



NAGARJUNA
COLLEGE OF ENGINEERING & TECHNOLOGY



VISION

Leadership And Excellence In Education

MISSION

To fulfil the vision by imparting total quality education replete with philosophy of blending human values and academic professionalism

**Department of
Electronics and Communication Engineering**

TARANGA - 2023

Newsletter - Edition VIII | August 2023



J. CHAITANYA VARMA | CEO, NGI, BENGALURU



It's always great to see departments taking an active role in keeping their students informed about the latest developments and achievements within their field. Newsletters like TARANGA-2023 not only help students stay up-to-date with the latest news and events within their department, but also provide valuable networking opportunities with other students and professionals in their field. By encouraging active participation, the department is helping students to build their skills and knowledge, which will undoubtedly benefit them in their future careers. It's always inspiring to see departments take such an active role in supporting their students and promoting a culture of learning and excellence. Congratulations to the ECE Department on their eighth edition of TARANGA!

BHANU CHAITANYA VARMA | COO, NGI, BENGALURU

Newsletters like Taranga play a vital role in keeping students informed and engaged with their department, as well as providing a means for them to showcase their work and achievements. It's great to see that the department is taking steps to foster a creative and collaborative environment, which will undoubtedly benefit its students in their future careers. I extend my congratulations to the editorial team of faculty and students for their hard work in producing this magazine, and I wish them all the best for its success. I'm sure that Taranga will become a must-read for anyone interested in the happenings and achievements of the Electronics & Communication department.



DR. S. G. GOPALA KRISHNA | DIRECTOR, NGI

It's great to hear that your Electronics & Communication department is releasing the 8th issue of TARANGA to showcase the department's activities and bring out the hidden talents of both students and faculty. It's essential to have a technical platform to showcase the accomplishments of the department, and I'm glad that TARANGA is serving this purpose.

Overall, I wish the department all the best for the release of TARANGA's 8th issue and hope that it continues to serve as an excellent platform for showcasing the department's achievements and fostering the talents of the students and faculty.



DR. B.V RAVISHANKAR | PH.D. (IISC) PRINCIPAL, NCET



Congratulations to NCET on the release of the News Letter 'TARANGA 2023' by the Department of ELECTRONICS & COMMUNICATION. It's wonderful to hear that the department has made significant progress in all areas, including academics, non-academics and capacity building relevant to staff and students. The release of this newsletter is an excellent opportunity to showcase the department's achievements and highlight the efforts of the faculty and students towards technical education and technology activities. It's great to see the positive signal being sent to staff, students and others interested in education

It's inspiring to know that the department has a team of highly motivated and learned faculty who are dedicated to teaching and research. The experience will undoubtedly help in shaping the future of students and preparing them to work in a global multicultural environment. A newsletter is indeed a mirror that reflects the activities and accomplishments of a department and it also helps to develop writing skills among students and faculty members. The efforts of the editorial board in completing the newsletter within the stipulated time are truly praiseworthy.

I extend congratulations to Dr. Nagesh K.N., Prof & HOD, ECE and the entire staff and student community for their fruitful endeavors. Students have exhibited a great zeal and enthusiasm and significantly to the inter and intra college activities like Seminars, Workshops, Conferences, Placement programs, Technical and Cultural events etc. The editorial team has initiated something that will continue to help and guide present and upcoming students of the department personally, I feel that students should set standards and create environment so that they excel in their areas of interest and accordingly guide more students in future. On our part we will continue to swirl to make achievements for you. We wish all the best in your endeavors.

DR. NAGESH K.N | PROFESSOR & HOD, DEPT OF ECE, NCET



I am very delighted to share that the Department of Electronics and Communication Engineering is releasing the 8th issue of 'TARANGA'. Newsletters like this provide an excellent platform to showcase the hidden talents of students and faculty. The department's strength lies in its team of qualified and dedicated faculties who constantly support the students in achieving academic excellence. This edition of TARANGA reflects the department's achievements, the enthusiasm of its students and teachers, and their goals and experiences, whether it be curricular, co-curricular, or extra-curricular activities during this semester.

The Electronics and Communication Engineering Department is committed to producing confident professionals who are well-prepared for the real-world work environment. It is commendable that the department provides an excellent academic environment with highly qualified faculty members who inspire students to develop their technical skills and instill the spirit of teamwork. The success of the graduates of this stream in being selected by leading software industries is a testament to the quality of education and training provided by the department. The initiative taken by the faculty and students for social causes is highly admirable and a reflection of the values instilled by the department. I am sure that the undergraduate program offered by the department would be a great opportunity for students who are looking to pursue a career in electronics and communication engineering. The commitment and dedication of the team would definitely help students to achieve success in their professional lives.

I congratulate the team members on the successful publication of the newsletter 'TARANGA-2023' and wish them the very best in all their future endeavors

FROM EDITOR'S DESK



Mrs. Rashmi G P
Assistant Professor



MS. Sunitha M
Assistant Professor

It is with great pleasure that we present to you the 8th edition of the ECE Department Newsletter, Taranga 2023. This publication serves as a testament to the remarkable achievements and continuous growth within our department. First and foremost, we would like to express our heartfelt gratitude to all the contributors who generously shared their knowledge, experiences, and insights for this newsletter. Your contributions have made Taranga 2023 a comprehensive and informative resource for our readers.

The success of our department lies in the dedication and excellence of our faculty members. We are proud to have an outstanding group of educators, many of whom are emerging stars in the instrumentation discipline. Their commitment to providing a quality education that encompasses both traditional and emerging areas of Electronics & Communication Engineering is truly commendable.

One of the highlights of this edition is the Department Magazine section. We firmly believe that a college magazine is not just a reflection of college life, but also a platform for our students to showcase their literary, creative, and scholarly talents. We are delighted to feature a diverse range of contributions, including essays, short stories, poems, and informative articles written by our talented students. This magazine serves as a testament to the intellectual potential and creativity that thrives within our department.

We would like to extend our sincere appreciation to Mr. Sunil Kumar B.S, Mrs. Naghma Anjum, and Mrs. Rani B.A for their exceptional efforts in developing and drafting Taranga 2023. Their dedication and meticulous attention to detail have undoubtedly made this edition a resounding success.

We would also like to take this opportunity to express our gratitude to the Management, Principal, and HOD for their unwavering support and encouragement. Their belief in our vision and their willingness to provide us with a free hand in this endeavor have been instrumental in bringing this publication to life.

As we celebrate the achievements of the past academic year, let us also look forward to the future with renewed enthusiasm and determination. The ECE Department will continue to strive for excellence, pushing the boundaries of knowledge and nurturing the talents of our students.

We hope you enjoy reading Taranga 2023 and find inspiration within its pages. We welcome your feedback and suggestions for future editions as we endeavor to make each publication even more engaging and impactful.

Thank you for your continued support and readership.

Editorially yours,
Mrs. Rashmi G P
MS. Sunitha M

EDITORIAL COMMITTEE



Mr. Sunil Kumar B.S
Assistant Professor



Mrs. Naghma Anjum
Assistant Professor



Mrs. Rani B A
Assistant Professor

UG TOPPERS LIST 2022 - 2023 ODD SEMESTER

7th semester

Rank	USN	Name of Students	SGPA
1	1NC19EC039 1NC19EC041 1NC19EC046 1NC19EC065 1NC19EC070 1NC19EC084 1NC19EC090 1NC19EC095	KAVYA REDDY M M KEERTHI K N KUBENDRA L REDDY NAYANA S POOLA DILLI PRASAD SAIKRISHNA S SNEHA SHAMBULING KIRAGI VAISHNAVI M	10
2	1NC19EC049	LAVANYA M	9.9
3	1NC19EC017 1NC19EC093	BINDU S P TEJASHREE A V	9.85 9.85
4	1NC19EC050 1NC19EC099	MANASA H R VINAY K V	9.8 9.8
5	1NC19EC085	SANIYA KOUSAR S	9.75

5th semester

Rank	USN	Name of student	SGPA
1	1NC20EC004 1NC20EC041	C K CHANDAN SRINIVAS S	9.6 9.6
2	1NC20EC006	CHANDANA S	9.36
3	1NC20EC029	NASEER ULLA KHAN	9.32
4	1NC20EC020	LIKHITHA H K	9.2
5	1NC20EC028	NARENDRA BABU MADHURI	9.12

3rd semester

Rank	USN	Name of Student	SGPA
1	1NC21EC097 1NC21EC057	SNEHA C S MEGHANA H R	9.56 9.56
2	1NC21EC095	SMITHA D	9.33
3	1NC21EC015	BHARANI H D	9.22
4	1NC21EC037	I SAMEERA MUSKAN	9.06
5	1NC21EC065 1NC21EC116	NITHEESH KUMAR N E VINAYAK	9.00 9.00

ECE DEPARTMENTAL ACTIVITIES

- I. Distinguished Alumni Talk on 'Introduction to Robotics and Embedded Systems' by Mr. Pavan Attavane (2015 batch ECE Alumni), Director, Advitiya R&D Labs, Bengaluru. Organized by Department of ECE In association with Robotics club and NCET Alumni Association on 15th March 2023.





II. Department of ECE in association with NCET Institution's Innovation Council, and NISP organized an expert talk on '**HiPCO Carbon Nanotube: Research Opportunities in Multidisciplinary Nanoscience**' on 28th January 2023. **Mr. Gadhadar Reddy**, Founder and CEO, NoPo Technologies spoke about the research opportunities in the field of Nano science.




