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DETAILS OF FDPs AND SDPs CONDUCTED IN THE COLLEGE

The college conducted the four FDPs and one SDP during the year 2023-24 as mentioned below. The events went off well with high level of participation from both the faculty and the non-faculty members during the respective aforementioned events.

Sl. No.	Duration of the event	Name of the event
1	From 03/08/2023 to 08/08/2023	FDP on IP Incubation and startups (Mamatha N, Harisha S, Tejaswini R, Shylaja K R, Radhika N P)
2	From 21/09/2023 to 27/09/2023	FDP on Teaching, Learning & OBE concepts
3	From 03/06/2024 to 07/06/2024	5 Days Workshop on Outcome based education
4	From 13/05/2024 to 17/05/2025	Industry Driven Faculty Development Programme on "BEST PRACTICES IN INDUSTRIAL SAFETY"
5	From 27/06/2024 to 29/06/2024	Empowerment Through Excellence: Professional Growth For Non Teaching Staff (D Poojitha, Usha J)



**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

EVENTS CONDUCTED:

- 1) The department of AIML in association with ISTE, hosted a workshop on "Reinforcement Learning with Real-world Scenarios", on Tuesday 6th of June 2023 between 10.30 am to 3.30 pm.



- 2) The department of AIML organized a technical talk on "**Effective Ways to prepare a Research Paper**", by Dr. Deepa S R, Professor and Head, CSD and Dr. Amulyashree S, Assistant Professor, AIML on 25th November, 2023.

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- 3) The department of AIML, organized a technical talk on "Data Science and its Applications in Financial Sector", by Dr. Arunkumar Kannur, Chief Strategy Officer, CMR University, Bangalore, on 19th October, 2023.



- 4) The department of AIML hosted a 6 hours workshop on "IoT Ideathon", by Ms. Bhavani Sankari V, Trainer, Cranes Varsity, on 22nd November 2023.

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- 5) "Session on IoT Ideathon" Workshop Contest by Dr. Ms.Bhavani Sankari v a domain expert corporate trainer Cranes Varsity was conducted on 22nd Nov 2023.
- 6) "Data Science and its applications in Financial sector" Technical Talk Contest by Prof. Arunkumar Kannur Chief Strategy Officer, was Conducted On 19th Oct 2023.
- 7) "Minds In the Cloud-Exploring Cloud-based Machine Learning" Technical Talk Contest by Mr. Naman Sinha Senior Software Engineer Fractal was conducted on 11th Jan 2024.
- 8) "AI&ML Application Development laboratory(18AIL76)" Mini Project Exhibition Contest by Dr.Ganga Holi HOD OF CSE(IOT) was conducted on 2nd Jan 2024.
- 9) "IP & the Sustainable Development Goals-Academia Perspective" Celebration Of World Intellectual Property Day Contest by Shri.Praneetha K Rasbag IP Attoery & Consultant PRASA IP Services Bangalore 30th April 2024.
- 10) "Final Year Student Project Exhibition" Contest by Dr.Tulasi Sunitha ManepalliSr.Data Scientist IBM India private limited Bangalore was conducted on 30th April 2024.
- 11) "Study Abroad" Seminar Contest by Mr.Vaibhav Guptha Co-Founder & Training faculty I School connect Mumbai Mr.Naveen Kumar Senior Business Development Manager ETS India,Chennai was conducted on 20th June 2024.
- 12) "Web Development" Workshop Contest by Shri. Ravi Kumar C, Head Innovations & Sales, Influencer Labs, Shri. Narenthiran PK, Senior Software Developer Shri. Priyanka Gunaga, Head-Talent Aeqisition was conducted on 12th July 2024.
- 13) "Introduction To Cyber Security" Technical Talk Contest by Mrs. Syeda ThaSnim Fathima Mr.Ramkumar V,Vice President ,Rubixe was conducted on 4th July 2024.

EVENTS ATTENDED BY FACULTY



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- 1) Ms. Usha C R, Assistant Professor has participated in FDP on Data Analytics and Visualization using Python based Free and Open Source Software organized by the Department of CSE, AMC Engineering College in collaboration with Free Software Movement Karnataka (FSMK) held on 10 and 11 November, 2023
- 2) Ms. Lakshmi K K, Assistant Professor, has participated as a delegate in the Two Day National Seminar on “Applications of Augmented Reality and Virtual Reality in Engineering” held on 14th and 15th of September 2023.
- 3) Ms. Usha C R attended One-week Online International FDP on “Interdisciplinary Insights: Data Science, Machine Learning and Cyber Security” Deemed-to-be University from 19th Feb. to 24th Feb.
- 4) Ms. Poornima H N attended 3 Days FDP on “MongoDB – A Project based Hands-on Training” Organized by Dept. of CSE (Artificial Intelligence and Machine Learning) and Dept. of CSE (Data Science), held from 16th – 18th April, 2024 in association with VTU Belagavi.
- 5) Prof. Renuka Patil attended 3 Days FDP on “MongoDB – A Project based Hands-on Training” Organized by Dept. of CSE (Artificial Intelligence and Machine Learning) and Dept. of CSE (Data Science), held from 16th – 18th April, 2024 in association with VTU Belagavi.
- 6) Ms. Renuka Patil attended One day workshop on “Copyright Filing for Research Work” in online mode organized by Computer Science and Engineering department, On 5th May 2024
- 7) Ms. Lakshmi K K attended 5 Days workshop on “Outcome base education” organized by KSIT on 3rd June to 7th June 2024.
- 8) Ms. Roopa K Murthy attended 5 Days workshop on “Outcome base education” organized by KSIT on 3rd June to 7th June 2024.
- 9) Ms. Renuka Patil attended 5 Days workshop on “Outcome base education” organized by KSIT on 3rd June to 7th June 2024.
- 10) Ms. Poornima H N attended 5 Days workshop on “Outcome base education” organized by KSIT on 3rd June to 7th June 2024.
- 11) Ms. Sudha Mattended 5 Days workshop on “Outcome base education” organized by KSIT on 3rd June to 7th June 2024.
- 12) Ms. Preetha Kamath B attended 5 Days FDP on Generative AI and Cyber Security” Held from 24th to 28th July.

PUBLICATIONS BY FACULTIES

- 1) Ms. Roopa K Murthy, "**A Survey on Guidance System for People with Limited Vision or No Vision**", IARJSET International Advanced Research Journal in Science, Engineering and Technology, vol. 10, no. 12, pp. 162-169, 2023, Cross ref <https://doi.org/10.17148/IARJSET.2023.101221>.
- 2) Ms. Roopa K Murthy, "A SURVEY ON PLANTATION DATABASE", IARJSET International Advanced Research Journal in Science, Engineering and Technology, vol. 11, no. 1, 2024, Cross ref <https://doi.org/10.17148/IARJSET.2024.11114>.
- 3) Dr. Vijayalaxmi Mekali, "**NeuroSync: Thoughts to Character Conversion Through Deep Learning Ensemble Model**", International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, Issue 12, December 2023.



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- 4) Dr. Vijayalaxmi Mekali, **"A Survey of Artificial Intelligence (AI) and Brain Computer Interface Techniques (BCI) for Translating Brain Signals into Text"**, International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, Issue 12, December 2023.
- 5) Dr. Vijayalaxmi Mekali, **"Online Blogging System for an Organization"**, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 12 Issue V May 2024.
- 6) Nishitha S, Sneha G Palanker, **"Online Blogging System for an Organization"**, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 12 Issue 1 January 2024.
- 7) Prof. Renuka Patil, **"An Encompassing Literature Review on Predicting Botnet Attacks in Web using Machine Learning Approaches"**, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 11 Issue XII Dec 2023.
- 8) Prof. Lakshmi K K, **"Combatting Deceptive Media: An In- depth disquisition of Machine Learning ways for relating Fake Multimedia Content"**, International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, Issue 5, May 2024.
- 9) Prof. Lakshmi K K, **"An all-inclusive study on identification of fake multimedia content using Machine Learning approaches: A survey"**, International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, Issue 12, December 2023.
- 10) Prof. Lakshmi K K, **"Sentiment-Driven Medication Guidance"**, Tejass Publishers, Volume 11 Issue V May 2024.
- 11) Prof. Lakshmi K K, **"A Survey on: Sentiment-Driven Medication Guidance"**, International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, Issue 12, December 2023.
- 12) Prof. Roopa K Murty, **"Autism Spectrum Detection"**.
- 13) Prof. Roopa K Murty, **"A Survey on Guidance System for People with Limited Vision or No Vision"**, International Advanced Research Journal in Science, Engineering and Technology.
- 14) Prof. Pooornima H N, **"Monitoring Diverse Crop Activities Using Machine Learning Approaches"**, International Advance Research Journal in Science, Engineering and Technology, Volume 11, Issue 5, May 2024.
- 15) Prof. Pooornima H N, **"A Decentralized E-Voting System Using Blockchain"**, International Advance Research Journal in Science, Engineering and Technology, Volume 11, Issue 5, May 2024.
- 16) Prof. Pooornima H N, **"Automated Text Analysis and Assessment Using NLP"**, International Advance Research Journal in Science, Engineering and Technology, Volume 11, Issue 5, May 2024.

