzzy Cuckoo Search Optimization Clustering from Mammogram Images,"** Computers and Electrical Engineering,Volume 103,2022,108343,ISSN 0045-7906,https://doi.org/10.1016/j.compeleceng.2022.108343.

❋ **Mr.P.R.Krishna, Mr.V.V.K.D.V.Prasad, Mr.T.K.Battula: "Optimization Empowered Hierarchical Residual Vggnet19 Network for Multi-Class Brain Tumor Classification"**, *Multimed Tools Appl* (2022). https://doi.org/10.1007/s11042-022-13994-7

❋ **Mr. M.Damodhar Rao, Mr.Y.V.Narayana, Mr.V.V.K.D.V. Prasad : "Ultra Low Power Offering 14 Nm Bulk Double Gate Fin FET Based SRAM Cells,Sustainable Computing: Informatics And Systems"**, Volume 35,2022,100685, ISSN 2210-5379, https://doi.org/10.1016/j.suscom.2022.100685.

❋ **Mr.Senthil Kumar Kandasamy, Mr.S. Maheswaran, Mr.K. R. Kavitha, Mr.D. Karthikeyan, Mr. J.Indra, Mr. K.Sheikdavood, Mr. Y.Syamala, Mr.K. Srilakshmi, Mr.Chandrasekaran Arumugam, Mr. Dhivya Balamoorthy**: **"High-Performance Graphene Oxide/ Polypyrrole/ Ziziphus jujube/ Prunus dulcis Ternary Composite Electrodes for Supercapacitor for Sensor Applications"**, *Journal of Nanomaterials,* vol. 2022, Article ID 9201910, 10 pages, 2022. https://doi.org/10.1155/2022/9201910

❋ **Mr.T.Venkata Lakshmi, Mr.M.Kamaraju :** T-1D Single-Ended SRAM Cell Design for Low Power Applications Using CMOS Technology. In: Majhi, S., Prado, R.P.d., DasanapuraNanjundaiah, C. (eds) Distributed Computing and Optimization Techniques. Lecture Notes in Electrical Engineering, vol 903. Springer, Singapore. https://doi.org/10.1007/978-981-19-2281-7_1

❋ **Mr.A. Mallaiah**, Mr.S.Rajesh: **"Energy Efficient and High-Speed Approximate Macapplications for Dsp"** *Gis Science Journal* volume 9, Issue 9,2022, ISSN NO:1869-9391.

Computer Science and Engineering

❋ **Dr. M. BabuRao:** "Efficient Way to Ensure the Data Security in Cloud Computing", *International Journal on Smart Sensing and Intelligent Systems,* https://doi.org/10.2478/ijssis-2022-0007, Volume:15, Issue: 1, ISSN No: 1178-5608, page: 1-11, June 2022.

❋ **Dr. M. BabuRao: "Text-to-Image Synthesis Using KTGAN, Mathematical Statistician and Engineering Applications"**, ISSN: 2326-9865, Page Numbers: 862 – 869, Vol. 71 No. 3, June 2022. **(SCOPUS)**

❋ **Ms.R Abinaya: "Secured Personal Health Records Using Pattern-Based Verification and Two-Way Polynomial Protocol in Cloud Infrastructure"**, *International Journal of Ad Hoc and Ubiquitous Computing,*

InderScience Publisher, ISSN: 1743-8225, URL: https://www.inderscienceonline.com/ doi/pdf/10.1504/ IJAHUC.2022.123535, Vol 40, No. 1-3, pp 139-147, June 2022 ,Impact Factor: 1.025 **(SCIE)**

❋ **Mr. K.Ashok Reddy, Ms. D. Ragavamsi, Dr. Y. Adilakshmi, Ms. Sk. Salma Begum: "Machine Learning Algorithms for Predictive Analysis in the Identification of Chronic Liver Disease",** Neuro Quantology, Volume 20, Issue 15, Page: 5945-5951-5962, DOI: 10.48047/NQ.2022.20.15.NQ88599, ISSN: 1303-5150, November 2022**. (SCOPUS).**

❋ **Dr.M.Babu Rao, Dr. Y.Adilakshmi: "Detection of Cardiac Arrhythmia Using Multi-Perspective Convolutional Neutral Networkfor ECG Heartbeat Classification",** Revue d'IntelligenceArtificielle , Vol. 36, No. 4, pp. 629-634, Journal homepage: http://iieta.org/journals/ria, https://doi.org/10.18280/ria. 360416, August 2022. **(SCOPUS).**