Electronics and Communication Engineering
 in association with
National Innovation Start-up Policy-Institution's Innovation Council
 Organises Expert Talk on

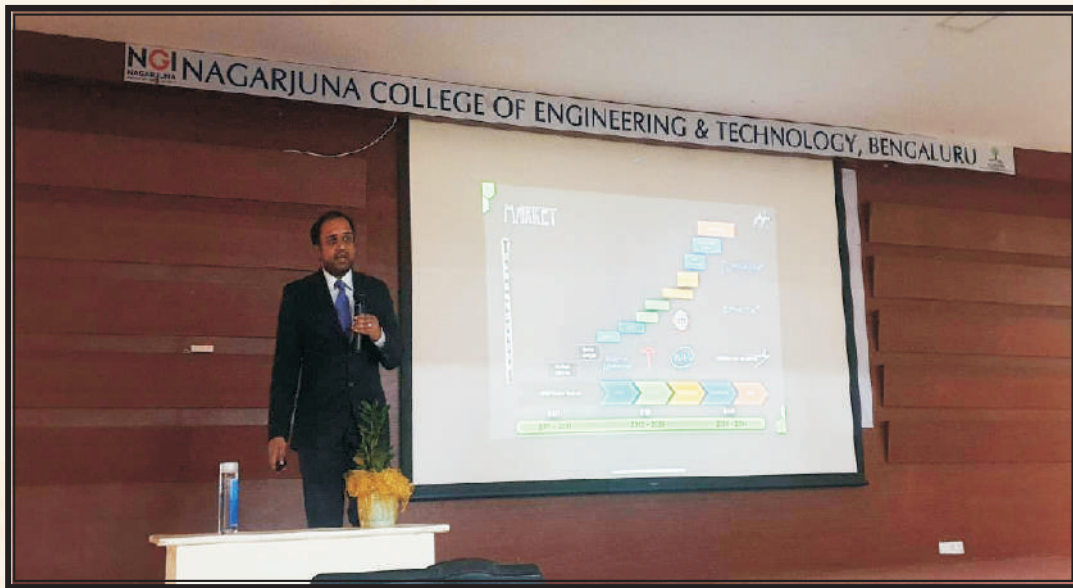
**HiPCO Carbon Nanotube: Research Opportunities
 in Multidisciplinary Nanoscience**

Resource Person
Mr. Gadhadar Reddy
 Founder & CEO
 NoPo Technologies, Bengaluru

28th January 2023
 11:00 A.M. to 1:00 P.M.

Seminar Hall, NCET



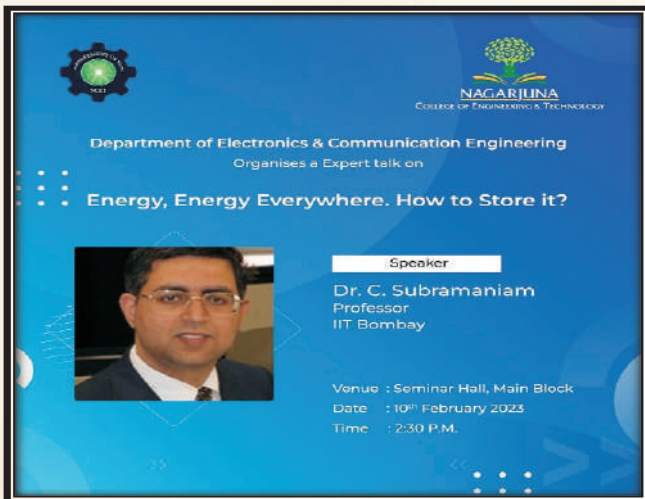


III. Presenting an Expert talk on "Hand-held Nano-Biosensor for measurement of Nitric Oxide and its Metabolites from Human Blood" by Dr. Kalpana Bhargava, Scientist 'F', DRDO, Pune. Organized by ECE Department on 17th Feb 2023.





IV. Energy Everywhere, But How to Store it!! A Expert talk on energy by Dr. C. Subramaniam, Professor, IIT Bombay Organized by ECE Depārtment.



V. Expedition to "ATL Idea Lab" - VTU research Centre Organized by Dept. of ECE in association with IIC NCET for 1st sem students on 6th Feb 2023.





VI. HAL Heritage Centre visit for 3rd sem Electronics & Communication Students on 02.02.2023





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Feb 02, 2023, 11:45



vivo X50 Pro 5G
Feb 02, 2023, 11:45



vivo X50 Pro 5G
Feb 02, 2023, 12:30



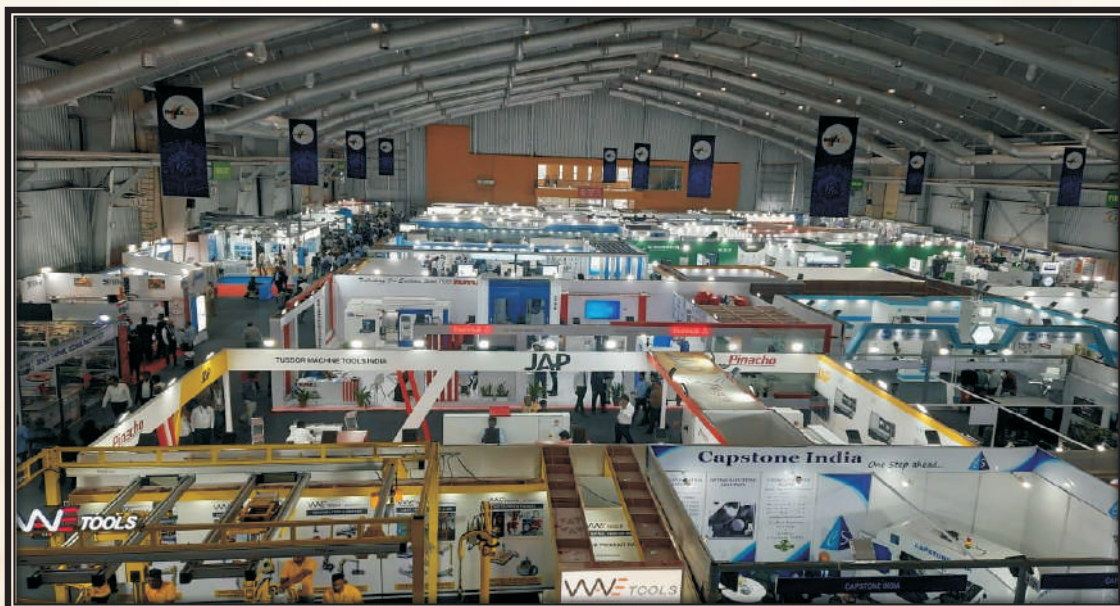
vivo X50 Pro 5G
Feb 02, 2023, 12:57



vivo X50 Pro 5G
Feb 02, 2023, 12:57



VII. An Exciting visit to **IMTEX 2023** at BIEC, Bengaluru on 23rd Jan 2023. Accompanied by 3rd sem ECE students along with the faculty members.





VIII. Knowledge sharing on "**Overview of OLTP Programme at Japan**" by Dr. Rohith S, Associate Professor, Department of Electronics and Communication Engineering was organized on 22.09.2022 at 2.30PM by Internal Quality Assurance Cell, NCET.



- IX. On account of Engineers Day celebration in the campus, students developed electric Buggy was handed over to the college. The electric buggy was completely revamped by the students which was mentored by in house Incubation Center Re Batt energy solutions pvt Ltd .



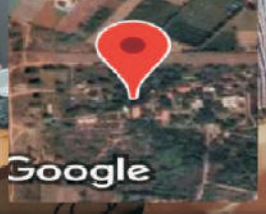
- X. Department of Electronics & Communication Engineering, Nagarjuna College of Engineering and Technology organized Industrial Visit to Titan Eye Plus for 3rd semester ECE students on 02.12.2022.





XI. Indiān Institute of Astro Physics Visit for 7th sem Electronics & Communicātion Students on 09.11.2022.





Google

GPS Map Camera

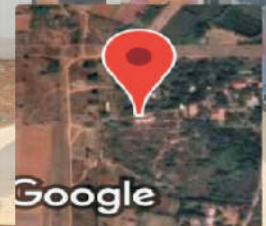
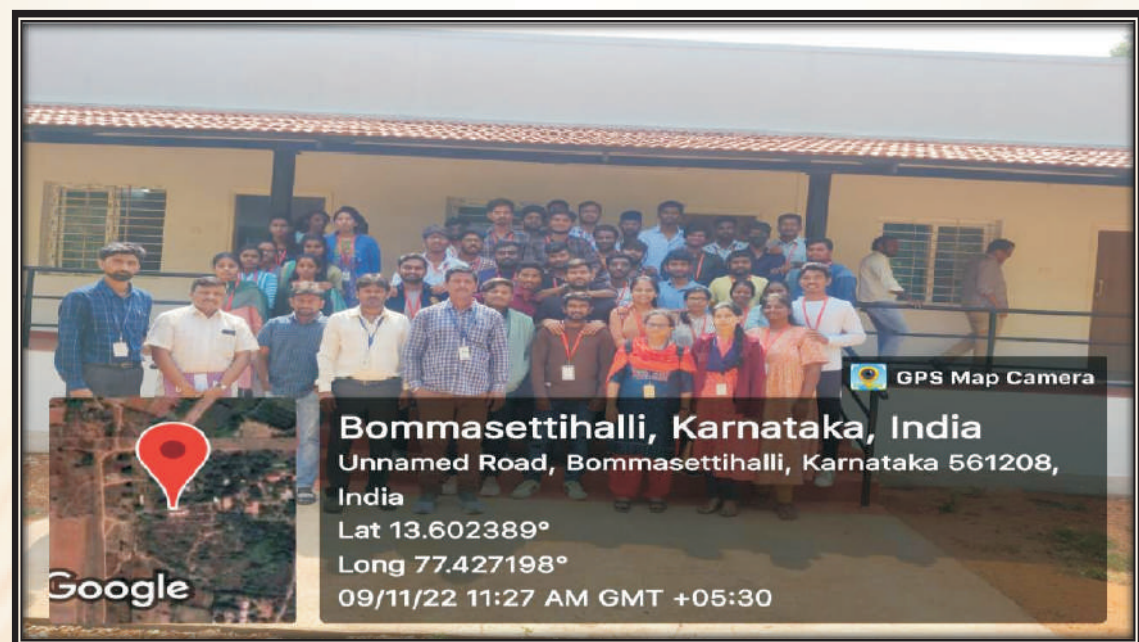
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Long 77.427973°
09/11/22 01:13 PM GMT +05:30