100% RESULTS

SUBJECT CODE	SUBJECT	STAFF NAME
18AI744	Business Intelligence	Dr. Vijayalaxmi Mekali
18AI71	Advanced Artificial Intelligence	Ms. Roopa K Murthy
18ME751	Energy and Environment	Mr. Prasad K
21UHV49	Universal Human Values	Ms. Roopa K Murthy



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SI No	SUBJECTCODE	SUBJECT	STAFFNAME
1	21RMI56	RESEARCH METHODOLOGY &INTELLECTUAL PROPERTYRIGHTS	Ms. Preetha kamath
2	18AI71	ADVANCED ARTIFICIAL INTELLIGENCE	Prof. Roopa K Murthy
3	18AI72	ADVANCE MACHINE LEARNING	Dr. Amulyashree S
4	18AI733	BLOCKCHAIN TECHNOLOGIES	Dr. Amulyashree S
5	18AI744	BUSINESS INTELLIGENCE	Dr. Vijayalakshmi Mekali
6	18ME751	ENERGY AND ENVIRONMENT	Prof. Prasad K
7	18AI821	SYSTEM MODELLING AND SIMULATION	Prof. Poornima H N

FUNDED PROJECTS

- 1) The project titled "Prevention and Detection of Botnet attacks" carried out by final year students Ms. Yashila R, Mr. Gurudeep R Ms. Yogita S, and V Varun under the guidance of Ms. Renuka Patil was selected for KSCST of Rs. 2000.
- 2) The project titled "Deepfake Creation and Detection for Multimedia Content" carried out by final year students M Divyashree, Poornima M C, Rupa Puthineedi and Tanmayee R under the guidance of Ms. Lakshmi K K was selected for KSCST of Rs. 2000.

ACHIEVEMENTS BY STUDENTS:

1. MARATHON organized by department of Electronics & Communication Engineering at K S Institute of Technology on 17th June 2023.
2. Ms. Tanmayee R was the winner for the Gana Bajana event, ANANYA 2023
3. Mr. Gurudeep R, participated in the National Integration Camp of the Ministry of Youth, Affairs and Sports. Govt of India organized by the Department of NSS held from 22-11- 2023 to 28-11-2023



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4. Team Aakriti, Indrajit, Tanushree, Ashika H N, Thriveni U, Kavyashree S L, Varsha Bai R, Runners Up of the vent **"The Coding Rangers"** organized by TNS India Foundation on the occasion of **"The National Youth Day"** on 12th Jan 2023.

DEPARTMENT OF COMPUTER SCIENCE & DESIGN ENGINEERING

EVENTS CODUCTED

- 1) Industrial Visit to ISRO on 08-06-2023, under Adroit club.





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- 2) Department Organized Technical talk on “Introduction to Dockers by Dr Geetha J Associate Professor, Ramaiah Institute of Technology, To learn to use Docker to deploy and manage various applications across different environment on 19/6/2024.



- 3) Department organized one day Workshop on “UI-UX Design ” by Mr. Soumya Kundu, a seasoned UX Designer and Mr. Vaibhav Pathak, a highly skilled and imaginative Product Designer currently contributing their expertise at Philips in Bengaluru, Karnataka, who were the speakers for the workshop on 9/2/2024.

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- 4) Department Organized Technical Talk on “Building Smarter Systems: The Role Of Machine Learning And AI In Engineering ” Resource person Mr. Hemanth Kumar A Senior Data Scientist Brillio on 13/6/2024.
- 5) Department organized Workshop on Building Computer Vision AI Model by Resource person Mr. Varun Poladiya Head of marketing at NAVAN ai on 08/02/2024 at 9.00 AM to 10.30 AM.
- 6) Department Organized Technical Talk on “Innovation With No Code And Low Code” Resource person Mr. Manikumar Lakkaraju start up mentor serial Entrepreneur and Networker no code specialist. On 22/6/2024 at 11AM to 1PM.

EVENTS ATTENDED BY FACULTY:

- 1) Dr Deepa S R Attended faculty development program on “FDP on Angular and Node JS, JSS Academy of Technical Education, Bengaluru. 2-11-23 to 4-11-23
- 2) Sushma A, Attended faculty development program on “FDP on Angular and Node JS, JSS Academy of Technical Education, Bengaluru. 2-11-23 to 4-11-23
- 3) Dr Surekha Byakod Three Days Faculty Development Programme on “Cyber Security” jointly organized by RVITM, Bengaluru, In association with Visveswaraya Technological University, Belagavi. from 1st April to 3rd April 2024.
- 4) Mrs Sushma A attended Three Days Faculty Development Programme on “Full Stack Development”- jointly organized by JSS, Bengaluru, In association with Visveswaraya Technological University, Belagavi. from 2nd April to 4th April 2024.
- 5) Mr Wasim Yasin attended Three Days Faculty Development Programme on “Full Stack Development”- jointly organized by JSS, Bengaluru, In association with Visveswaraya Technological University, Belagavi. from 2nd April to 4th April 2024.



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PUBLICATIONS BY FACULTY:

- Dr Deepa S, "Tamper Proof Air Quality Management System using Blockchain" International Journal of Advanced Computer Science and Applications (IJACSA), 2023, Vol. 14, No. 2, pp. 263-271 DOI <http://dx.doi.org/10.14569/IJACSA.2023.0140232> (Scopus Indexed-Q3 and Web of Science (ESCI))

ACHIEVEMENTS BY FACULTY

1. Dr. Deepa S R, Professor & HOD, recognized as Reviewer for Fifth International Conference on Cognitive Computing and Information Processing (CCIP 2023) is being organized at JSS STU during 15th and 16th, December 2023, JSS Science and Technology University, Mysuru
2. Dr. Deepa S R, Professor & HOD, recognized as Reviewer for IEEE International Conference on Recent Advances in Science & Engineering Technology (ICRASET) is being organized at BGS Institute of Technology, BG Nagar, Mandya, India, during 23rd and 24th November 2023.
3. Dr. Deepa S R, Professor & HOD, recognized as Reviewer for IEEE International Conference on Recent Advances in Science & Engineering Technology (ICRASET) is being organized at BGS Institute of Technology, BG Nagar, Mandya, India, during 23rd and 24th November 2023.
4. Dr. Deepa S R, Professor & HOD, successfully completed her course on Online certification course to "Introduction to Data Science" by Simplilearn
5. Surekha Byakod completed 12 -weeks NPTEL course on " Accreditation And Outcome Based Learning during August 2023 to Nov 2023.
6. Dr Surekha Byakod Received 3rd prize for 100mts running on sports day June 2024.

SESSION CHAIR

- Dr. Deepa S R has been a session chair for IEEE International conference on Data Engineering and Communication systems at RNSIT, Bangalore held during march 2024.

PAPER REVIEWER

- Dr. Deepa S R has reviewed the papers for IEEE International conference on Data Engineering and Communication systems at RNSIT, Bangalore held during march 2024.

ACHIEVEMENTS BY STUDENTS

TOPPER'S LIST 2023

- ANAGHA SHASTRY 1KS21CG004
- VARSHITHA SRIDHAR 1KS21CG055



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DEPARTMENT OF COMPUTER AND COMMUNICATION
ENGINEERING

EVENTS CONDUCTED

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- 1) The Department of CSE-CCE organized TECHNICAL TALK on “BEYOND WIRES AND WAVES – INTERNET COMMUNICATION & NETWORKING PROTOCOLS DEMYSTIFIED” by Mr AKHIL MOHAN, Solution Architect at Akamai Technologies on 11.01.2024



- 2) The Department of CSE-CCE organized ONE DAY INDUSTRIAL VISIT to Place of Visit: KTPO Convention Centre White field, Bengaluru, India for IoT TECH EXPO on 02.02.2024.



- 3) The Department of CSE-CCE organized WORKSHOP on “VERILOG HDL” by Mr. PADMANABAN.K, Software Enabling & Optimization Engineer, Intel Technologies on 18th and 19th Jan 2024

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- 4) The Department of CSE-CCE organized ONE DAY INDUSTRIAL VISIT to KTPO Conventional Center White field , Bengaluru ,India for IoT Tech EXPO on 2-02-2024



- 5) The Department of CSE-CCE organized TECHNICAL TALK on “EMBEDDED SYSTEMS AND ITS FUTURE ” by Mr.PADMANABAN.K ,Software Enabling &Optimization Engineer,Intel Technologies on 05/07/2024.