❋ **Dr.M.Baburao, Ms.Kavitha Chaduvula, Ms.D.N.V.S.L.S. Indira, V.N.S.S.R.K. Sai Somayajulu: "Content-Based Video Recommendation System (CBVRS): a Novel Approach to Predict Videos Using Multilayer Feed Forward Neural Network and Monte Carlo Sampling Method",** published in *the Journal of Multimedia Tools and Applications (Springer Nature)*, on 11 August 2022. PP:1-27, https://doi.org/10.1007/s11042-022-13583-8 Impact factor: 2.577 (2021), Five year impact factor: 2.396 (2021) **(SCIE)**

❋ **Mr.B. Srikanth, Ms.S.Jayaprada, Mr.K. Kranthi Kumar, Ms.Kavitha Chaduvula, Dr.M.Babu Rao, Syed Khasim: "An Optimized Generalized Adversarial System For Predicting Specific Substructures in Brainstem**", published in the *Journal of Multimedia Tools and Applications* (Springer Nature), 17 August 2022. https://doi.org/10.1007/s11042-022-13663-9. Impact factor: 2.577 (2021), Five year impact factor: 2.396 (2021) **(SCIE)**

❋ **Ms.D.N.V.S.L.S. Indira, Dr.M.Babu Rao, Ms.Kavitha Chaduvula, Rathna Jyothi Chaduvula: "Visual and Buying Sequence Features-Based Product Image Recommendation Using Optimization Based Deep Residual Network",** *Gene Expression Patterns*, Volume 45, 2022, September 2022, ISSN 1567-133X, https://doi.org/10.1016/j.gep.2022.119261. (Elsevier) Impact Factor:1.488 **(SCIE)**

❋ **Ms.Kavitha Ch, Dr.M. Babu Rao, Mr.Srikanth. B, Mr. A. Srinivasa Rao, Mr.A.Sri Nagesh, Mr.K. Kranthi Kumar: "Zero Shot Image Classification System Using an Optimized Generalized Adversarial Network",** *Wireless Networks*, Volume 45, Issue 3, 2022, 21 October 2022, eISSN:1572-8196, (Springer), Impact Factor: 2.701, DOI:10.1007/s11276-022-03166-8, **(SCIE)**

❋ **Mr.Kantapalli Bhaskar, Dr.Markapudi Babu Rao: "SSPO-DQN Spark: Shuffled Student Psychology Optimization Based Deep Q Network With Spark Architecture for Big Data Classification",** *Wireless Networks*, Volume 45, Issue 3, 2022, 21st October 2022, eISSN:1572-8196, (Springer), Impact Factor: 2.701, DOI: 10.1007/s11276-022-03103-9 **(SCIE).**

❋ **Dr. M. Babu Rao: "A Hybrid Non-linear Classification Framework for Real-Time Anamoly Detection Video Databases",** NeuroQuantology, Volume 20 , Issue 9 , Page 6262-6269 ,doi: 10.14704/ nq.2022.20.9.NQ44734,September 2022. **(Scopus).**

❋ **Dr. BalaBrahmeswara Kadaru: "Analysis of the Impact of Contextual Segments on the Overall Rating in Hotel Management Recommender Systems",** *Advanced Engineering Science*, ISSN: 2096-3246, Volume 54, Issue 02, Nov,2022. **(Scopus)**

❋ **Mr. M. Ratnakar Babu : "Depression Detection Using State-Of-The-Art-CNN",** *Advanced Engineering Science*, ISSN: 2096-3246, Volume 54, Issue 02, Nov,2022. **(Scopus)**

❋ **Ms. K. JyothsnaLatha: "Prediction of Wireless Sensor Network Attack Using Machine Learning",** *Advanced Engineering Science*, ISSN: 2096-3246, Volume 54, Issue 02, Nov,2022. **(Scopus)**

❋ **Dr. R. Abinaya: "Pulmonary Disease Prediction from X-Ray Images Using Deep Learning",** *Advanced Engineering Science*, ISSN: 2096-3246, Volume 54, Issue 02, November 2022. **(Scopus)**

❋ **Mr. M.N.Satish Kumar: "Lung Opacity Detection Using Transfer Learning",** *NeuroQuantology*, ISSN: 1303-5150,Volume 20, Issue 16, Nov,2022. **(Scopus)**