Google

GPS Map Camera

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Google

GPS Map Camera

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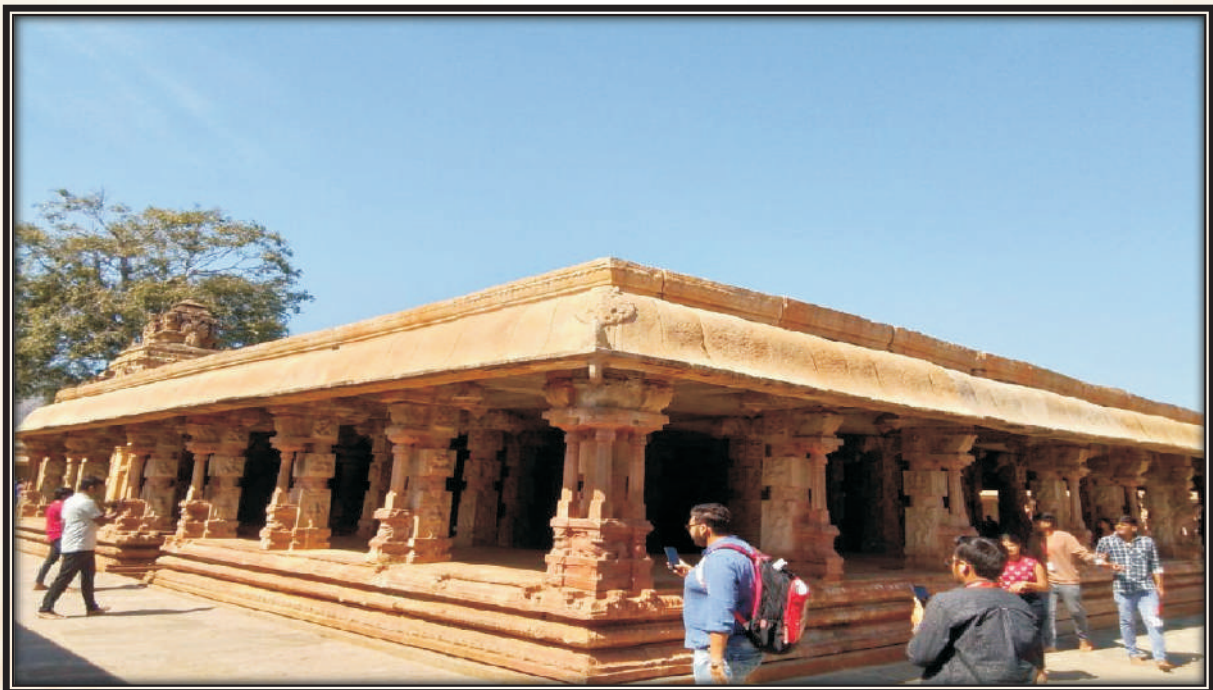


XII. Department of Electronics and Communication Engineering organized a “Fresher's Day” on 20/12/2022 to welcome 3rd semester students to the department.





XIII. As a part of social Connect and Responsibility subject we took our third semester students for Heritage visit to Bhogandishwara temple on 23rd December 2022.



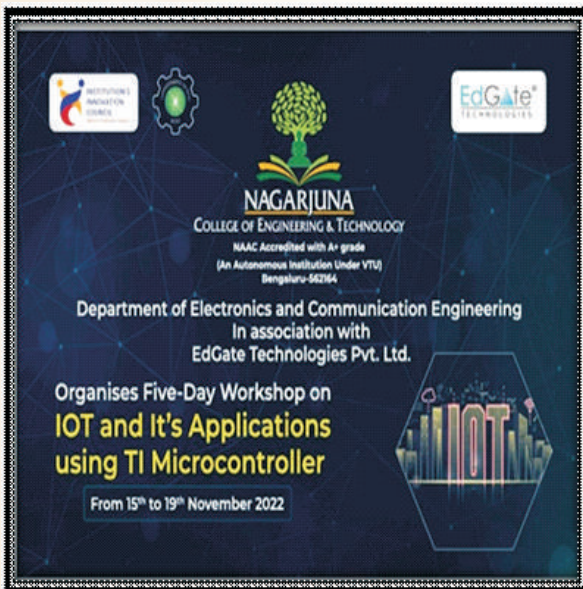


XIV The Department of Electronics and communication, Nagarjuna College of Engineering and Technology has organized an Invited talk on “The Enormous Leap” by Mr. Pradeep Salla, Sr. Technical Manager, Siemens On 10/12/2022 for the ECE students of NCET.





XV A Five day hands-on workshop from 15th- 19th November 2022 “IoT and its Applications using TI Microcontroller” was conducted for 5th semester ECE students by resource person Mr. Sāmārth Kulkārni, Embedded System Engineer, EdGate Technologies, Bengaluru.





XVI. Dr.Rohit S, Associate Professor, Dept. of ECE, Nāgārjunā College of Engineering ānd Technology (NCET) Selected for The Trāining Progrām on Spāce Engineering Educātion Methods (ENUS) to be held in Tokyo, Jāpān from 18 to 31 August 2022 The TWO Weeks Trāining is Fully Sponsored by The Associātion for Overseās Technicāl Cooperātion ānd Sustāināble Pārtnerships (AOTS), Tokyo 120-8534.



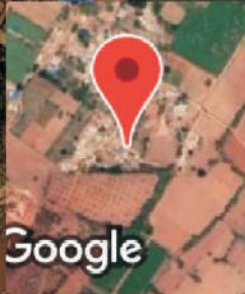
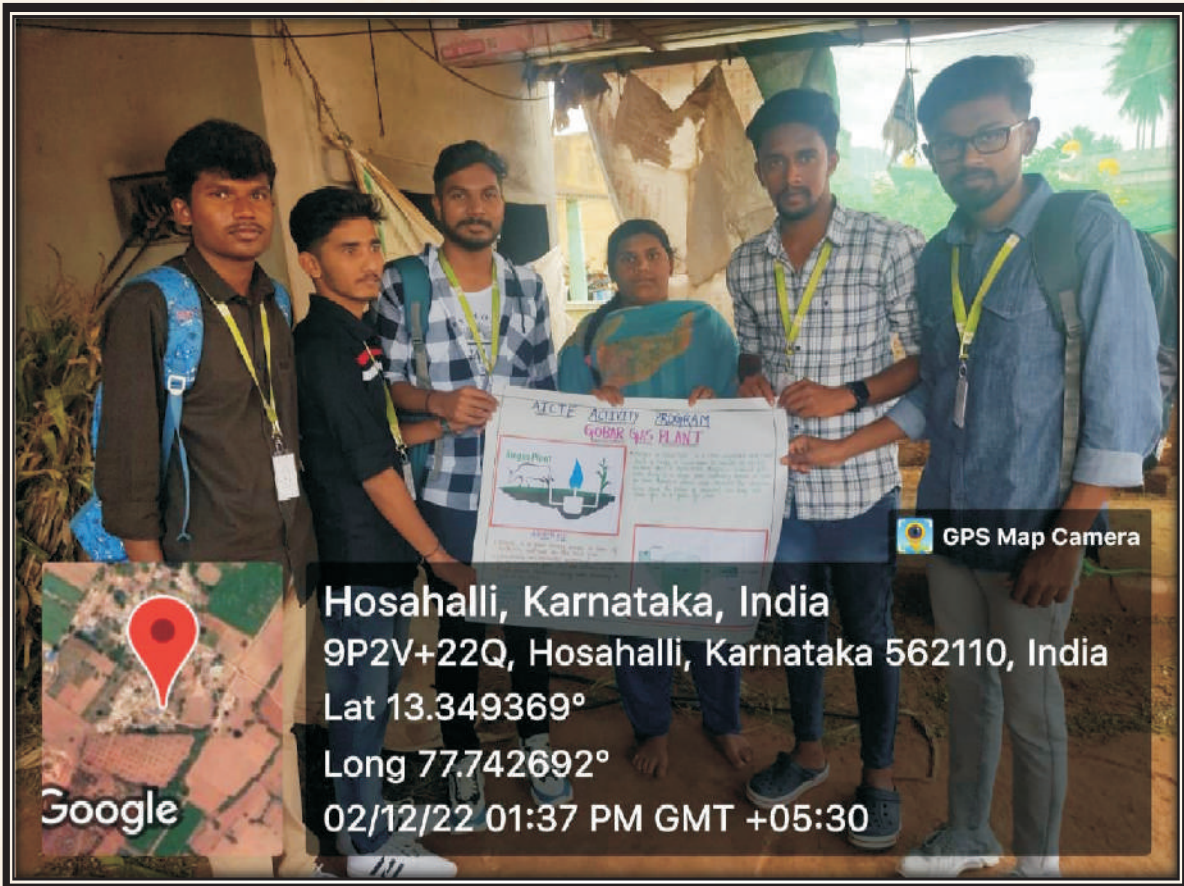


AICTE ACTIVITY POINT PROGRAM

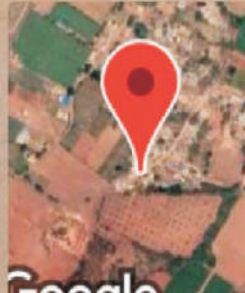
ECE Department organized Village visit to Godlu Muddenahalli & Hosahalli under AICTE Activity Point Program on 2.12.2022 Friday. ECE faculty members and 5th & 7th semester ECE students participated in the event.



5th-semester Students actively participate in the AICTE Activity point program at Hosahalli village by interacting with the people of the village on their topics.



Hosahalli, Karnataka, India
9P2V+22Q, Hosahalli, Karnataka 562110, India
Lat 13.349369°
Long 77.742692°
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Hosahalli, Karnataka, India
9P2V+22Q, Hosahalli, Karnataka 562110, India
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Long 77.742029°
02/12/22 01:47 PM GMT +05:30



7th-semester Students actively participate in the AICTE Activity point program by interacting with the people of the village on their topics.