- 6) ANANYA –THE FEST OF KSIT:ANANYA the banger fest of KSIT the students of our dept.CSE-CCEhas taken part in various cultural activities such as:
- (i) Anush.S the CORE COORDINATOR has taken part as coordinator in the fest by managing the event and taking care of the event.
 - (ii) BrindaS the member of literature club has taken part as a member by giving the script for anchoring on the stage.
 - (iii) Sneha B and Shreyashree joshi also the member of literature club has taken part as EMCEE in the fest.
 - (iv) Mohammed Fahim the member of music team has mesmerized the college with his music.
 - (v) NithyaV,Shreedhanya the members of dance team has performed many dance for the fest held at the college.
 - (vi) Anush S, Arun L Jadava Lamani,Kiran D, Kundan,Shreepada has participated in dept.dance and drama.
- 7) National Service Scheme:The students of CSE-CCE ANUSH. S,ARUN.L JADAVALAMANI,KIRAN.D has attended the 7 days special camp held at Ramanahalli in which they will be working on the

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development and cleaning of the village with new set of skills. They have attended and participated in organising the following

- (i) Medical camp at Ramanahalli
- (ii) Dental camp at Ramanahalli,
- (iii) School painting of government school at Ramanahalli
- (iv) Cultural programs every evening for 7 days.



EVENTS ATTENDED BY FACULTY

1. Dr.Chanda.V.Reddy , Professor &Head participated in 5 day faculty development program on **“Data Analytics with excel”** from 20/10/2023 to 1/12/2023.
2. Mrs.Shashikala.H.C participated in a 5 days faculty development program on **“Data Analytics with excel”** from 20/10/2023 to 1/12/2023
3. Mrs Shashikala.H.C participated in a 6 days faculty development program on **“Teaching Learning and OBE Concepts”** from 21/10/2023 to 27/10/2023.
4. Mrs.Naga Jyothi.T participated in a 6 days faculty development program on **“Teaching Learning and OBE Concepts”** from 21/10/2023 to 27/10/2023
5. Mrs.Naga Jyothi participated in a faculty development program on **“Research Symposium on Synergistic Innovations”** on 17/10/2023

INTERNATIONAL JOURNAL PUBLICATIONS:

1. Dr. Chanda.V.Reddy “Wireless Notice Board Using Bluetooth HC-05 and Arduino Uno-R3 Indexed by Google Scholar, Mendeley” NAAS Accredited Science Journal ,UGC approved in year 2017, ISO 3297:2007 Certified Thomson Reuters ID I-8645-2017
2. Dr.Chanda.V.Reddy “Reinforcing optimization enabled interactive approach for liver tumor extraction in computed tomography images” , International Journal of Electrical and Computer Engineering(IJECE)Vol. 13, No. 4, August 2023, pp. 4076~4086.ISSN: 2088-8708, DOI: 10.11591/ijece.v13i4.pp4076-4086
3. Mrs.Shashikala.H.C , “Voice controller , Obstacle avoidance and metal detection car using Arduino” ,TIJER International Journal(ISSN:2349-9249).10(9),b180-b189,2023

ACHIEVEMENTS BY STUDENTS



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1. Mohammed Fahim (USN:1KS22CM030) & Dinesh Sharma (USN:1KS22CM015) & Karthik. Joshi (USN:1KS22CM024) received an appreciation certificate in recognition of outstanding and innovation demonstrated at JITHACK24 hosted by JYOTHI INSTITUTE OF TECHNOLOGY on 7th to 8th JUNE 2024.
2. Vishnu Priya .G.S has participated in the 68th Junior National Ball Badminton Sports Complex Kankarbagh ,Patna, Bihar on 14/03/2024.
3. Nithya.V (USN:1KS22CM035) participated in "NSS State Level Pre Republic Day Parade Selection Camp" 2023-2024 held at Agricultural Sciences, Bangalore from 11th to 13th October 2023.
4. Shreedhanya.M.S participated in NISVARRTH-2023 KSGI 5K MARATHON organized by department of ECE at K.S.I.T on 17-06-2023.
5. Vishnu Priya .G.S has participated in the 68th Junior National Ball Badminton Sports Complex Kankarbagh,Patna,Bihar on 14/03/2024.
6. DineshSharma.BSecuredfirstplaceondiscusstrowonSportsDayheld at KSIT,Bangalore on31-5-2024.
7. SriLakshmiPY has successfully participated & won 2ndprize in the 4th Virtual Margazhi Utsav's VARNAM SAGA Solo Bharatanatyam Varnam Competition under the 19-23 age group category, organized by NAALATHE TRUST on January 14, 2024

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EVENTS CONDUCTED

1. The Department of Computer Science and Engineering Organized Seminar on “**Organic Farming and Benefits of Organic Farming**” on 19th December 2023.



2. The Department of Computer Science and Engineering organized “**Technical Training & Project Exhibition**” on 1st December 2023.



3. The Department of Computer Science and Engineering Organized “**Industrial Visit**”, on 30th November 2023.



4. The
Computer

Department of
Science and



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Engineering in association with CSI Organized a Workshop on “Image Processing with OpenCV” on 30th October 2023.



5. The Department of Computer Science and Engineering Organized FDP on “Teaching, Learning & OBE” from 21st September to 27th September 2023.



6. The Department of Computer Science and Engineering in association with CSI Organized GL on “Online Tecktonik 1.6 Data Privacy” on 7th September 2023.



7. The Department of Computer Science and Engineering in association with Cyber Ninja Technologies Pvt. Ltd Organized Talk on “Awareness about Overseas Opportunities” on 17th August 2023.

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8. The Department of Computer Science and Engineering in association with ED Cell Organized Talk on **“Entrepreneurship-VentureVision”** on 22nd August 2023.



9. The Department of Computer Science and Engineering in association with CSI Organized Mini Project Exhibition on **“CG& MAD Mini Project Exhibition”** on 10th July 2023.



10. The Department of Computer Science and Engineering Organized Online Seminar on **“DevOps Career Opportunities”** on 21st July 2023.



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- **11.** The Department of Computer Science and Engineering Organized **Awareness about overseas opportunities** by Mr. Arya Gaurav- Strategic Alliance Manager, Mr. Arshad Ahmed-Australia Destination Manager, Mr.Lokesh Narang-Canada Destination Manager and Mr.Mahesh– UK Councelor on 8th may 2023.



- 12.** The Department of Computer Science and Engineering Organized an event **"Futurforge"** consists SentinelHack4.O(214 Participants, 55 Teams) by Dr. K N Subramanya, Principal RVCE during 04th May 2023and 05th May 2023.



- 13.** The Department of Computer Science and Engineering Organized a Workshop on **"How to Manage Stress?"** was conducted by Dr. hallegereMurthyScopeFoundationFounder on 10th April 2023.



- 14.** The Department of Computer Science and Engineering Organized a Workshop on **"OutComeBasedEducation-**



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Awareness Program by Mr. Krishna Gudi, Asst. Professor, Dept. Of CSE, KSIT was conducted on 07th March, 2023.



15. The Department of Computer Science and Engineering Organized Industrial Visit for III Sem Students (50 Students) in the event **"Open Day IISc Open Day"** on 4th March 2023.



16. The Department of Computer Science and Engineering Organized Quiz for 54 Participants College level **14th Edition of Engineering It Quiz - "TCS TechBytes 2023"** was conducted on 20th February 2023.



17. The Department of Computer Science and Engineering Organized a Workshop on **"Entrepreneurship awareness Programme"** was conducted by Mr. ANATH MALLYA, Founder and CEO Quantech Origin Sacumen on 15th February 2023.



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18. The Department of Computer Science and Engineering Organized a Workshop on **“Building Computer Vision AI Model”** was conducted by Mr. Varun Poladiya, Head of Marketing at NAVAN Alon 08th February 2023.



19. The Department of Computer Science and Engineering Organized **“Guidance&Counseling on Higher studies in USA”** was conducted by Mr. Shashwat Bhaskar, The Product Manager Intel USA & Alumni of KSIT on 4th February 2023.



20. The Department of Computer Science and Engineering Organized a Workshop for IIISEM Students on **“CYBER SAFETY”** was conducted by Mr. Nitesh Sinha, Founder & CEO, Sacumen and Mr. Jeevesha, director of HR & Operations, Sacumen on 17th January 2023.





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21. The Department of Computer Science and Engineering Organized Industrial Visit for VI Sem (115) Students to “**Xcel Corporation Software development Centre**” on 17th May2024.



22. The Department of Computer Science and Engineering Organized “**DBMS Mini Project Exhibition**” on 18th March2024.



23. The Department of Computer Science and Engineering Organized “**Blockchain and Web3 - Building with Krycore web3.0**” by Team Krycore Technologies on 19th February 2024.



24. The Department of Computer Science and Engineering Organized “**Data Analytics Boot Camp**” for Vth Sem students by Shaik Johny Basha on 1th August 2024.

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25. The Department of Computer Science and Engineering Organized **“Heritage Walk- Exploring Cultural Riches”** at Janapada Loka, Ramanagara on 17th Jan 2024.