❋ **Dr.Sk.Salma Begum: "A Deep Clustering for Human Activity Recognition Using Automatic Feature Embedded Learning",** *NeuroQuantology* ISSN: 1303-5150,Volume 20, Issue 16 , Nov,2022. **(Scopus)**

❋ **Mrs. A. Aparna**, **"Detection and Analysis of Covid-19 and Pneumonia through X-Ray Images Using Transfer",** *NeuroQuantology* ISSN: 1303-5150,Volume 20, Issue 16, November 2022. **(Scopus)**

❋ **Dr.N. Rajeswari: "Paddy Leaf Disease Prediction Using Machine Learning",** Neuro *Quantology* ISSN: 1303-5150, Volume 20, Issue 16 , Nov,2022. **(Scopus)**

❖ **Dr.Y.Adilakshmi : "Machine Learning Algorithm Based Model: for Feature Analysis of Nodes to Detect Malicious Behaviour of Wormhole Attack in MANETs",** *NeuroQuantology* ISSN: 1303-5150,Volume 20, Issue 16 , Nov,2022. **(Scopus)**

❖ **Dr. N. Rajeswari: "Glaucoma Detection Using Resnet 50",** *Advanced Engineering Science*, ISSN: 2096-3246,Volume 54, Issue 02, December 2022. **(Scopus)**

❖ **Dr.T. Srinivasarao: "Gray Hole Simulation in Manets",** *Advanced Engineering Science*, ISSN: 2096-3246, Volume 54, Issue 02, December 2022. **(Scopus)**

❖ **Mr.J.N.V.R. Swarup Kumar, Mr.M.N. Satish Kumar: "Sentiment Analysis on Textual Tweets Using Ensemble Classifier (LSTM-GRU)"** in 7th International Conference on "Communication and Electronics Systems (ICCES)", Page No.926-932, IEEE, June 2022.

❖ **Ms.T. Nagamani: "Secured Cloud Application for Detection of BrainTumor using Deep Learning Algorithms,"** in International Conference on "Inventive Research in Computing Applications" (ICIRCA 2022), ISBN : 978-1-6654-9707-7, 2022.

Information Technology

❖ **Mr.Ch.Kavitha, Mr.M. Babu Rao, Mr.B. Srikanth, Mr.A. Srinivasa Rao, Mr.A. Sri Nagesh, Mr. K.Kranthi Kumar: "Zero Shot Image Classification System Using an Optimized Generalized Adversarial Network",** *Wireless Networks*, https://doi.org/10.1007/s11276-022-03166-8, Springer Publisher, 1572-8196, 21 **October 2022, (SCIE)**

❖ **Mr.Baburao Markapudi, Ms.Kavitha Chaduvula, Ms.D.N.V.S.L.S. Indira Meduri, Mr.V. N. S. S. R. K. Sai Somayajulu: "Content-Based Video Recommendation System (CBVRS): A Novel Approach to Predict Videos Using Multilayer Feed Forward Neural Network and Monte Carlo Sampling Method",** *Multimedia Tools and Applications*, https://doi.org/10.1007/s11042-022-13583-8, Springer Publisher, ISSN 1380-7501, August 2022, (SCIE)

❖ **Mr.B.Srikanth, Ms.S.Jayaprada, Mr.K.Kranthi Kumar, Ms.Kavitha Chaduvula, Mr. BabuRao Markapudi, Mr.Syed Khasim: "An Optimized Generalized Adversarial System for Predicting Specific Substructures in Brainstem",** *Multimedia Tools and Applications*, https://doi.org/10.1007/s11042-022-13663-9, Springer Publisher, ISSN 1380-7501, August 2022, (SCIE)

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❖ **Ms. Mounika Edupuganti, Ms.V.Rathikarani, Ms.Kavitha Chaduvula: "A Real and Accurate Ultrasound Fetal Imaging Based Heart Disease Detection Using Deep Learning Technology",** *International Journal of Integrated Engineering*, VOL. 14 NO. 7 (2022) 56-68, ISSN : 2229-838X, DOI: https://doi.org/10.30880/ijie.2022.14.07.005, 31 December 2022, (Scopus).