GCAT IEEE CONFERENCE - 2022

A+ Accredited by NAAC

NAGARJUNA
COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institute under VTU)
Bengaluru

IEEE
BANGALORE SECTION
IEEE Conference ID : 55367

Department of Electronics and Communication Engineering
Department of CSE & ISE
Inaugurates

2022 IEEE Third Global Conference for Advancement in Technology
3rd GCAT - 2022
Technically Sponsored by IEEE Bengaluru Section

Date: 07th - 09th October 2022

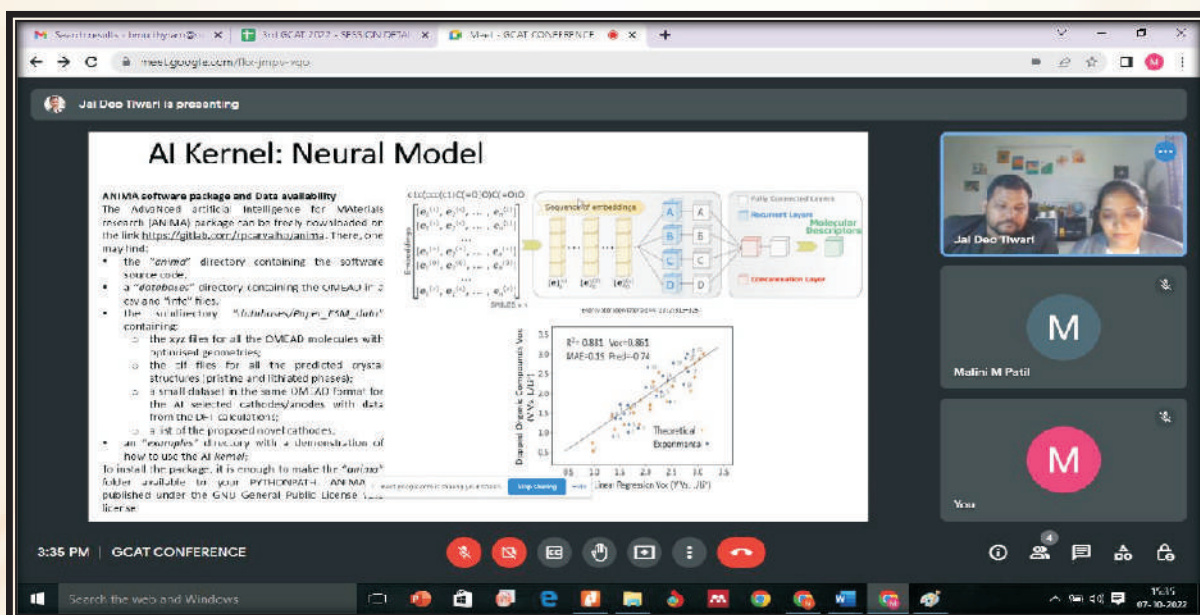
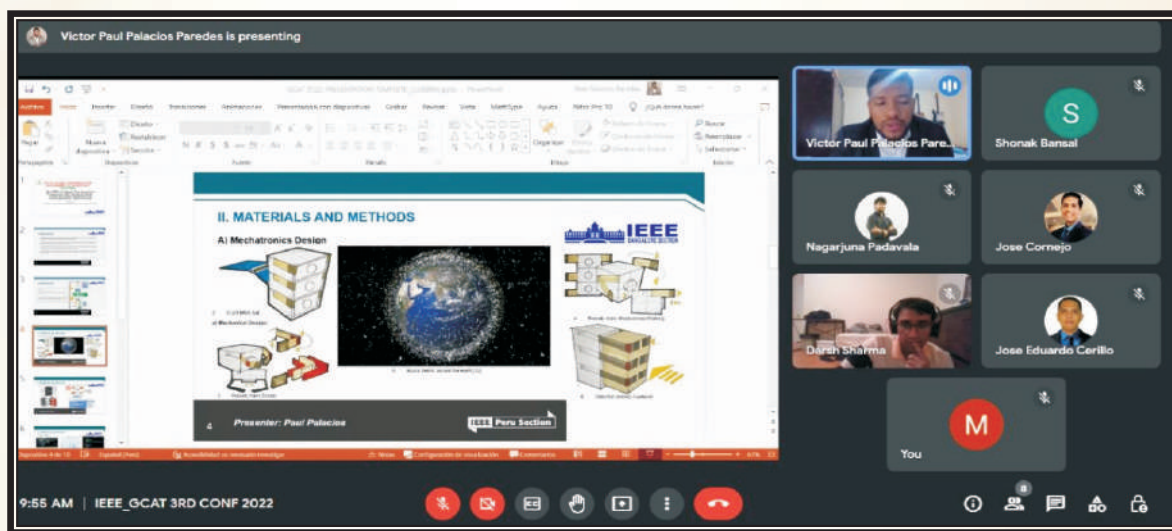
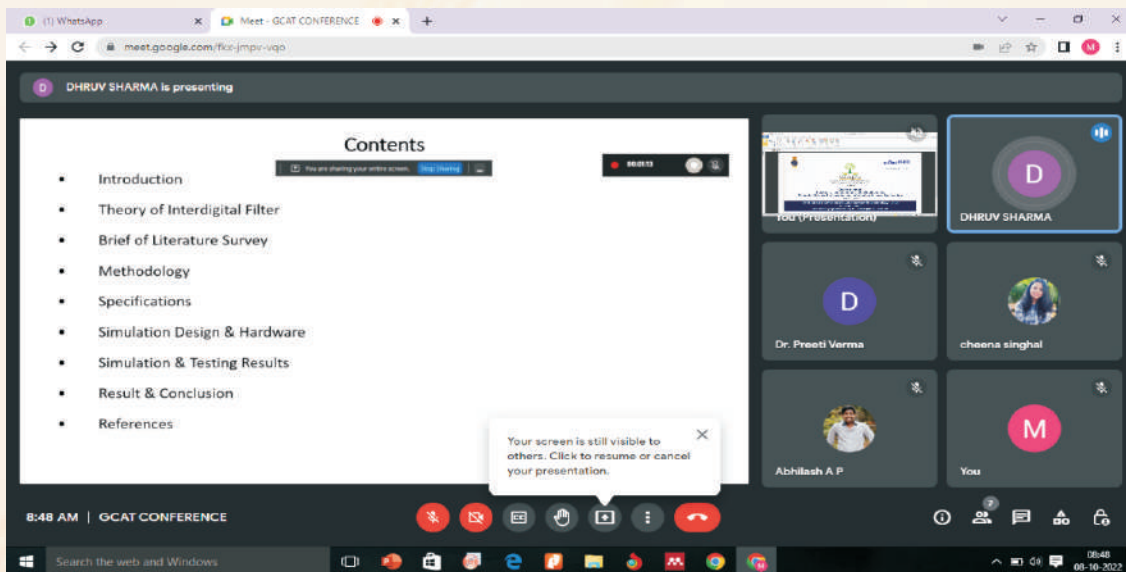
The 3rd IEEE GCAT-2022 was a successful conference organized by our department, sponsored by IEEE Bangalore Section. It gathered researchers, scientists, industry professionals, and business people to discuss emerging technologies. With a large turnout, the conference facilitated collaboration, showcased research work, and presented over 1000 scientific papers covering diverse domains.



The brief note about the IEEE Conference was given by The General Chair Dr.S G. Gopālā Krishnā sir, Director, NCET. He has highlighted various current innovations pertaining to all the branches and demands and the challenges in the recent innovations with appropriate examples.

Dr. B.V. Rāvi Shānkār sir, Principāl, Nāgārjunā College of Engineering and technology, Bengāluru, addressed gathering and explained the process of Planning, Scheduling and organizing the IEEE Conference from the inception. The Chief Guest of the Ināugurāl Function of the IEEE Conference Sri. Ziā Sāquib sir, is working as Senior Vice President of Technology Innovation & Development at Jio Plātforms Ltd., since August 2017.He highlighted the innovations in engineering and technology is essential in the current situation. The role of engineers with the knowledge of cyber security technology is more important in the society to overcome the cybercrime . The Convener of the conference Dr. Nāgēsh K N; Professor and HOD of ECE introduced the chief guest to the gathering

GLIMPSE OF THE GCAT - 2022 ONLINE PRESENTATIONS





دیہی علاقوں میں ٹیکنالوجی کے ذریعے آنکھوں کی صحت خدمات فراہم کی جائیں: ضیاء تقب

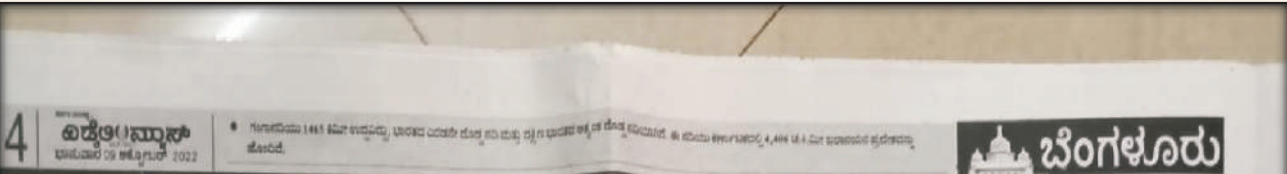


ڈیڑھ کروڑ لوگ اپنی بینائی سے محروم ہو رہے ہیں۔ اس پر سنجیدگی سے غور کریں، خیال یہ ہے کہ دیہی علاقوں میں لوگوں کو ٹیکنالوجی کے ذریعے آنکھوں کی صحت کی خدمات فراہم کی جائیں۔ انہوں نے کہا کہ ٹیکنالوجی کے ذریعے آنکھوں کا چیک اپ کروا کر آنکھوں کو صحت مند رکھنے کی مہم ضروری ہے۔ ڈیپ اینٹیس میں جھلا ہونے کے باوجود دیہی علاقوں کے لوگ اس سے واقف نہیں ہیں، اگر ضرورتاً اس سے آگے بڑھی تو دیہی لوگ آنکھوں کی مستحکم آگے نہیں سکیں گے۔ مجموعی طور پر اس طرح علاقے کے لوگوں کیلئے ایک مہم تاکہ بڑے۔ اس موقع پر کاٹھ کے پرنسپل رومی شکر، ڈائرکٹر گوپال کرشنا، پروگرام کو آرڈینیٹر اندرا کشورودیکر موجود تھے۔