26. The Department of Computer Science and Engineering Organized **“Introduction to Experiential Learning using Virtual Labs”** by NIT Surathkal on 2nd June 2024.



27. The Department of Computer Science and Engineering Organized **“Exploring IISc Bangalore- Open Day - 2024”** on 24th February 2024.

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EVENTS ATTENDED BY FACULTY

1. Mr. Harshavardhan attended Five Days Faculty Development Programme on “Angular JS and Node JS” jointly organized by Sri venkateshwara college of engineering in association with SVCE SAA and IETE bengaluru from 16th October–20th October 2023
2. Dr. Kusuma T attended Six Days Faculty Development Programme on “Full Stack Application Development with MS Azure Cloud under TechSaksham” organized by Microsoft SAP and AICTE under TechSaksham from 4th September to 9th September 2023.
3. Dr. Sunitha Chalageri attended Five Days Faculty Development Programme on “Recent Trends in Deep Learning & Large Language Models” organized by Electronics and ICT Academy IIT Roorkey from 9th October to 13th October 2023.
4. Dr. R Senkamalavalli attended Five Days Faculty Development Programme on “Artificial Intelligence and its Applications in Communication, Signal Processing, Image Processing and Computing Applications” Organized by the Department of Electronics and Communication Engineering, CMR Institute of Technology, Bengaluru from 06th November to 10th November 2023.
5. Mr. Kushal Kumar B N attended One Day Faculty Development Programme on “BCY358B – Incident Management in Cyber Security” jointly organized by BGS College of Engineering and Technology in association with Visveswaraya Technological University, Belagavi on 23rd November 2023.
6. Mrs. Pallavi K N attended Three Days Faculty Development Programme on “Full Stack Development Using Django” organized by Department of Information Science and Engineering, JSS Academy of Technical Education from 1st April to 3rd April 2024.
7. Mrs. Rashmi H attended Two Days Faculty Development Programme on “Octave Mathematical Software” organized by Department of Mathematics and Electronics and Communication Engineering, Dayanand Sagar College of Engineering in association with Board of Studies, and Electronics and Communication, Visveswaraya Technological University, IEEE, from 7th June to 8th June 2024.
8. Mrs. Kavya M S attended Five Days Faculty Development Programme on “Importance of Data Science in Machine Learning and Its Applications” organized by the Department of Computer Science and Engineering & Department of Information Science and Engineering, at RV Institute of Technology and Management, Bengaluru from 6th - 10th Feb 2023.
9. Mr. Laxmikantha K attended Five Days Faculty Development Programme on “Full Stack Development” organized by Department of Computer Science and Engineering in association



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with IQAC and CSI-BIT Bengaluru chapter from 29th April to 3rd May 2024.

10. Ms. Namyapriya D attended Five Days Faculty Development Programme on “Full Stack Development” organized by Department of Computer Science and Engineering at JSS in association with IQAC and CSI-BIT Bengaluru chapter from 29th April to 3rd May 2024.
11. Mrs. Shruthi T S attended SixDays Faculty Development Programme on “Advances In Machine Learning, Image Processing and Natural Language Processing” organized by Department of Information Technology, School of Engineering and Technology, Nagaland University from 16th August to 21st August 2023.
12. Dr. H S Prasanth attended Three Days Professional Development Programme on “Digital Design & Computer Organization (DDCO- BCS302)” organized by Department of information Science and Engineering, Atria Institute of Technology from 7th November to 9th November 2023.
13. Dr. H S Prasanth attended One day Workshop on “Deep Learning with Active Sensor Satellite Data and Hands-on Training on Smart Farming” organized by organized by Department of Electronics and Communication Engineering in association with IEEE APS Society chapter and IEEE student branch at School of engineering and Technology, CHRIST (Deemed to be University), Bengaluru on 18th August 2023.
14. Dr. Ganga Holi attended Six Days Faculty Development Programme on “Teaching Learning & OBE Concepts” organized by K S Institute of Technology, Bengaluru from 21st September to 27th September 2023.
15. Mr. Harshavardhan J R attended Three days Days Faculty Development Programme on “Angular JS and Node JS” organized by Department of Information Science and Engineering, JSS Academy of Technical Education, Bengaluru from 2nd November to 4th November 2023.
16. Mr. Harshavardhan J R attended Six days Faculty Development Programme on “Teaching Learning & OBE Concepts” organized by K S Institute of Technology, Bengaluru from 21st September to 27th September 2023.
17. Dr. Kusuma T attended Five days Faculty Development Programme on “Exploring Generative AI” organized by Department of Computer Science and Engineering, East Point College of Engineering and Technology, Bengaluru from 22nd January to 26th January 2024.
18. Dr. Kusuma T attended Five days Faculty Development Programme on “Artificial Intelligence and its Applications in Communication, Signal Processing, Image Processing and Computing Applications” organized by Department of Electronics and Communication Engineering, CMR institute of Technology, Bengaluru from 6th November to 10th November 2023.
19. Dr. Kusuma T attended Six Days Faculty Development Programme on “Advances In Machine Learning, Image Processing and Natural Language Processing” organized by Department of Information Technology, School of Engineering and Technology, Nagaland University from 16th August to 21st August 2023.
20. Dr. Sunitha Chalageri attended Two Days Faculty Development Programme on “Octave Mathematical Software” organized by Department of Mathematics and Electronics and Communication Engineering, Dayanand Sagar College of Engineering in association with Board of Studies, and Electronics and Communication, Visveswaraya Technological University, IEEE, from 7th June to 8th June 2024.
21. Dr. Sunitha Chalageri Six Days Faculty Development Programme on “Computer Graphics and Image Processing” Organized by Department of Computer Science and Engineering, SJB Institute of Technology, Bengaluru from 22nd to 27th April 2024.



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22. Dr. Sunitha Chalageri attended Five Days Faculty Development Programme on “Angular JS and Node JS” jointly organized by Sri Venkateshwara college of engineering in association with SVCE SAA and IETE bengaluru from 16th October–20th October 2023.
23. Dr. Sunitha Chalageri attended Six days Faculty Development Programme on “Teaching Learning & OBE Concepts” organized by K S Institute of Technology, Bengaluru from 21st September to 27th September 2023.
24. Dr. Sunitha Chalageri attended Six Days Faculty Development Programme on “Advances In Machine Learning, Image Processing and Natural Language Processing” organized by Department of Information Technology, School of Engineering and Technology, Nagaland University from 16th August to 21st August 2023.
25. Dr. R Senkamalavalli attended Five Days Faculty Development Programme on “IoT's and Sensor Networks” Organized by Department of Electronics and Communication Engineering, at AAASC, Namakkal, Tamil Nadu from 9th October to 13th October 2023.
26. Mr. Kumar K attended One day workshop on “Advancements in Full Stack Engineering with Power of ChatGPT” organized by XIMAX Solutions Pvt. Ltd on 2nd February 2024.
27. Mr. Roopesh Kumar B N attended Three Days Professional Development Programme on “Digital Design & Computer Organization (DDCO- BCS302)” organized by Department of information Science and Engineering, Atria Institute of Technology from 7th November to 9th November 2023.
28. Mr. Krishna Gudi attended Five Days Faculty Development Programme on “Outcome Based Education” organized by Departement of Computer Science and Engineering, K S Institute of Technology from 3rd June to 7th June 2024.
29. Mr. Krishna Gudi attended Three Days Professional Development Programme on “Digital Design & Computer Organization (DDCO- BCS302)” organized by Department of information Science and Engineering, Atria Institute of Technology from 7th November to 9th November 2023.
30. Mr. Krishna Gudi attended Six Days Professional Development Programme on “IP Incubation and Starups” organized by KSIT - KSCST IP cell, K S Institute of Technology in association with patent information center, Karnataka State Council for Science and Technology IISC Campus, Bengaluru from 3rd August to 8th August 2023.
31. Mr. Somashekar T attended Five Days Faculty Development Programme on “Outcome Based Education” organized by Departement of Computer Science and Engineering, K S Institute of Technology from 3rd June to 7th June 2024.
32. Mr. Somashekar T attended Six Days Professional Development Programme on “IP Incubation and Starups” organized by KSIT - KSCST IP cell, K S Institute of Technology in association with patent information center, Karnataka State Council for Science and Technology IISC Campus, Bengaluru from 3rd August to 8th August 2023.
33. Mr. Krishna Gudi participated one day workshop on “Microchip Academia Programm Meet” organized by Silicon microsystems on 20th March 2024.
34. Mr. Somashekar T participated one day workshop on “Microchip Academia Programm Meet” organized by Silicon microsystems on 20th March 2024.
35. Mr. Sanjoy Das attended Six days Faculty Development Programme on “Teaching learning & OBE Concepts” organized by K S Institute of Technology, Bengaluru from 21st September to 27th September 2023.
36. Mr. Prashanth H S attended Five Days Faculty Development Programme on “Outcome Based



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Education” organized by Departement of Computer Science and Engineering, K S Institute of Technology from 3rd June to 7th June 2024.