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"A good teacher is like a candle – it consumes itself to light the way for others." - Mustafa Kemal Atatürk

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⁂ **Dr. Sk.Bajivali :** "Bio Analytic and Analytic Method Quantitative to Tucatinib Estimation in Pure and Pharmaceutical Dosage Form", *Journal of YMER*, ISSN : 0044-0477 ,Volume 21, August 2022; Pages : 782-792.

⁂ **Mr. P.Ramireddy:** "Unsteady Radiative Flow of Particular Nan liquids along an Infinite Vertical Flat Plate in the Proximity of Convective Boundary Condition", ISSN 2169-432X/2022/11/988/008, Volume 11, OCT-2022; Pages: 988–995.

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⁂ **Dr.B.Akkayya** published a patent entitled with **"Down-Hole Fluid Flow Control System and Method Having Dynamic Response to Local Well Conditions",** Application no. 202241003792 A, on 15 July 2022.

⁂ **Dr. R.Swetha** published a patent entitled with **"Laplace Transform in Solving Partial Differential Equation in the Second Derivative and Its Application",** Application No. 202221068103 A, on 02 December 2022.

⁂ **Dr.P.Suma Latha** published a patent entitled with **"Machine Learning Based Approach To Study The Ecological Factors And Its Impact In Managing Air Pollution"** Application No. 202211066143 A, on 9 December 2022.

⁂ **Dr. P.Suma Latha** published a patent entitled with **"Artificial Intelligence Based Approach to Monitor the Growth of Oyster Mushroom Using Sawdust and Agriculture Waste as Substrate"** Application No. 202241071317 A, Published on 30 December 2022.

Master of Business Administration

⁂ **Dr. Madhavi Sripathi, Ms.T.S.Leelavati** : **"A Green Marketing Exploration: A Shift from Traditional Marketing for a Sustainable Environment"** *Neuro Quantalogy* (**SCOPUS Indexed Journal**),) e-ISSN: 1303-5150, Volume :20, No: 8, August 2022,p.p.2785-2792, DOI Number: 10.14704/nq.2022.20.8.NQ44310.

⁂ **Ms.K.Susmitha, Dr.G.Kamal**: **"The Performance of Selected Equity Growth Fund : An Analysis of the Indian Stock Market",** *Neuro Quantalogy* (**SCOPUS Indexed Journal**),) e-ISSN: 1303-5150, Volume :20, No: 8, August 2022,p.p.3566-3572, DOI Number: 10.14704/nq.2022.20.8.NQ44384.

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⁂ **Ms.T.S.Leelavati**: **"Artificial Intelligence and Machine Learning for Business"** *Academy of Marketing Studies Journal* (AMSJ), ISSN: 1528-2678, Volume :26, No: 6, August 2022.(**ABDC**)

"I like a teacher who gives you something to take home to think about besides homework." - Lily Tomlin

❋ **Mr.K.Prudhvi Raj, Dr.P.V.M.Raju:** **"A Study on Determinants of Consumer's Purchase Intention Towards PLB's of FMCG/ Grocery Retail",** *Neuro Quantalogy* (**SCOPUS Indexed Journal**), e-ISSN: 1303-5150, Volume :20, No: 10, August 2022,p.p.1591-1595, DOI Number: doi: 10.14704/nq.2022.20.10.NQ55142.

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❋ **Dr.G.Kamal, Mr.T.Hemanth Kumar, Ms.K.Susmitha: "Linkage of Indian equity market with developed economies equity markets",** (September 14, 2022). Available at SSRN: https://ssrn.com/abstract=4218617 or http://dx.doi.org/10.2139/ssrn.4218617.

❋ **Ms.T.S.Leelavati, Dr. Madhavi Sripathi**: **"Business analytics –a systematic literature review"**, *Academy of Marketing Studies Journal,* 27(S2), 1-6. .(**ABDC**) Volume 27, Special 2 Issue 2, 2022

PATENTS

Published/ Filed

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❋ **Dr. M.Siva Kumar, Dr.L.Ravi Srinivas, Mr.A.Amarendra and Ms.Ch.Sujatha** published a patent entitled with "**Multiple Compartments of Smart Trolley with Automatic Separation Means**", Application No.202241061748 A, in Official journal of patent on 04 October 2022.

❋ **Dr. Kalyan Raj, Mr.G.Balaji,Mr. J.Hema Sundar, Mr.D.Vijay Arun and Mr.D. Bhavana Rushi** published a patent entitled with "**Cursor Controlling System for Information Processing Device**", Application No 202241051264 in Official journal of patent on 16 September 2022.