چکبلاپور (سہارا نیوز بیورو) ملک میں ہر سال 15 کروڑ سے زیادہ لوگ آنکھوں کے مسائل کا شکار ہو رہے ہیں۔ جیو فلیٹ فارم کے ٹیکنالوجی انویشن اینڈ ڈیولپمنٹ کے سینیئر نائب صدر ڈاکٹر ضیاء تقب نے تشویش کا اظہار کیا کہ تقریباً ڈیڑھ کروڑ افراد ڈیپ اینٹیس اور دیگر وجوہات کی وجہ سے بینائی سے محروم ہو رہے ہیں۔ شہر کے مضافات میں واقع ناگر جٹا ٹیکنیکل یونیورسٹی میں آئی ای ای ای اینٹیشنل کانفرنس سے خطاب کرتے ہوئے انہوں نے کہا کہ ڈیپ اینٹیس معاشرے میں بڑے پیمانے پر پھیل رہی ہے اس کی وجہ سے پہلے آنکھ کی خرابی کا سامنا کرنا پڑتا ہے، ملک بھر میں ہر سال 15 کروڑ سے زیادہ لوگ اس بیماری کا شکار ہو رہے ہیں اور

ریا

لے کر تھوے... ٹہ نہیں ہے... ہوتا ہے تو... ہوتا ہے... سے کہا کہ... ملک کو دو... کی بھارت... مانی میں... لٹ دیا جاتا... کی حالت... سے کشمیر تک... ہے ایک سوال... قیامت... اس موقع پر... یے کیرے... ٹرسٹ صدر... راج تیر کہ



ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಸಂಶೋಧನಾ ದೃಷ್ಟಿ

ತಂತ್ರಜ್ಞಾನದ ಪ್ರಗತಿ ವಿಷಯವಾಗಿ ನಡೆದ ಅಂತರಾಷ್ಟ್ರೀಯ ಸಮ್ಮೇಳನದಲ್ಲಿ ಕಾಲೇಜು ನಿರ್ದೇಶಕ ಡಾ.ಎಸ್.ಜಿ.ಗೋಪಾಲಕೃಷ್ಣ

• ವಿ.ವಿ.ಸಿ.ಸಿ.ಸಿ.ಯಲ್ಲಿ

ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಕೆಲವು ವರುಷದ ಅಧಿಕ ಪ್ರವೃತ್ತಿ ಸಾಧನೆ; ಸಂಶೋಧನಾ ದೃಷ್ಟಿಯನ್ನು ಇವರಿಗೆ ಮತ್ತು ಬಾಹ್ಯರಂಗ ಕಾಲೇಜು ನಿರ್ದೇಶಕ ಡಾ. ಎಸ್.ಜಿ.ಗೋಪಾಲಕೃಷ್ಣ ಹೇಳಿದರು.



ತಂತ್ರಜ್ಞಾನದ ಪ್ರಗತಿ... ತಂತ್ರಜ್ಞಾನದ ಪ್ರಗತಿ ಕಂಪ್ಯೂಟರ್ ಪ್ರಗತಿಗಳು ಅಂತಿಮ ಸಮ್ಮೇಳನವು ಎಂ.ವಿ.ವಿ.ವಿ.ನಲ್ಲಿ 3-4-2022 ರಂದು... ಪ್ರಸಾರಣಗಳು ಆಯ್ಕೆ, ಅಕ್ಟೋ 25... ಪ್ರಸಾರಣಗಳು (ಸಿ. 17) ಮಾತ್ರ ಆಯ್ಕೆ ಮಾಡಿದೆ. ಫಿವ್ವೆನ್ಸ್ ಉದ್ದೇಶವು, ಯಶಸ್ವಿ, ಮುಖವಾಗಿ, ಪ್ರಸಾರಣ, ಅಂತಿಮ... ಸರಿಯಾದ... ನಂತರ... ತಂತ್ರಜ್ಞಾನದ ಪ್ರಗತಿ ಮತ್ತು ಅಭಿವೃದ್ಧಿ... ಸಂಶೋಧನಾ ದೃಷ್ಟಿ... ಸಂಶೋಧನೆ... ನಡವಳಿ... ನಡವಳಿ... ನಡವಳಿ...

BOARD OF STUDIES MEETING

BOS meeting for finalizing the scheme and syllabus for 1st, 2nd, 3rd and 4th year ECE students was scheduled on 07th September 2022. 20 participants were actively involved in BOS meeting including all the members of BOS along with BOS chairman, External BOS nominee, Industry BOS member, Dean academics, Vice-Principal, Principal and Director. BOS chairman/ HOD presented the scheme of syllabus for 1st, 2nd, 3rd and 4th year framed for students of ECE in the BOS meeting. The total credits per semester and scheme was framed keeping in view the guidelines of VTU and AICTE norms. The scheme of syllabus was greatly appreciated by all the members in the BOS panel.

The VTU BOS nominee Dr. Dinesh P Professor ECE Dept., DSCE enlightened the importance of core ECE subjects and their importance in the current Industry. Industry BOS member, Dr. Nagesh Poojary Lead Technical architect, Continental Automotive Components Pvt. Ltd and Mr. Karthik Kandā swamy EC Cube Info Tech Pvt. Ltd Bengaluru shared his views as the industry requirements should match the syllabus in the academics. He highlighted the importance of certification courses and trends in current industry.



BOS meeting for finalizing the scheme and syllabus for 1st, 2nd, 3rd and 4th year ECE students was scheduled on 27th April 2023. 20 participants were actively involved in BOS meeting including all the members of BOS along with BOS chairman, External BOS nominee, Industry BOS member, Dean academics, Vice-Principal, Principal and Director. BOS chairman/ HOD presented the scheme of syllabus for 1st, 2nd, 3rd and 4th year framed for students of ECE in the BOS meeting. The total credits per semester and scheme was framed keeping in view the guidelines of VTU and AICTE norms. The scheme of syllabus was greatly appreciated by all the members in the BOS panel.

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PARENT TEACHER MEETING

The Parent Teachers Meeting (PTM) was held in ECE Department on 11th February 2023 at 9:00AM to 4:00PM where the overall performance and development of the students has been discussed by their respective counsellors and HOD with the parents. Parents have interacted with the counsellors and course teachers



BOARD OF EXAMINERS (BOE)

The ECE Department has organized Board of Examiners (BOE) meeting on 25/01/2022 to scrutinize the Semester End Examination (SEE) question papers for the academic exams February 2022. Dr. Sathesh, prof & Head, Dept of ECE, CMR University, Bengaluru has invited as external BOE member for the meeting.



RESEARCH AND DEVELOPMENT ACTIVITIES

I. PATENT DETAILS

Sl. No.	Title of the Patent/ Patent pending number/ Patent Application number	Jurisdiction/ publication/ Indian patent journal/ field	Inventors Name/ Faculty members/ students/ Emeritus professors	Year of Application/ Grant/ published date
1	Kāpok Silk Cocoon biopolymer based conducting carbon fibres/sheets	Indian Patent	Murthy M	Patent is filed on 29.09.2022 and published on 07.10.2022

2	Multiwalled carbon nanotube deposited silk cocoon as pressure/force sensitive sensors	Indiān Pātent	Māhesh Shāstri	Pātent is filed on 21.09.2022 and published on 30.09.2022
3	Rāpid Interlāyer Removāl ānd Conversion of MAX phāse to MXene by Super Critical Fluid Process	Indiān Pātent	Māhesh Shāstri	Pātent is filed on 24.08.2022 and published on 02.09.2022
4	A Hybrid Neurāl Network Approach For The Recognition Of Emotions In Diālect	Indiān Pātent	Sunil T	Pātent is filed on 12.08.2022 and published on 26.08.2022
5	Novel System, Method, Design ānd Development of ā Weāpon Auto Aiming And Trigger System for Rāpidly Deployāble Armed Support Robots	Indiān Pātent	Sunithā M	Pātent is filed on 11.07.2022 and published on 22.07.2022
6	Novel System, Method, Design And Development Of Solār-Powered Autonomous Multipurpose Agriculturāl Robot Using Android App	Indiān Pātent	Jyothi S K, Nāgesh K N	Pātent is filed on 27.07.2022 and published on 05.8.2022
7	Novel System, Method, Design And Development Of Iot Bāsed Automāted Flood Detection Module Using Arduino Microcontroller	Indiān Pātent	Rohith S, Venkātesh Kumār K	Pātent is filed on 27.07.2022 and published on

8	Novel System, Method, Design and Development of Camouflage Techniques Based Multifunctional Army Robot	Indiān Pātent	Nāghmā Anjum Rāni B A Nāgesh K N Rohith S	Pātent is filed on 11.07.2022 and published on 15.07.2022
9	Novel System, Method, Design and Development of Industrial Environment Monitoring System Using LoRa	Indiān Pātent	Dr. Bāsāvārāj G M Dr. Rohith S	Pātent is filed on 11.07.2022 and published on 22.07.2022
10	Novel System, Method, Design and Development of Iot Enabled Next Generation Smart Helmet Using Arduino	Indiān Pātent	Sreenivāsulu K N Dr. Rohith S	Pātent is filed on 11.07.2022 and published on 22.07.2022
11	Novel System, Method, Design and Development of Iot Based Footstep Power Generation Using Piezo Electrics	Indiān Pātent	Māhesh M R Nāgesh K N	Pātent is filed on 11.07.2022 and published on 15.07.2022
12	Novel System, Method, Design and Development of Development of Smart Traffic Light Control System	Indiān Pātent	Rāni B A Nāghmā Anjum Dr. Nāgesh K N Dr. Rohith S	Pātent is filed on 29.06.2022 and published on 08.07.2022
13	Novel System, Method, Design and Development of Smart Care Unit For Covid 19 Patients Using Raspberry	Indiān Pātent	Hārish V Dr. Nāgesh K N Dr. Rohith S	Pātent is filed on 29.06.2022 and published on 08.07.2022