37. Mrs. Pallavi K N attended Six Days Professional Development Programme on “IP Incubation and Starups” organized by KSIT - KSCST IP cell, K S Institute of Technology in association with patent information center, Karnataka State Council for Science and Technology IISC Campus, Bengaluru from 3rd August to 8th August 2023.
38. Mrs. Pallavi K N attended Five Days Faculty Development Programme on “Outcome Based Education” organized by Departement of Computer Science and Engineering, K S Institute of Technology from 3rd June to 7th June 2024.
39. Mrs. Rashmi H attended Six days Faculty Development Programme on “Teaching learning & OBE Concepts” organized by K S Institute of Technology, Bengaluru from 21st September to 27th September 2023.
40. Mrs. Rashmi H attended Two days seminar on “Applications of Augmented Reality and Virtual Reality in Engineering” organized by K S School of Engineering from 14th September to 15th September 2023.
41. Mrs. Rashmi H attended Six Days Professional Development Programme on “IP Incubation and Starups” organized by KSIT - KSCST IP cell, K S Institute of Technology in association with patent information center, Karnataka State Council for Science and Technology IISC Campus, Bengaluru from 3rd August to 8th August 2023.
42. Mrs. Kavya M S attended Six Days Professional Development Programme on “IP Incubation and Starups” organized by KSIT - KSCST IP cell, K S Institute of Technology in association with patent information center, Karnataka State Council for Science and Technology IISC Campus, Bengaluru from 3rd August to 8th August 2023.
43. Mrs. Kavya M S attended Five Days Faculty Development Programme on “Outcome Based Education” organized by Departement of Computer Science and Engineering, K S Institute of Technology from 3rd June to 7th June 2024.
44. Mrs. Pallavi R attended Six Days Professional Development Programme on “IP Incubation and Starups” organized by KSIT - KSCST IP cell, K S Institute of Technology in association with patent information center, Karnataka State Council for Science and Technology IISC Campus, Bengaluru from 3rd August to 8th August 2023.
45. Mr. Lakshmikanth K attended Six Days Professional Development Programme on “IP Incubation and Starups” organized by KSIT - KSCST IP cell, K S Institute of Technology in association with patent information center, Karnataka State Council for Science and Technology IISC Campus, Bengaluru from 3rd August to 8th August 2023.
46. Mr. Lakshmikanth K attended Five Days Faculty Development Programme on “Outcome Based Education” organized by Departement of Computer Science and Engineering, K S Institute of Technology from 3rd June to 7th June 2024.
47. Mr. Lakshmikanth K attended Two days seminar on “Applications of Augmented Reality and Virtual Reality in Engineering” organized by K S School of Engineering from 14th September to 15th September 2023.
48. Mr. Lakshmikanth K attended Six days Faculty Development Programme on “Teaching Learning & OBE Concepts” organized by K S Institute of Technology, Bengaluru from 21st September to 27th September 2023.
49. Mr. Lakshmikanth K attended Three days Days Faculty Development Programme on “Angular JS and Node JS” organized by Department of Information Science and Engineering,



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JSS Academy of Technical Education, Bengaluru from 2nd November to 4th November 2023.

50. Ms. Namyapriya D attended Five Days Faculty Development Programme on “Outcome Based Education” organized by Departement of Computer Science and Engineering, K S Institute of Technology from 3rd June to 7th June 2024.
51. Ms. Namyapriya D attended Six Days Professional Development Programme on “IP Incubation and Starups” organized by KSIT - KSCST IP cell, K S Institute of Technology in association with patent information center, Karnataka State Council for Science and Technology IISC Campus, Bengaluru from 3rd August to 8th August 2023.
52. Ms. Namyapriya D attended Six days Faculty Development Programme on “Teaching Learning & OBE Concepts” organized by K S Institute of Technology, Bengaluru from 21st September to 27th September 2023.
53. Ms. Namyapriya D attended Three Days Faculty Development Programme on “Full Stack Development Using Django” organized by Department of Information Science and Engineering, JSS Academy of Technical Education from 1st April to 3rd April 2024.
54. Mrs. Ramanjinamma G attended Six days Faculty Development Programme on “Teaching learning & OBE Concepts” organized by K S Institute of Technology, Bengaluru from 21st September to 27th September 2023.
55. Mrs. Swapna S Banasode attended Five days Profesional Development Programme on “Quantum Computing and Machine Learning with Hands on” organized by Vardhanman College of Engineering, Hyderabad from 24th June to 28th June 2024.
56. Mrs. Swapna S Banasode attended Six days Faculty Development Programme on “Teaching learning & OBE Concepts” organized by K S Institute of Technology, Bengaluru from 21st September to 27th September 2023.
57. Mrs. Swapna S Banasode attended Six Days Professional Development Programme on “IP Incubation and Starups” organized by KSIT - KSCST IP cell, K S Institute of Technology in association with patent information center, Karnataka State Council for Science and Technology IISC Campus, Bengaluru from 3rd August to 8th August 2023.
58. Mrs. Swapna S Banasode attended Five Days Faculty Development Programme on “Outcome Based Education” organized by Department of Computer Science and Engineering, K S Institute of Technology from 3rd June to 7th June 2024.
59. Mrs. Swapna S Banasode attended Three days Days Faculty Development Programme on “Angular JS and Node JS” organized by Department of Information Science and Engineering, JSS Academy of Technical Education, Bengaluru from 2nd November to 4th November 2023.
60. Mr. Abhilash L Bhat attended Six Days Professional Development Programme on “IP Incubation and Starups” organized by KSIT - KSCST IP cell, K S Institute of Technology in association with patent information center, Karnataka State Council for Science and Technology IISC Campus, Bengaluru from 3rd August to 8th August 2023.
61. Mr. Abhilash L Bhat attended Five Days Faculty Development Programme on “Outcome Based Education” organized by Departement of Computer Science and Engineering, K S Institute of Technology from 3rd June to 7th June 2024.
62. Mrs. Shruthi T S attended Five days Faculty Development Programme on “Artificial Intelligence and its Applications in Communication, Signal Processing, Image Processing and Computing Applications” organized by Department of Electronics and Communication Engineering, CMR institute of Technology, Bengaluru from 6th November to 10th November 2023.



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63. Mrs. Ramya R attended Six days Faculty Development Programme on “Teaching Learning & OBE Concepts” organized by K S Institute of Technology, Bengaluru from 21st September to 27th September 2023.
64. Mrs. Ramya R attended Two days seminar on “Applications of Augmented Reality and Virtual Reality in Engineering” organized by K S School of Engineering from 14th September to 15th September 2023.
65. Mrs. Suma Rajesh A attended Five Days Faculty Development Programme on “Outcome Based Education” organized by Departement of Computer Science and Engineering, K S Institute of Technology from 3rd June to 7th June 2024.
66. Mrs. Roopashree S V attended Five Days Faculty Development Programme on “Outcome Based Education” organized by Departement of Computer Science and Engineering, K S Institute of Technology from 3rd June to 7th June 2024.

PUBLICATIONS BY FACULTIES

1. Dr. Rekha B Venkatapur “**A comparative study on different Video Compression Standards: characteristics, working mechanism, performance analysis and applications**”, High Technology Letters, ISSNNO: 1006-6748, Volume 29, Issue 7, 2023, May 2023.
2. Dr. Rekha B Venkatapur “**Motion Estimation using Optical Flow Through A CNN based Pyramidal Warping and Cost Volume Approach: An Optimized PWC-Net Model**” Grenze International Journal of Engineering and Technology, Grenze ID: 01.GIJET.10.2.737
3. Dr. Rekha B Venkatapur “**Cyber Sentry: A Chatbot Solution for Tackling Cybercrime**, Journal of Xidian University, ISSN No:1001-2400, VOLUME 18, ISSUE 4, 2024
4. Dr. Rekha B Venkatapur “**Insights into Air Quality and Mixed Gas Analysis: A Machine Learning and Visualization Apporach**” Journal of Xidian University, ISSN No:1001-2400, VOLUME 18, ISSUE 5, 2024
5. Dr. Rekha B Venkatapur “**Land Registration Technology using Block Chain Technology**” Q3: HTL Journal, Vol 29, Issue 9, Sep 2023, The Journal.
6. Dr. Rekha B Venkatapur “**A Contemporary Survey on Advancements in Adversarial Attacks and Defense Mechanisms in the Field of Machine Learning**” HTL Journal, ISSN No: 1006-6748, Impact Factor: 2.7, Peer Review, International Journal, Vol 30, Issue 3, March – 2024
7. Dr. Rekha B Venkatapur “**Review of Applications to assist Legal issues related to Cyber Crimes**” International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, Issue 10, October 2023, ISSN (O) 2393-8021, ISSN (P) 2394-1588
8. Dr. H S Prasanth “**Futuristic Trends in Artificial Intelligence**” Volume 3, Book 5, 2024, IIP Series, E-ISBN: 978-93-6252-373-0, Selfypage Developers Pvt. Ltd., Publication Date: 25-02-2024
9. Dr. H S Prasanth “**A Computer Aided Tool for Detection And 3D Visualization of Brain Tumor In Human Brain**” Q3: HTL Journal, Vol 29, Issue 9, Sep 2023
10. Dr. H S Prasanth “**Machine Learning Approaches for Exoplanet Exploration from keplerlight Curves**” Q3: HTL Journal, Vol 29, Issue 8, Aug 2023, The Journal
11. Dr. H S Prasanth “**Disease Index Determination of Arecanut Plantation using Hyperspectral Imaging**” Journal of Xidian University, UGC Approved Group 2 Journal, Imapact Factor: 5.4, Vol 17, Issue 11, 2023.
12. Dr. Kusuma T “**Machine Learning Approach to Anomaly Detection in Cloud Infrastructure**” International Journal of Creative Research Thoughts (IJCRT), Vol 11, 8th Aug 2023, ISSN: 2320 – 2882
13. Dr. R Senkamalavalli “**Smart Personal Protective Equipment in Ambulance Services with IoT**”