❋ **Dr. G.Srinivas Rao, Mr.Md. Rafi Khan, Mr.E. Vargil kumar, Dr. B. Madhu Kiran, Dr. B.Mahesh Babu** published a patent entitled with **"System for Resisting Gas Flow",** Application No **202241051265** in official journal of patent on 16 September 2022.

❋ **Mr.A.Amarendra** published a patent entitled with "**Hybrid & Electric Vehicles Charging at Running Time**", Application No.202241037613 A, in Official journal of patent on 08 July 2022.

Electronics and Communication Engineering

❋ **Dr.K.Srilakshmi, Dr.T.Ananda Babu, Mr.G.Ramakrishna, Mr.B.Vamsy Krishna and Mr.P.Anil Kumar** received a patent for an invention entitled **"Integrated Alert System with Wireless Network"** for 3 years (2022-2025).

Computer Science and Engineering

❋ **Dr..Srinivasa Rao Tumma, Dr.SrideviGutta, Mr. Nagasatish Kumar Maganti, Mr. Bhaskar Kantapalli, Ms. AparnaAllada**: "**Artificial Intelligence (AI) Based System for Neural Networking**" with Patent number: 202241051256A, Issued by Intellectual Property India, Official Journal of the Patent Office, GOI, India, 16 September 2022.

❋ **Ms.Shaik Salma Begum, Ms.RaghavamsiDavuluri, Ms.Nagamani Tenali, Mr. Amruta Sagar Kavarthapu, Mr.Avinash Potluri**: "**Health Based Monitoring System and Methods Thereof**" with patent number: 2022415051260A, Issued by Intellectual Property India, Official Journal of the Patent Office, GOI, India, 16 September 2022.

Information Technology

❋ **Dr. S. Meenakshi, Dr.Shahanawaj Ahamad, Mr.Rajeev Ratna Vallabhuni, Dr. Malmarugan, Ms. R.Rathiya, Mr.Kasiviswanadham Yadlapalli, Mr.Vijaya Krishna Rayi, Mr.Amol P. Gargelwar, Mr.Bhaveshkumar H. Pithadiya, Mr.Sudhanshu Maurya, Mr.RohanVerma, Dr. Manmohan Singh Rauthan:** "**Block Chain For IoT Security And Privacy**", Published Indian Patent , Application No.202241077458 published on 31 December 2022.

❋ **Mr.Baburao Markapudi, Ms.Kavitha Chaduvula, Mr.Ch.V.Murali Krishna, Mr.K.V. Daya Sagar:** **"Internet of Things (IoT) Based Battery Energy Distribution Management System and Method Thereof",** **A**pplication No. 202241072743 published on 30 December 2022.

- **Dr.Arti, Dr.Avani Dave, Dr.Leena Patel, Mr. Kasiviswanadham Yadlapalli, Dr C.K.Gomathy, Dr.PanemCharanarur, Divya Sharma, Dr. Vijay Kumar Salvia , Dr.S.Pratap Singh , Dr.Devabalan Pounraj, Ms.B.Veena, Dr. Harikumar Pallathadka**: **"Cyberslacking and Remote Workers" Computer Security Attitudes: An Empirical Analysis is Proposed to Assess Threats to Organizational Cybersecurity"**, Application No.202211075682 published on 26 December 2022.

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- **Dr. KavithaChaduvula, Mr.Kasiviswanadham Yadlapalli, Dr.Chandanapalli Suresh Babu, Mr.Battina Srinuvasu Kumar, "A Smart Medicine Dispenser with Efficient Monitoring System and Method Thereof",** Application No. 202241061747, published on 30 October 2022.

- **Dr. M.V.L.N.Raja Rao, Mr.M.Nagaraju, Ms.Tella Sumallika, Mr.I.Lakshmi Narayana, Mr.P.Siva Satya Sreedhar**: **"Communication Prioritizing Devices and Method Thereof",** Application No. 202241051263 published on 16 September 2022.

- **Mr.Badugu SobhanBabu, Ms.Puppla Naga Sravanthi, Ms.Allada Koteswaramma, Ms.Cheerla Pooja Rani, Mr.Balaji Tedla: "Method for Artificial Intelligence (AI) based Virtual Educating Platform",** Application No. 202241051262, publication on 16 September 2022.