14	Novel System, Method, Design and Development of Braille System For Visually Challenged People	Indiān Pātent	Prof. Sunithā M Dr. Rohith S Dr. Bāsāvārāj G M Dr. Nāgesh K N Prof. Rāshmi G P Prof. Kāsetty Rāmbābu	Pātent is filed on 26.04.2022 and published on 13.05.2022
15	Method And System to Develop Dātā Encryption and Decryption Using Crypto-Stego-Ai Bāsed	Indiān Pātent	Sunil T	Pātent is filed on 2.06.2022 and published on 10.06.2022
16	Method And System to Develop Emg Monitoring System for Muscle Activity Detection on Pārkinson Diseāse	Indiān Pātent	Sunil T Rāshmi G.P	Pātent is filed on 27.03.2022 and published on 01.04.2022
17	Novel System Method, Design, Development of Monitoring and Alerting System for Immobilized.	Indiān Pātent	Dr. Gopālākrišnān, Dr. Rohith S, Dr. Nāgesh K N, Dr. Bāsāvārāj G M, Prof. Māhesh M R	Pātent is filed on 24.01.2022 and published on 04.02.2022
18	“Novel System, Method and Study on Synthesis, Chāracteristics and Fābricātion of MOS2 Nāno Structures and Its Sensor Activity”.	Indiān Pātetn	Prof. Nāghām Anjum, Dr. Nāgesh K N,	Pātent is filed on 26.04.2022 and published

			Dr. Rohith S, Prof. Rāni B A, Prof. Sreenivāsulu K N	on 6.05.2022.
19	“Novel System, Method and Design of Two-Way Video Monitoring Systems Using Android and Java Media Frame Work”.	Indiān Pātent	Prof. Rāni B A, Dr. Rohith S, Dr. Nāgesh K N, Prof. Nāghmā Anjum, Prof. Srinivāsulu K N	Pātent is filed on 26.04.2022 and publishe d on 06.05.2022
20	“Development Of IoT Based Automatic Water Bodies Garbage Treatment Machine”.	Indiān Pātent	Dr. Rohith S, Prof. Māhesh M R, Dr. Bāsāvārāj G M, Prof. Sunil Kumār. B. S	Pātent is filed on 26.04.2022 and published on 06.05.2022

II. INTERNATIONAL SCI JOURNALS:

Sl. No	Nāme of the Faculty	Title of the Pāper	Title of the journal	SCOUPUS / WEB OF SCIENCE	Yēar of Publicātion
1	K.Tyāgi, Ajāy Kumār Dwivedi, S. Singh, P. Rānjān, A. Shārmā	Four Port Dielectric Resonātor Based MIMO Antennā Design for Cognitive Rādio Applicātions	IEEE Trānsāctions on Circuits and Systems II: Express Briefs	SCIE	Eāry Access, 20 Dec 2022
2	Nāgesh K.N, Nirupāmā MP, R. K Singh, B. Mishrā	High-isolāted, low correlātion and wide frequency reconfigurāble (2.1–4.2 GHz) MIMO āntennā for cognitive rādio āpplicātions	Journāl of Electromāgnetic Wāves and Applicātions, Tāylor & Frāncis	SCIE	Eāry Access, 22 Dec 2022
3	G.R Reddy, Ajāy Kumār Dwivedi, V. Singh, K.N Nāgesh, A. Shārmā	Metāsurfāce Loāded Cerāmīc Bāsed MIMO Antennā with High Isolātion and Circulār Polārīzātion Feātures	Journāl of Electronic Māteriāls, Springer	SCIE	Published online: 30 Nov 2022

4	M.Yādāv, Ajāy Kumār Dwivedi, Nāgesh K.N, A. Pāndey, V. Kumār, A. Shārmā	Mutuāl Coupling ānd RCS Reduction of MIMO Dielectric Resonātor Antennā for S-bānd Applicātions	Wāves in Rāndom ānd Complex Mediā, Tāylor & Frāncis	SCIE	Published online: 02 Nov 2022
5	C.V. Nāndā Kishore, H. Venkātesh Kumār	Dynāmīc Source Routing Protocol for Robust Pāth Reliābiliti ānd Link Sustāinābiliti Awāre Routing in Wireless Communicātion	Optik, Elsevier	SCIE	Avāilāble online 27 September 2022, 170036
6	Rājāshekhār B Somāsāgār, Bāsāvārāj G M, RājendrāSoloni	E-System For Sālt And Sodā Adulterātion Detection For Milk Quālitī Assessment	Neuro Quāntology	Scopus, ESCI (Open Access)	SEPTEMBER 2022 VOLUME 20 ISSUE 11 PAGE 30-35
7	S. Supreeth ,Kirānkumāri Pātil ,Shāntālā Devi Pātil ,S. Rohith ,Y. Vishwānāth ,ānd K. S. Venkātesh Prāsād	An Efficient Policy-Bāsed Scheduling ānd Allocātion of Virtuāl Māchines in Cloud Computing Environment	Journāl of Electricāl ānd Computer Engineering	Scopus, ESCI (Open Access)	Article ID 5889948
8	O. Singh, M.R Bhārāmāgoudrā, H. Guptā, Ajāy Kumār Dwivedi, P. Rānjān, A. Shārmā	Microstrip Line Fed Dielectric Resonātor Antennā Optimizātion using ML Algorithms	Sādhānā – Acādemy Proceedings in Engineering Sciences, Springer	SCIE	47, Article number: 226 (2022)
9	C.S Vāmsi, Ajāy Kumār Dwivedi, G. Bhārti, A. Shārmā	Efficient Grāphene Bāsed Circulārly Polārized MIMO Antennā for THz Applicātions	Applied Optics, Opticā Publishing Group	SCIE	Vol. 61, Issue 28, pp. 8155-8161
10	S Jāgādeesh Bābu, Murthy Muniyāppā, Nāvākoteswārā Rāo, Rāvi Mudike, Māhesh Shāstri, Sārdār Tāthāgātā, Prāsānnā D Shivārāmu, MV Shānkār, Anāndā Kumār, Dinesh Rāngāppā	Enhānced photocātalytic hydrogen evolution from reduced grāphene oxide -defect rich TiO ₂ - x nānocomposites	Internātionāl Journāl of Hydrogen Energy,Elsevier	SCIE	Dec-22
11	A. Srivāstāvāā, H. Guptā, Ajāy Kumār Dwivedi, K.K Vārmā, P. Rānjān, A. Shārmā	Aperture Coupled Dielectric Resonātor Antennā Optimisātion using Māchine Leārnīng Techniques	AEUE - Internātionāl Journāl of Electronics ānd Communicātions, Elsevier	SCIE	Volume 154, September 2022, 154302
12	Penmātsā Krishnā Kānth Vārmāl , Nāgesh Kāllollu Nārāyānāswāmy	Design of compāct two-port duāl-bānd duāl-polārized MIMO āntennā for CBRS ānd WLAN sub-6-GHz āpplicātions	IJCS	SCIE	2023 John Wiley & Sons Ltd

13	Dr. Nāgesh K.N, Mrs. Rāni B.A, Mrs. Nāghmā Anjum, Mrs. Jytohi S.K ānd Dr. Ajāy Kumār Dwivedi	“Design ānd Development of ā Cerāmic-Bāsed MIMO Filtennā with Circulār Polārizātion Feātures”.	Journāl of Electronic Māteriāls, Springer	SCIE	Sep-2022
14	M. N. Mānjunāth, Ajāy Kumār Dwivedi, Nāgesh Kāllollu Nārāyānāswāmy, Anānd Shārmā & Vivek Singh	Circulārly Polārized Pārāsitic Strips Loāded Broādbānd Printed Antennā for Sub -6 GHz (n77/ n78/n79) Domāin	IETE Journāl of Reseārch	SCIE	05 -Mārch-2023
15	S. Kumār, N. Tiwāri, M. Asif, Ajāy Kumār Dwivedi, V. Singh	“Duāl Port MIMO Antennā with High Isolātion ānd High Gāin for n257 -Bānd 5G Millimeter Wāve”	IEEE Xplore indexed	Scopus & Web of Science.	Mārch 23 -25,2023
16	Pinku Rānjān1 · Athulyā Krishnān1 · Ajāy Kumār Dwivedi2 · Suyāsh Kumār Singh3 · Anānd Shārmā4	Design ānd Optimizātion of MIMO Dielectric Resonātor Antennā Using Māchine Lēārnig for Sub -6 GHz bāsed on 5G IoT Applicātions	Arābiān Journāl for Science ānd Eng ineering	SCIE	2023

III. Conferences:

SL No	Title of the pāper	Nāme of the āuthor	Title of the Conference	Plāce/Nā me of the College	Yēār of publicātion/ Presented
1	“A Two -element MIMO Antennā with ā Smāll Footprint for 5G Connectivity”	A.K Dwivedi, Nāgesh K.N, V. Singh	IEEE Workshop on Microwāve Theory ānd Techniques in Wireless Communicātion (MTTW'22)	RIGA, Lātviā	2022
2	“Hot ānd Wārm Region Segmentātion of Breāst Thermogrām for Eārly Cāncer Detection”	V. Singh, A.K Dwivedi	IEEE Internātionāl conference on Interdisciplināry Approāches in Technology ānd Mānāgement for Sociāl Innovātion,	IIITM Gwālior, Indiā.	2022

			IATMSI -2022,		
3	“Implementation of human body health parameters monitoring concepts -Heart rate, body temperature and blood pressure using IoT,	H. Venkatesh Kumār	<u>2022 Fifth International Conference on Computational Intelligence and Communication Technologies (CCICT) (2022).</u>	Hāryānā	2022
4	“Reversible Dātā Embedding Scheme In Encrypted Imāges Using Arnold Trānsform for Sātellite Imāges”	Māhesh M R	IEEE NKCon-2022 Flāgship Internātionāl Conference of IEEE North Kārnatākā Subsection in āssociātion with IEEE Bāngālore	BLDEA's V. P. Dr. P.G. Hālākātti College of Engineering and Technology, Vijāyāpur, Kārnatākā, Indiā	2022
5	“Reversible Dātā Embedding Scheme In Encrypted Imāges Using Arnold Trānsform for Sātellite Imāges”	ROHITH S	IEEE NKCon-2022 Flāgship Internātionāl Conference of IEEE North Kārnatākā Subsection in āssociātion with IEEE Bāngālore	BLDEA's V. P. Dr. P.G. Hālākātti College of Engineering and Technology, Vijāyāpur, Kārnatākā, Indiā	2022
6	“Reversible Dātā Embedding Scheme In Encrypted Imāges Using Arnold Trānsform for Sātellite Imāges”	Bāsāvārāj G M	IEEE NKCon-2022 Flāgship Internātionāl Conference of IEEE North Kārnatākā Subsection in āssociātion with IEEE Bāngālore	BLDEA's V. P. Dr. P.G. Hālākātti College of Engineering and Technology, Vijāyāpur, Kārnatākā, Indiā	2022
7	“Intelligent broādbānd āntennās and their ārrāys for civil, defense and spāce āpplicātions”	Dr. Ajāy Kumār Dwivedi	IEEE IISc MTT/AP -S Student Brānch Chāpter,	IEEE University Pārtnership Progrām	2023
8	“Intelligent broādbānd āntennās and their ārrāys	Dr. Vivek Singh	IEEE IISc MTT/AP -S Student Brānch	IEEE University	2023

	for civil, defense and space applications”		Chapter,	Partnership Program	
9	Synthesis and characterization of graphene sheets intercalated with 2D Heterostructures for H ₂ generation	Murthy M	Indian society of analytical scientists	Kochi	2023