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- Integration for Safety”** Link: <https://ieeexplore.ieee.org/document/10391762> DOI: 10.1109/SmartTechCon57526.2023.10391762
14. Dr. R Senkamalavalli **“Analysis of Artificial Intelligence Developments and Their Impacts on Cyber Security International Journal of Scientific Research in Computer Science, Engineering and Information Technology”**, UGC Journal No: 64718, Impact Factor- 7.254, Vol – 9, Issue – 9, Jul – August 2023
 15. Dr. R Senkamalavalli **“Traffic Aware Routing with Round Technique for Equating the Load in Software Defined WSN”** Second International Conference on Electronics and Renewable Systems (ICEARS), 2-4 Mar 2023
 16. Dr. R Senkamalavalli **“Data Mining in Higher Education – Persistence Clustering and Prediction”** International Journal of Scientific Research in Computer Science, ISSN: 2456-3307.
 17. Mr. Somasekhar T **“Insights into Air Quality and Mixed Gas Analysis: A Machine Learning and Visualization Approach”** Journal of Xidian University, ISSN No:1001-2400, VOLUME 18, ISSUE 5, 2024
 18. Mr. Somasekhar T **“Safeguarding Connections: Machine Learning Powered Intrusion Detection International Journal for Research in Applied Science & Engineering Technology”**, DOI: 10.22214, Paper ID: IJRASET56689, Vol 11, Issue XI, Nov 2023, ISSN: 2321-9653
 19. Mr. Somasekhar T **“Survey on Air Pollution in India: Insights. Predictions and Mixed Gas Analysis for an Improved Future International Journal for Research in Applied Science & Engineering Technology”**, DOI: 10.22214, Paper Id : IJRASET56770, Vol 11, Issue XI, Nov 2023, ISSN: 2321-9653
 20. Mr. Somasekhar T **“Predicting Network Security Using Machine Learning”** UGC Approved: Journal of Xidian University, ISSN No:1001-2400, VOLUME 18, ISSUE 4, 2024
 21. Mrs. Pallavi R **“Human Illness Classification Using Ayurvedic Tongue Diagnostic System”** Q4: Scopus, UGC Approved, Journal of Xidian University, DOI: 10.37896/jxu17.11/055, ISSN No: 1001 – 2400, Vol 17, Issue 11, 2023
 22. Mr. Laxmikantha K **“A Survey on Alzheimer’s Disease Recognition in MRI Images Deep Learning Approach”** IJRASET Journal For Research in Applied Science and Engineering Technology. Paper Id : IJRASET56848 Publish Date : 2023-11-20 ISSN : 2321-9653 Publisher Name : IJRASET
 23. Miss. Namyapriya D **“Savoring Success : Enhancing Restaurant Recommendations with Videos”** Q3: HTL Journals, ISSN: 1006 – 6748, Impact Factor: 2.7, Peer Review, Vol 30, Issue 4, Apr – 2024
 24. Miss. Namyapriya D **“Human Illness Classification Using Ayurvedic Tongue Diagnostic System”** Q4: Scopus, UGC Approved, Journal of Xidian University, DOI: 10.37896/jxu17.11/055, ISSN No: 1001 – 2400, Vol 17, Issue 11, 2023
 25. Miss. Namyapriya D **“A Contemplating Survey on Diverse Recommender Systems Scopus Journal”**, UGC Approved, Journal of Xidian University, DOI:10.37896/jxu17.11/057, ISSN No: 1001-2400, Vol 17, Issue 11, 2023, Page No 630-634
 26. Mr.Prashanth H S **“Unusual Event Detection International Journal for Research in Applied Science and Engineering Technology (IJRASET)”** Volume:11Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98.
 27. Mr.Raghavendrachar S **“Predicting Pancreatic Cancer using AIML Techniques International Journal for Research in Applied Science and Engineering Technology (IJRASET)”** Volume:11 Issue: 11, November 2023 ISSN :2321-9653SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56641 Page No:958-964



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28. Mr.Roopesh Kumar B N **"Automated Dashboard for AWS Services Monitoring International Journal for Research in Applied Science and Engineering Technology (IJRASET)"** Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56690 Page No:1386-1391
29. Mr.Roopesh Kumar B N **"A Contemporary Survey on Advancements in Adversarial Attacks and Defense Mechanisms in the Field of Machine Learning"** HTL Journal, ISSN No: 1006-6748, Impact Factor: 2.7, Peer Review, International Journal, Vol 30, Issue 3, March – 2024
30. Mr.Roopesh Kumar B N **"BlockLottery: A Decentralized Lottery System based on Blockchain Technology"** HTL Journal, ISSN No: 1006-6748, Impact Factor: 2.7, Peer Review, International Journal, Vol 30, Issue 7, 2024.
31. Mr.Kumar K **"A Survey on Deep Learning Technique for Sugarcane Disease Detection International Journal for Research in Applied Science and Engineering Technology (IJRASET)"** Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56727 Page No:1298-1303.
32. Mr.Roopesh Kumar B N **"Advancements in Grain Adulteration Detection and Quality Assessment –A Survey International Journal for Research in Applied Science and Engineering Technology (IJRASET)"** Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.429 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56673 Page No:1042-1050
33. Dr.Prashanth H S **"GALACTICAL IMAGE DETECTION AND IDENTIFICATION – A SURVEY REPORT International Journal OF Creative Research Thoughts (IJCRT)"** Volume:11 Issue:11 November -2023 ISSN:2320-2882 Impact Factor value:7.97 UGC approved journal no:49023 (18) Paper Id:IJCRT2311613 Registration id:247004 Page No:f212-f222
34. Mr.Somasekhar T **"Safeguarding Connections: Machine Learning Powered Intrusion Detection International Journal for Research in Applied Science and Engineering Technology (IJRASET)"** Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56689 Page No:1113-1116.
35. Mrs.Pallavi R **"A survey on Yoga Posture Correction International Journal for Research in Applied Science and Engineering Technology (IJRASET)"** Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56700 Page No:1333-1335
36. Mr.Harshavardhan J R **"Vitamin Deficiency Detection Using Image Processing International Journal for Research in Applied Science and Engineering Technology (IJRASET)"** Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56822 Page No:1499- 1503
37. Mr.Krishna Gudi **"A Comprehensive Review of ECG-Based sleep Apnea Detection International Journal for Research in Applied Science and Engineering Technology (IJRASET)"** Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56895 Page No:1650-1655
38. Mr.Kumar K **"Intuitive Perception – Speech Recognition using Machine Learning"** International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56672 Page No:1036-1041.