R&D ACTIVITIES

Consultancy Work

Civil Engineering

- Consultancy cell undertook various consultancy works worth of Rs.10,22,230/- from July 2022 to December 2022 from various clients i.e., ONGC- Rajahmundry, Mega Engineering infrastructure's limited, Dokiparru; Power Mechanical, GVR Premco Limited, Gudivada. The cell took up the works related to designing of rig foundations, GramaSachivalayam and school buildings in the villages of Krishna District.

Electrical and Electronics Engineering

- Department of EEE has an MOU with Vihan Electrix, Kranti Nagar, Visakhapatnam on 28 September 2022.

TRAINING AND PLACEMENT ACTIVITIES

Training Activities:

Pre-Placement Training to the Class of 2023

- Training in Aptitude and Technical Ability was conducted for CIVIL, EEE, ME, ECE, CSE & IT branches through External Experts from Tuesday to Friday of every week. Each student is imparted **2** hours of training and **2** hours of Lab practice sessions per week in III B.Tech.-II Semester.

- **CTS GENCNEXT** Specific Training Classes were held by external faculty from 4th July 2022 to 30th July 2022 (23 days) for CIVIL, EEE & ME students. 160 students got selected from all branches.

Pre-Placement Training to the Class of 2024

- Programming for Corporate classes for CIVIL, EEE, ME, ECE, CSE, IT, AI&DS & IOT branches were conducted by External Experts from Monday to Wednesday of every week. Each student is imparted **2** hours of training and **2** hours of Lab practice sessions per week during II B.Tech. II Semester.

- Conducted **Competitive Coding (Data Structures)** classes for ECE, CSE, IT, AI&DS & IOT branches and **Problem Solving Enhancement** classes for CIVIL, EEE, ME branches by External Experts from Monday to Wednesday of every week. Each student is imparted 2 hours of training and 2 hours of Lab practice sessions per week during III B.Tech.I Semester.

- **2 Weeks** of **"INFYTQ"** Specific Training program for the Class of 2024 (ECE, CSE, IT, AI&DS & IOT branches) for registered students and Aptitude Training for un-registered students was held from 23.01.2023 to 04.02.2023.

Pre-Placement Training to the Class of 2025

- Conducted **Logic Building & Algorithmic Programming** training classes for ECE, CSE & IT, AI&DS, IOT & AI&ML branches and **Logic Building & Basic Coding Principles** classes for CIVIL, EEE & ME branches by

External Experts from Thursday to Saturday of every week. Each student is imparted **2** hours of training and **2** hours of Lab practice sessions per week during II B.Tech. I Semester.

Placement Activities

✦ **M/s. CIAV** executives conducted Overseas Higher Education Awareness Camp for the Class of 2022 & 2023 on 06.08.2022. As a part of this program, after addressing the students, they have conducted individual counseling sessions to the students whoever approached the counseling desk at T&P Cell.

✦ **M/s. ICC** executives conducted Overseas Higher Education Awareness Camp for the Class of 2023 & 2024 on 09.09.2022. As a part of this program, after addressing the students, they have conducted individual counseling sessions to the students whoever approached the counseling desk at T&P Cell.

✦ **M/s. LEO** executives conducted Overseas Higher Education Awareness Camp for the Class of 2023 & 2024 on 27.10.2022. As a part of this program, after addressing the students, they have conducted individual counseling sessions to the students whoever approached the counseling desk at T&P Cell.

Total Placements for the Class of 2022 & 2023

Batch	Civil	EEE	ME	ECE	CSE	IT	MBA	Total
2019-23*	19	51	55	204	230	69	30	658
2018-22	32	133	109	431	524	153	33	1415

SPORTS

University Blues

✦ **M.Divi Teja (20485A0139)** was selected for JNTUK Table Tennis Women's team for the South Zone Inter University Table Tennis Tournament hosted by Jain University, Bangalore from 14-16 November 2022.

✦ **R.Yuvaraju (19485A0262)** of IV EEE was selected for JNTUK Kabaddi Men's team for the South Zone Inter University Kabaddi Tournament hosted by Bangalore City University, Bangalore from 7-9 December 2022.

✦ **P.Bhanu Prakash (21481A0270)** of II EEE was selected for JNTUK Hockey Men's team for the South Zone Inter University Hockey Tournament hosted by Bangalore City University from 11-16 December 2022.