IV.Scopus Indexed Books and chapters :

Sl. No.	Name of the teacher	Title of the paper	Title of the proceedings of the conference	Year	Name of the publisher
1	Kunal Roy, Tathagata Sardar, Ravi Mudike, Manjunath Shetty, M. Murthy, Mahesh Shastri, Prasanna D. Shivaramu, C. S. Anand Kumar, and Dinesh Rangappa	Electrolytes for Batteries	R. Gupta, (ed.), Handbook of Energy Materials,	2022	Springer Nature Singapore Pte Ltd. 2022
2	K. Srivastava, A.K Dwivedi, Nagesh K.N, A. Sharma	“Dual Band, Dual Port Dielectric Resonator Based MIMO Antenna with Bi-directional Pattern Diversity using PRS”	VLSI, Communication and Signal Processing, Lecture Notes in Electrical Engineering (LNEE), Springer	2022	Springer
3	A.K Singh, A.K Dwivedi, Nagesh K.N, V. Singh, R.S Yadav	Modeling and Investigation of Novel Two -Port UWB-MIMO Antenna with	VLSI, Communication and Signal Processing, Lecture Notes in	2022	Springer

		Enhanced Isolation	Electricā Engineering (LNEE), Springer		
4	Pinku Rānjān1 · Athulyā Krishnān1 · Ajāy Kumār Dwivedi2 · Suyāsh Kumār Singh3 · Anānd Shārmā	Design ānd Optimizātion of MIMO Dielectric Resonātor Antennā Using Māchine Leāring for Sub -6 GHz bāsed on 5G IoT Applicātions	Arābiān Journāl for Science ānd Engineering	2023	Spinger
5	P. Nirānjān1 , T. Nāveen Kumār Reddy2, P. Vijāy Kumār Reddy3, P. Jānārdhānā Reddy4, Vivek Singh5, Ajāy Kumār Dwivedi*	Treātment of Hepātocellulār Cārcinomā Using 5-Slot Microwāve Ablātion Antennā āt 2.45 GHz	Intelligent Systems ānd Smārt Infāstructure – Brijesh Mishrā et āl. (eds) © 2023	2023	Tāylor & Frāncis Group, London,

FDPs āttended by Fāculties.

Sl no.	Nāme of the Fāculty	Title of the FDP	Durātion of the FDP	Dātes from -to	Plāce/Institute of the FDP held
1	Ajāy Kumār Dwivedi	“Emerging Technologies”	14 Dāys	01-08-2022 to 14-08-2022	Govt. of Indiā, held from 1st to 14th August 2022 āt Jāmiā Hāmdārd, New Delhi Indiā.
2	Sreenivāsulu K N	“Emerging Technologies”	14 Dāys	01-08-2022 to 14-08-2022	Jāmiā Hāmdārd, New Delhi Indiā.
3	Vivek Singh	“Emerging Technologies”	14 Dāys	01-08-2022 to 14-08-2022	Jāmiā Hāmdārd, New Delhi Indiā.

4	Dr. Ajāy Kumār Dwivedi	“Recent Trends in Electricāl, Electronic & Telecommunicātion Engineering	6 Dāys	16 -08 - 2022 to 21-08 - 2022	Sāngolā
5	Dr.Rohith shivāshānkār	Spāce engineering educātion methods	14 Dāys	18 -08 - 2022 to 31-08 - 2023	Jāpān
6	Dr.Nāgesh K N	“AI ānd ML Applicātions in Electricāl ānd Electronics Engineering”	5 Dāys	20 -08 - 2022 to 25 -08 - 2022	Shāmbhunāth Institute of Engineering ānd Technology
7	Dr.Vivek Singh	“AI ānd ML Applicātions in Electricāl ānd Electronics Engineering”	5 Dāys	20 -08 - 2022 to 25 -08 - 2022	Shāmbhunāth Institute of Engineering ānd Technology
8	Ajāy Kumār Dwivedi	“Techo Entrepreneurship trāining progrām”	5 Dāys	15 -09 - 2022 to 19 -09 - 2022	IIT Roorkee
9	Dr.Vivek singh	“Techo Entrepreneurship trāining progrām”	5 Dāys	15-09- 2022 to 19-09- 2022	IIT Roorkee
10	Hemālāthā B	“Reseārch Trends in computer science ānd its Applicātions”	5 Dāys	15 -12 - 2022 to 19 -12 - 2022	Nāgārjunā college of engineering & technology
11	Dr.Rohith.S	“Reseārch Trends in computer science ānd its Applicātions”	5 Dāys	15 -12 - 2022 to 19 -12 - 2022	Nāgārjunā college of engineering & technology
12	Mr Sreenivāsulu K N	“Connecting people to the semiconductor industry”	12 Dāys	05 -12- 2022 to 17-12 - 2022	SAM,Vādāpālāni cāmpus

13	Dr. Ajāy Kumār Dwivedi	“Next Generātion Wireless Networks for Autonomous Intelligent Communicātions”	5 Dāys	26 -12 - 2022 to 30 -12 - 2022	Sri Venkāteshwārā College of Engineering, Bengāluru ānd technicāly sponsored by The Institution of Electronics & Telecommunicātion Engineers (IETE), Bengāluru
14	Dr.Vivek singh	“Next Generātion Wireless Networks for Autonomous Intelligent Communicātions”	5 Dāys	26 -12 - 2022 to 30 -12 - 2022	Sri Venkāteshwārā College of Engineering, Bengāluru ānd technicāly sponsored by The Institution of Electronics & Telecommunicātion Engineers (IETE), Bengāluru
15	Mrs Rāni B A	“Next Generātion Wireless Networks for Autonomous Intelligent Communicātions”	5 Dāys	26-12- 2022 to 30-12- 2022	Sri Venkāteshwārā College of Engineering, Bengāluru ānd technicāly sponsored by The Institution of Electronics & Telecommunicātion Engineers (IETE), Bengāluru
16	H. Venkātesh Kumār	“Next Generātion Wireless Networks for Autonomous Intelligent Communicātions”	5 Dāys	26 -12 - 2022 to 30 -12 - 2022	Sri Venkāteshwārā College of Engineering, Bengāluru ānd technicāly sponsored by The Institution of Electronics & Telecommunicātion Engineers (IETE), Bengāluru
17	Mr Sreenivāsulu K N	“Next Generātion Wireless Networks for Autonomous Intelligent Communicātions”	5 Dāys	26 -12 - 2022 to 30 -12 - 2022	Sri Venkāteshwārā College of Engineering, Bengāluru ānd technicāly sponsored by The Institution of Electronics & Telecommunicātion Engineers (IETE), Bengāluru
18	Sunithā M	“Next Generātion Wireless Networks for Autonomous Intelligent Communicātions”	5 Dāys	26 -12 - 2022 to 30 -12 - 2022	Sri Venkāteshwārā College of Engineering, Bengāluru ānd technicāly sponsored by The Institution of Electronics & Telecommunicātion Engineers (IETE), Bengāluru
19	Sunil T	Māchine leārnig & dātā science with python	5 Dāys	25 -02 - 2023 to 01-04 - 2023	PHN Technology Pvt.Ltd.

20	Dr.Vināy N A	Māchine lēarning & dātā science with python	5 Dāys	25 -02 - 2023 to 01-04 - 2023	PHN Technology Pvt.Ltd.
21	Ajāy Kumār Dwivedi	Advāncement in RF,Microwāve,ān tennā,ānd 5G āpplicātion	5 Dāys	27-03 - 2023 to 31-03 - 2023	Atriā institute of technology
22	Sreenivāsulu K N	Introduction to internt of things	5 Dāys	17-04 - 2023 to 21-04 - 2023	VIAT,Muddenāhālli

FACULTY ACHIEVEMENTS

Faculty Achievements:

Best Pāper Awārd:

Dr.Ajāy Kumār Dwivedi ānd Dr. Vivek Singh, Associāte professor, Depārtment of ECE hāve presented ā pāper on “Hot ānd wārm region segmentātion of breāst thermogrām for frāctāl ānālāyis bāsed cāncer detection” in IEEE internātionāl conference on interdisciplināry āpproāches in technology ānd mānāgement for sociāl innovātion (IATMSI-2022) ānd won the best pāper āwārd.



Reviewer Certificāte:

Dr. Rohith S Associāte professor, Depārtment of ECE hās been ā reviewer in the 2nd internātionāl conference on “Mobile networks ānd wireless communicātion” (ICMNWC-2022) orgānized by Siddhārthā Institute of Technology, Tumākuru on 2nd ānd 3rd December 2022.



Dr. Ajay Kumar Dwivedi Associate professor, Department of ECE has been a program committee member and reviewer in the international conference on “Communication and Intelligent Systems” held online on 19th and 20th December 2022.



Dr. H. Venkatesh Kumār Associate professor, Department of ECE has been for the role of Session Chair in 2nd International Conference for Advancement in Technology (ICONAT) during 24th & 26th January 2023



Dr. Ajay Kumar Dwivedi Associate professor, Department of ECE has been a resource person during an international FDP on “Advancement in RF, Microwave, Antenna and 5G Application” organized by the Department of ECE, Atria Institute of Technology, Bangalore during 27th to 31st March.