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39. Mr.Prashanth H S **"Prime-Grade Assessment of Tomato Fruit"** International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56725 Page No:1451-1454
40. Dr.Sunita Chalageri **"Online Smart Voting System Using Biometric Facial and Fingerprint"** Journal of Xidian University(JXU) Volume:17 Issue:11, 2023 ISSN No: 1001-2400 Impact Factor value: 5.4 DOI:10.37896/jxu17.11/068 ISO: 1001-2400 Certificate Id:JXUR9713 Page No:773-779 Scopus Journal
41. Mrs.Pallavi R **"A Survey on : Legal Chain Vault Using Blockchain"** International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56911 Page No:1973-1977
42. Dr.Kusuma T **"Survey on Multi-Model Medical Image Fusion"** International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56694 Page No:1126- 113.
43. Mrs.Shruthi T S **"A Survey on Blockchain Based Solution for Agriculture Supply Chain Management"** International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 IC Value : 45.98 ISRA Journal Impact Factor value: 7.894 DOI:10.22214/IJRASET.2023.56675 Page No:1051-1056
44. Mr.Krishna Gudi **"A Smart Device with Hand Gesture using Webcam"** International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56691 Page No:1117-1121
45. Mrs.Pallavi K N **"Contextual AI Transformer: A New Chapter in Higher Education"** International Advanced Research Journal in Science, Engineering and Technology (IARJSET) Volume: 10 Issue: 10|October 2023 ISSN (O): 2393-8021 ISSN (P):2394-1588 Impact Factor value: 8.066 DOI:10.17148/IARJSET.2023.101013 Paper ID:IJRASET51768 Page No:91-94
46. Mrs.Kavya M S **"Edge Computing: Fundamental Principles, Comprehensive Review and Future Directions"** HTL Journals, ISSN No: 1006-6748, Impact Factor: 2.7, Peer Review, International Journal, Vol 30, Issue 3, March – 2024.
47. Mrs.G Ramanjinamma **"A Survey on Campus Companion"** International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56658 Page No:1019-1021
48. Mr.Somasekhar T **"Survey on Air Pollution in India: Insights, Predictions, and Mixed Gas Analysis for an Improved Future"** International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56770 Page No:1420-1426.
49. Mr.Sanjay Das **"Augmented Reality Applications In Education : A Comprehensive Review"** International Advanced Research Journal in Science, Engineering and Technology (IARJSET) Volume: 10 Issue: 10|October 2023 ISSN (O): 2393-8021 ISSN (P):2394-1588 Impact Factor value: 8.066 DOI:10.17148/IARJSET.2023.101013 Paper ID:IJRASET51768 Page No:112-116
50. Dr. R Senkamalavalli **"Restoration of Obscured Images"** International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56682 Page No:1107-1111.



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51. Mrs. Swapna Subash Banasode **“Cyber Bullying”** International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56676 Page No:1057-1060
52. Mr.Raghavendrachar S **“E-Learning Management System with AI assistance”** International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56730 Page No:1234-1238
53. Mrs.Rashmi H **“Sign Explainer: AI –Enabled Sign Language Recognition”** International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56708
54. Mr.Abhilash L Bhat **“CNN Based Facial Recognition with Age Invariance”** International Journal for Research in Applied Science and Engineering Technology (IJRASET) Volume:11 Issue: 11, November 2023 ISSN :2321-9653 SJ Impact Factor value: 7.538 ISRA Journal Impact Factor value: 7.894 IC Value : 45.98 DOI:10.22214/IJRASET.2023.56680 Page No:1061-1065

ACHIEVEMENTS BY FACULTY

SESSION CHAIR

1. Dr. Rekha B Venkatapur, Invited as Session Chair for **“National Conference on Digital Technology & Engineering”** at RVITM, Bangalore on 2nd May and 3rd May 2024.
2. Dr. Rekha B Venkatapur, Invited as Session Chair for **“IEEE Conference on Contemporary Computing and Communication (InC4)”** at Christ, Bangalore on 15th March and 16th March 2024.

PAPER REVIEWER

1. Dr. Rekha B Venkatapur Reviewer for **“5th International Conference on Cognitive Computing and Information Processing”** at JSSATE, Mysuru from 15th December to 16th December 2023.
2. Dr. H S Prasantha, Reviewer for **“International Conference on Distributed Computing and Optimization Techniques (ICDCOT – 2024)”** at SJBIT, Bengaluru from 15th March to 16th March 2024.
3. Dr. H S Prasantha, Reviewer for **“2nd International Conference on Integrated Circuits and Communication Systems (ICICACS – 2024)”** at Sir MVCE, Raichur from 23rd February to 27th February 2024.
4. Dr. H S Prasantha, Reviewer for **“IEEE International Conference for Women in Innovation, Technology and Entrepreneurship (ICWITE – 2024)”** at IEEE Women in Engineering Affinity Group, Bangalore Section from 16th February to 17th February 2024.



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5. Dr. H S Prasanth, Reviewer for **"First IEEE International Conference on Integrated Intelligence and Communication Systems (ICIICS- 2023)"** at Sharnbasva University, Kalaburagi from 24th November to 25th November 2023.
6. Dr. H S Prasanth, Reviewer for **"IEEE NKCon – 2023"** at KLE Technological University from 19th November to 20th November 2023.
7. Dr. H S Prasanth, Reviewer for **"International Conference on Evolutionary Algorithms and Sof Computing Techniques (EASCT – 2023)"** at RVITM Mysuru from 20th October to 21st October 2023.
8. Dr. H S Prasanth, Reviewer for **"IEEE INDISCON – 2023"** at GSSS Institute of Engineering & Technology for Women from 5th August to 7th August 2023.
9. Dr. Deepa S R Reviewer for **"5th International Conference on Cognitive Computing and Information Processing"** at JSSATE, Mysuru from 15th December to 16th December 2023.
10. Dr. Kusuma T Reviewer for **"International Conference on Recent Advances in Science and Engineering Technology (ICRASET- 2023)"** at BGSIT, Mandya from 23rd November to 24th November 2023.
11. Dr. Sunitha Chalageri, Reviewer for **"International Conference on Distributed Computing and Optimization Techniques (ICDCOT – 2024)"** at SJBIT, Bengaluru from 15th March to 16th March 2024.
12. Dr. Sunitha Chalageri, Reviewer for **"IEEE Mysurucon 2023 – The 3rd Edition of the Flagship International Conference Series of IEEE Mysore Subsection"** at Malnad College of Engineering, Hassan from 1st December to 2nd December 2023.
13. Dr. Vijayalaxmi Mekali, Article Reviewer for **"IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON)"** at NITTE, Bengaluru from 1st September to 2nd September 2023.

MENTOR

1. Dr. H S Prasanth was a Mentor at **" Professional Mentoring Program for young Faculty Members"** organized by IEEE India Council Industry Academia Young Professional Sub-Committee from 1st October 2023 to 31st December 2023.
2. Dr.PrashanthaHS mentored **"ME-UYRProgram"** held Online on 18th September 2023.
3. Dr.PrashanthaHS mentored **"IEEE India Council"** held Online from 01-10-2023 to 30-11-2023.
4. Dr. H S Prasanth was a Mentor at Hackathon **"CodXPress"** organized by IEEE Bangalore Section from 29-04-2023 to 30-04-2023.

PATENTS BY FACULTY

1. Dr. H S Prasanth, Title of Invention **"An Approach for Segmenting Hyperspectral Images Using Supervised Classifiers Techniques"**, Patent Office Government of India, applied on 21st December 2023 with IPR No. 202341087784A.
2. Dr.HS Prasanth, Title of Invention **"Performance Analysis of Soft Computing Approaches for Hyperspectral Image Classification"**, Patent Office Government of India, applied on 21st December 2023 with IPR No. 202341087783A.



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3. Dr. Sunita Chalageri, Title of Invention "Artificial Intelligence Based Smart Level Crossings Systems to Detect Dangerous Situations in Level Crossing Environments in Both Road and Railway Safety using Video Surveillance System and Deep Learning Algorithms", Patent Office Government of India, applied on 21st October 2023 with IPR No. 202341072105A.
4. Dr. HS Prasanth, Title of Invention "Agricultural Drone for Crop Health Monitoring", International UK Design Patent, applied on 21st August 2023 with IPR No. 202341075847A.
5. Dr. HS Prasanth, Title of Invention "Design and Performance Analysis of novel Approach for Image Compression using Modified Singula Value Decomposition", Patent Office Government of India, applied on 11th July 2023 with IPR No. 6302803.
6. Dr. HS Prasanth, Title of Invention "A Novel Analysis Approach for Image Scaling using Interpolation Techniques Compared with Nearest Neighbor and Bilinear Interpolation Methods", Patent Office Government of India, applied on 11th July 2023 with IPR No. 202341075847A.
7. Mr. Krishna Gudi, Title of Invention "SIGMAKGSOFT - A Six Sigma-Integrated Software Development Methodology", Patent Office Government of India, applied on 9th March 2023 with IPR No. 202341059028.
8. Mr. Krishna Gudi, Title of Invention "An AI-Enhanced Requirements Engineering System", Patent Office Government of India, applied on 9th March 2023 with IPR No. 202341059029.
9. Mr. Krishna Gudi, Title of Invention "An AI-Enhanced Software Development System", Patent Office Government of India, applied on 9th March 2023 with IPR No. 202341059030.