✦ **K.Anitha (21481A6028)** of II IoT and **M.Nisha (21481A04D3)** of II ECE were selected for JNTUK Kabaddi Women's team for the South Zone Inter University Kabaddi Tournament hosted by AMET University, Chennai from 21-24 December 2022.

✦ **K.Anitha (21481A6028)** of II IoT and **Ch.Sushma (20481A1227)** of III IT were selected for JNTUK Volleyball Women's team for the South Zone Inter University Volleyball Tournament hosted by Mahatma Gandhi University, Kottayam from 27-31 December 2022.

JNTUK University Teams Coaching Camps

University Volleyball Team Coaching Camp (women's):

JNTUK Volleyball Women's team coaching camp was organized by SR GEC from 23-25 December 2022. 12 players representing from various affiliated colleges of JNTUK attended for coaching. The team participated in South Zone Inter University Volleyball Women's tournament hosted by MGU University, Kottayyam from 27 -30 December 2022.

University Ball Badminton Team Coaching Camp (men's):

JNTUK Ball Badmition men's team coaching camp was organized by SR GEC from 7-10 January 2022. 10 players representing from various affiliated colleges of JNTUK attended the camp. The selected team participated in All India Inter University Ball Badmition Men's Tournament hosted by Mangalore University, Karnataka from 13 -17 January 2022.

Jntuk Inter University Selection Trails

Table Tennis Selection Trails (Women):

JNTUK Table Tennis women's team selection trails were held at SR GEC on 6 November 2022. 19 players representing from various affiliated colleges of JNTUK attended for selection trails. The selected team participated in South Zone Inter University Table Tennis women's tournament hosted by Jain University, Bangalore from 11 - 13 November 2022.

Your best teacher is your last mistake. - *A P J Abdul Kalam*

Ball Badminton Selection Trails (Men):

JNTUK Ball Badminton men's team selection trails were held at SR GEC on 3 January 2023. 25 players representing from various affiliated colleges of JNTUK attended the selection trails. The selected team participated in All India Inter University Ball Badminton men's tournament hosted by Mangalore University, Karnataka from 13 -17 January 2023.

JNTUK Inter Collegeate Athletics Meet:-

Students of SR GEC participated in JNTUK Inter Collegiate Athletics Championship Meet and received five Gold medals, one Silver and one Bronze medals in various events. This Meet was organized by Aditya Engineering College, Surampalem, Kakinada from 3-5 December 2022.

Mechanical Engineering

* **Sayana Jaya Krishna** (21481A03A0) got the Second place in the second A.P. State Indian Style Wrestling Championship for Men and Women under the weight category of 75 kgs, held at Alluri Seetharama Raju Stadium, Eluru from 22- 23 December 2022.

Computer Science and Engineering

* **K. Uma Maheswari** (21485A0508) was selected for inter-university Rope Skipping and **D.Sushma** (20481A0543) was selected for inter-university Rope Skipping Double Dutch.
* **V.Grace Vijaya** (21481A05O4) was selected for inter-university games and received gold, silver medals in Double Dutch.

NSS ACTIVITIES

* Various events were conducted on the occasion of **AZADI KA AMRUTH MAHOTSAV** (In memory of Freedom Fighters) on the campus. A blood donation camp was organized on 4 July 2023. About 150 students of SR GEC donated their blood on this occasion. A plantation program, Essay Writing, Drawing, Songs, Debate and Short Film Making competitions were held on this occasion.
* AZADI KA AMRUTH MAHOTSAV - Sadhbhavana yatra (a rally) was held with National Flags on 12 August 2022. A humanchain was formed with more than thousand students on this occasion.
* **Dr V. Naveen Kumar,** Sr. Grade Assistant Professor and coordinator of NSS of the college of BS&H Department, received the best Programme Officer of JNTUK award at Krishna University, Machilipatnam on 24 September 2022.
* **Clean 2.0 Programme** was organized under NSS unit from 25-28 October 2022. Nearly 150 volunteers collected debries of plastic and created awareness among the villagers about ill effects of plastic.
* On the occasion of Rashtriya Ekta Diwas (National Unity Day), commemorating Sardhar Vallabhaipatel birth anniversaty, 150 Students participated in 'Run for Unity' programme on 31 October 2022. Essay Writing competition was also held on this occasion.

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"Don't limit a child to your own learning." - Rabindranath Tagore