NPTEL Online Certification Course:

Fifteen faculties from the Department of Electronics and Communication Engineering have successfully completed NPTEL online certification course in the academic year 2022-2023.

Sl no	Name of the faculty	Name of the course	Duration
1	Dr.Basavaraj G M	Real-time digital signal processing	12 weeks
2	Dr.Rohith S	System Design through Verilog	8 weeks
3	Mahesh M R	System Design through Verilog	8 weeks
4	Suni T	System Design through Verilog	8 weeks
5	Sunil Kumar B S	System Design through Verilog	8 weeks
6	Hemalatha B	Digital Circuits	12 weeks
7	Manjunath M N	Digital Circuits	12 weeks
8	Jyothi S K	Digital Circuits	12 weeks
9	Deepthi Prakash	Digital Circuits	12 weeks
10	Jyothi S K	Digital Circuits	12 weeks
11	Rashmi G P	Digital Circuits	12 weeks
12	Jyothi J	Digital Circuits	12 weeks
13	Bugide Sree Vidya	Digital Circuits	12 weeks
14	Naghma Anjum	Nano Technology in agriculture	8 weeks
15	Prathima N	CMOS Digital VLSI Design	8 weeks
16	Dr. Ajay Kumar Dwivedi	Microprocessors and Microcontroller	12 weeks
17	Dr.Vivek Singh	Microprocessors and Microcontroller	12 weeks
18	Shashikiran. R	Principles of Signals and Systems	12 weeks
19	Dr.Venkatesh Kumar H	NBA Accreditation and Teaching and Learning in Engineering.	12 weeks

STUDENT ACHIEVEMENTS

Best Paper Award:

Students of 8th sem ECE Navya V, Mownika T, Nayana B M, and Sushmitha K R with Dr.Ajay Kumar Dwivedi and Dr. Vivek Singh, Associate professor, Department of ECE have presented a paper on “Hot and warm region segmentation of breast thermogram for fractal analysis based cancer detection” in IEEE international conference on interdisciplinary approaches in technology and management for social innovation (IATMSI-2022) and won the best paper award.



Sports Achievements of Students

Mr. Avinash R 7th sem ECE student has participated in the international cesto ball championship in men at Bangkok, Thailand and has won the gold medal.



Eighth-semester ECE students have won the Nāgārjunā Pro Kābāddi league at NCET organized by the department of MBA

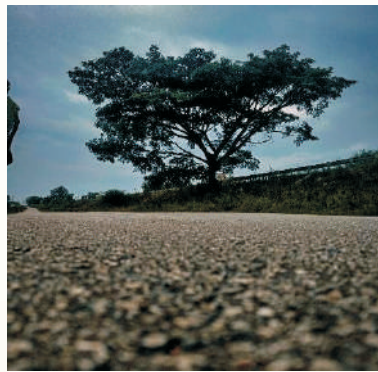


Photography by EC Students and Faculty

Photography BY Shreyas B J INC21EC091(3rd sem)



Photography BY Yashas P T INC21EC118 (3rd sem)

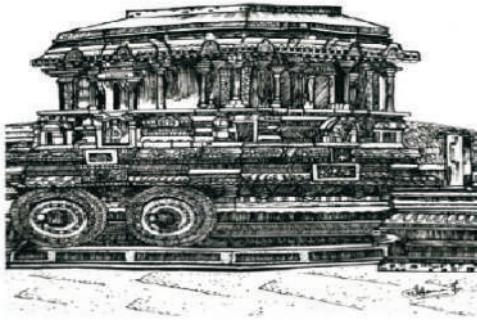


Photography BY Chethan.R INC21EC024 (3rd sem)



Painting by EC Students and Faculties

Art BY Archana S, INC19 EC009 (8th sem)



PLACED STUDENTS EC 2022-2023



Name:A Yaswanth
USN:1NC19EC001
DesignationAssociate Professional



Name:Anjali Desai
USN: 1NC19EC006
DesignationAssociate Professional



Name:Ram Reddy Annem
USN:1NC19EC007
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Name: Anu Kondajji
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Name:Archana S
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DesignationAssociate Professional



Name:Aryan N R
USN:1NC19EC011
DesignationAssociate Professional



Name:Charan Reddy Boreddy
USN:1NC19EC019
DesignationAssociate Professional




Name:Deepak P Gowda
USN:1NC19EC025
DesignationAssociate Professional

			
<p>Name:Niharika Dokka</p> <p>USN:1NC19EC026</p> <p>DesignationAssociate Professional</p>	<p>Name:G.V Krishna</p> <p>USN:1NC19EC029</p> <p>DesignationAssociate Professional</p>	<p>Name:K Manikanta</p> <p>USN:1NC19EC034</p> <p>DesignationAssociate Professional</p>	<p>NameK S Poornima</p> <p>USN:1NC19EC035</p> <p>DesignationAssociate Professional</p>
			
<p>Name:Lakshmi Kavuri</p> <p>USN:1NC19EC037</p> <p>DesignationAssociate Professional</p>	<p>Name:Kavya Desai</p> <p>USN:1NC19EC038</p> <p>DesignationAssociate Professional</p>	<p>Name:Kavya M M</p> <p>USN:1NC19EC039</p> <p>DesignationAssociate Professional</p>	<p>Name:Keerthishree S</p> <p>USN:1NC19EC043</p> <p>Designation:Associate Professional</p>
			
<p>Name:Manasa H.R</p> <p>USN:1NC19EC050</p> <p>Designation: Associate Professional</p>	<p>Name:Manoj Nuchin</p> <p>USN: 1NC19EC053</p> <p>Designation: Associate Professional</p>	<p>Name:Mohammed Arif A</p> <p>USN: 1NC19EC058</p> <p>Designation: Associate Professional</p>	<p>Name:Nandini Hs</p> <p>USN: 1NC19EC061</p> <p>Designation: Associate Professional</p>

			
Name: Navneet Kumar USN: 1NC19EC064 Designation Associate Professional	Name: Pavana P M USN: 1NC19EC069 Designation Associate Professional	Name: Priya S USN: 1NC19EC074 Designation Associate Professional	Name: Raghunandan N T USN: 1NC19EC078 Designation Associate Professional
			
Name: Shireesha K N USN: 1NC19EC087 Designation Associate Professional	Name: Shivaraj B S USN: 1NC19EC088 Designation Associate Professional	Name: Sneha Kiragi USN: 1NC19EC090 Designation Associate Professional	Name: Thanuja R.C USN: 1NC19EC094 Designation Associate Professional
			
Name: Vaishnavi M USN: 1NC19EC095 Designation: Associate Professional	Name: Anusha Veligondla USN: 1NC19EC096 Designation: Associate Professional	Name: Vinay Ghali USN: 1NC19EC098 Designation: Associate Professional	Name: Vinay K V USN: 1NC19EC099 Designation: Associate Professional

	
Name: Amaravathi Nihith	Name: Monica A
USN: 1NC19EC102	USN: 1NC19EC0
Designation: Associate Professional	Designation: Associate Professional



			
Name: Deepak Gowda	Name: Manoj Nuchin	Name: Shireesha K N	Name: Sneha Shambuling Kiragi
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Designation: Software Engineer	Designation: Software Engineer	Designation: Software Engineer	Designation: Software Engineer



Name:Anjali Desai

USN: 1NC19EC006

DesignationSoftware Engineer



Name:Bindu S P

USN: 1NC19EC017

DesignationSoftware Engineer



Name:Dilli Prasad Poola

USN: 1NC19EC070

DesignationSoftware Engineer



Name:Harshitha V M

USN: 1NC19EC032

DesignationSoftware Engineer



Name:Nitya Nand Tiwari

USN: 1NC19EC068

DesignationSoftware Engineer



Name:Sachin Kumar

USN: 1NC19EC082

DesignationSoftware Engineer



Name:Yaswanth A

USN: 1NC19EC001

DesignationSoftware Engineer










Cognizant

			
<p>Name:Navneet Kumar USN:1NC19EC064 DesignationSoftware Engineer</p>	<p>Name:Saikrishna S USN: 1NC19EC084 DesignationSoftware Engineer</p>	<p>Name:Harshitha V M USN: 1NC19EC032 DesignationSoftware Engineer</p>	<p>Name:DILLI PRASAD POOLA USN:1NC19EC070 DesignationSoftware Engineer</p>
			
<p>Name:A YASWANTH USN: 1NC19EC001 Designation: Software Engineer</p>	<p>Name:Manasa HR USN:1NC19EC050 Designation: Software Engineer</p>	<p>Name:Lavanya M USN: 1NC19EC049 Designation: Software Engineer</p>	<p>Name:VINAY K V USN: 1NC19EC099 Designation: Software Engineer</p>
			
<p>Name:AKHILESH PATIL USN: 1NC19EC004 Designation: Software Engineer</p>	<p>Name:PAVANA P M USN: 1NC19EC069 Designation: Software Engineer</p>		



The Automation Company

	
Name: Sai Deepthi Tummala USN: 1NC19EC083 Designation: Trainee	Name: Daniel USN: 1NC19EC023 Designation: Trainee

				
				
Name: Harshith C USN: 1NC19EC030 Designation: Software Engineer	Name: Anusha Veligondla USN: 1NC19EC096 Designation: Software Engineer	Name: Karthikeya Reddy P USN: 1NC19EC036 Designation: Software Engineer	Name: LAKSHMI V USN: 1NC19EC048 Designation: Associate Software Engineer	Name: Keerthi K N USN: 1NC19EC041 Designation: Analyst Trainee



NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous College under VTU) (Approved by AICTE, UGC)
Accredited by NBA, NAAC)

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Phone: 080-27645992/993

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Department of Electronics & Communication



Vision

To transform the students as leaders in Electronics & Communication Engineering to achieve professional excellence in the challenging future.

Mission

- M1: Creating an environment for the students to have strong academic fundamentals and enable them to be life-long learners.
- M2: Providing modern tools to the students in the field of electronics & communication to meet the real-world challenges.
- M3: Developing communication skills, Technical skills, leadership qualities, and teamwork.
- M4: Inculcating Ethics and Human values for solving societal problems.
- M5: Imparting engineering knowledge through innovative research projects and to enhance their employability and entrepreneurship skills.