PUBLICATIONS BY STUDENTS

1. Najeeb Muthaheed Arin Ul Haq, R Kushal Sai, Rakshith C Mahaladkar, Talib Mukhtar Choda and Mrs. Kavya M S "CELESTICAL IMAGE RECOGNITION ACROSS GALAXIES" Journal of Xidian University (JXU), Volume:18 Issue: 4, 2024, ISSN :1001-2400 , Impact Factor value: 5.4, Certificate ID: JXU-R10579, Page No: 1204-1209.
2. Moniesh S, Monika N, Pavithra R, Sindhura H, Mr. Somasekhara T "PREDICTING NETWORK SECURITY USING MACHINE LEARNING", Journal of Xidian University (JXU), Volume:18, Issue: 4, 2024, ISSN :1001-2400, Impact Factor value: 5.4, Certificate ID: JXU-R10650, Page No: 1718-1725.
3. Divakar M, Pavan Kumar S, Prajwal Naik U, Mohammed Taha, Mrs. Kavya M S "AquaLink: The Next-Gen Hydration Solution", Journal of Xidian University (JXU), Volume:18, Issue: 5, 2024, ISSN :1001-2400, Impact Factor value: 5.4, Certificate ID: JXU-R10786, Page No: 678-684.
4. Parvashree H M, Poonam, Srishti Srivastava, Sushma Srikantha, Kurandwad, Mrs. Suma Rajesh "MUSIC RECOMMENDATION SYSTEM BASED ON EMOTION DETECTION", Journal of Xidian University (JXU), Volume:18, Issue: 5, 2024, ISSN :1001-2400, Impact Factor value: 5.4, Certificate ID: JXU-R10662, Page No: 21-27.
5. Pavan M, Pavan P, Shravya M R, Vikas Kashyap, Mr. Roopesh Kumar B N "YOGA POSTURE ESTIMATION & CORRECTION", Journal of Xidian University (JXU), Volume:18, Issue: 4, 2024, ISSN :1001-2400, Impact Factor value: 5.4, Certificate ID: JXU-R10578, Page No: 1330-1336.
6. Vaishnavi M, K R Sahana, Sneha A S, Sanjana G, Mr. Harshavardhan J R "Vitamin B&C



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- Deficiency Detection and Recommendation system”, Journal of Xidian University (JXU), Volume:18, Issue: 5, 2024, ISSN :1001-2400, Impact Factor value: 5.4, Certificate ID:JXU-R10684, Page No:423-428.
7. Narasimha N, Pradhyumna K, Saahil D, Trupthi G B, Mr.Krishna Gudi “IMPLEMENTING ECG-BASED DETECTION FOR SLEEP APNEA”, Journal of Xidian University (JXU), Volume:18, Issue: 4, 2024, ISSN :1001-2400, Impact Factor value: 5.4, Certificate ID:JXU-R10476, Page No:463-473.
 8. Sanket Ganapati Hegde, Shashikanth N G, Vishal N Korabu, VummaneniCharan, Mr.Kumar K “Unlocking Speech: Machine Learning for Intuitive Voice Recognition”, Journal of Xidian University (JXU), Volume:18, Issue: 4, 2024, ISSN :1001-2400, Impact Factor value: 5.4, Certificate ID:JXU-R10661, Page No:1726-1731.
 9. Namratha R, Nirmitha N, Thanusha K, Ravivamshi D N, Mr.Prashanth H S “Tomato Varietal Classification and disease Diagnosis”, Journal of Xidian University (JXU), Volume:18, Issue: 4, 2024, ISSN :1001-2400, Impact Factor value: 5.4, Certificate ID:JXU-R10648, Page No:1638-1643.
 10. Ashrit Madhav Vadiraj, Deepak S, Ajay Girish, Saksham Singh, Mr.Prashanth H S “Smart Unusual Event Detection Using Low Resolution Camera for Enhanced Security”, Journal of Xidian University (JXU), Volume:18, Issue: 4, 2024, ISSN :1001-2400, Certificate ID:JXU-R10347.
 11. Ananya Patil, Jahnvi P, Jnanesh A S, Kushal K, Mr.Raghavendrachar S “Pancreatic Tumor Diagnosis: Integrating ML Techniques with CT Imaging and Computational Analysis”, Journal of Xidian University (JXU), Volume:18, Issue: 4, 2024, ISSN :1001-2400, Certificate ID:JXU-R10597, Page No:1441-1452.
 12. Anirudha K K, Dhanush Y, Dhanvin C Bhargav, H A Sankeerthan, Mr.Roopesh Kumar B N “AUTOMATED DASHBOARD FOR AWS SERVICES MONITORING AND PLACEMENT DATA”, Journal of Xidian University (JXU), Volume:18, Issue: 4, 2024, ISSN :1001-2400, Certificate ID:JXU-R10656, Page No:1697-1702.
 13. N Keerthana, Sahana R, Shilpa M, Vanadana N, Mr.Kumar K ” Detecting Sugarcane diseases with Deep learning”, International Conference On Computer Science & Technology Allies in Research (ICCSTAR), Volume:11, Issue: 11, November 2023, P-ISBN :978-93-5842-978-7, Page No:57-62.
 14. Rakshitha P, S Sai Shankari, Vandana N, Y Jhansi, Mr.Roopesh Kumar B N “Deep Vision for Automated Quality Assessment and Adulteration Detection of Rice Grains”, Journal of Xidian University (JXU), Volume:18, Issue: 4, 2024, ISSN :1001-2400, Certificate ID:JXU-R10508, Page No:714-728.
 15. Dhanya, Sharanya Shree R, Ganashree G M, Ganashree K, Dr.Rekha B Venkatapur “Cyber Sentry: A Chatbot Solution for Trackling Cybercrime”, Journal of Xidian University (JXU), Volume:18, Issue: 4, 2024, ISSN :1001-2400, Certificate ID:JXU-R10566, Page No:1172-1180.
 16. Nuthanapati Devitha, Raghavi C S, Shshwatha H M, Spoorthy N, Mr.Laxmikantha K “Alzheimer’s Disease Stage Detection using MRI Images for early diagnosis”, Journal of Xidian University (JXU), Volume:18, Issue: 5, 2024, ISSN :1001-2400, Certificate ID:JXU-R10635, Page No:76-89.
 17. Honoksharathna B, Hrithika S, Parvathy P S, Vibhav Kaushik V, Dr.Sunita Chalageri “BALLOT BREEZE”, Volume:17, Issue:11, 2023, ISSN :1001-2400, Certificate Id:JXU-R10601, Page No:1407-1416.
 18. Aaqib Bashir, Ankita Choudhary, Goel Ananya Devendra, Manish Pikhan, Mrs.Pallavi K N “BLOCKCHAIN WALLET FOR LEGAL RECORDS”, Journal of Xidian University (JXU), Volume:18, Issue: 4, 2024, ISSN :1001-2400, Certificate ID:JXU-R10490, Page No:599-606.
 19. Archit Ganapati Avadhani, Basavesh V L, Bhuvan N Gowda, H A Trishala, Dr.Kusuma T



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- "Integrative Brain Imaging: Multi-Modal fusion for Enhanced Analysis", Journal of Xidian University (JXU), Volume:18, Issue: 4, 2024, ISSN :1001-2400, Certificate ID:JXU-R10598, Page No:1473-1477.
20. Chethan S, Darshan M S, M Santhosh Kumar M Hampanna, Mrs.Shruthi T S "A Survey on Blockchain Based Solution for Agriculture Supply Chain Management", Journal of Xidian University (JXU), Volume:18, Issue: 4, 2024, ISSN :1001-2400, Certificate ID:JXU-R10548, Page No:1128-1133.
21. Bhumika Mahadevappa Umachagi, Edimudi Abhinaya, Guru Kashyap N S, Guru Kiran S, Mr.Krishna Gudi "Virtual Mouse Using Hand Gesture Recognition", Journal of Xidian University (JXU), Volume:18, Issue: 4, 2024, ISSN :1001-2400, Certificate ID:JXU-R10620, Page No:1483-1492.
22. Chaitra R, Jeevan, Kavitha R, Kavya R, Mrs.Pallavi K N "AI –Enhanced Education: Integrating ChatGPT and Image Generation for Dynamic Learning Experiences", Journal of Xidian University (JXU), Volume:18, Issue: 4, 2024, ISSN :1001-2400, Certificate ID:JXU-R10443, Page No:252-258.
23. Anushree G M, Mandara K S, Manisha G N, Pavithra A S, Mr.Abhilash L Bhat "IntelliCampus", Journal of Xidian University (JXU), Volume:18, Issue: 4, 2024, ISSN :1001-2400, Certificate ID:JXU-R10608, Page No:1463-1472.
24. Brunda B, Divya V Chikkamath, Gagana C L Naik, Gagana R, Mr.Somasekhar T "Insight into Air Quality and Mixed Gas Analysis : A Machine Learning and Visualization Approach", Journal of Xidian University (JXU), Volume:18, Issue: 4, 2024, ISSN :1001-2400, Certificate ID:JXU-R10716, Page No:328-339.
25. Anupriya C, Apeksha M, G Sanjana Raju, Harhitha B R, Ms.Namyapriya D "Savoring Success : Enhancing Restaurant Recommendations with Videos", High Technology Letters, Volume:30, Issue: 4, 2024, ISSN :1006-6748, Certificate ID:HTL/9025, ISO:7021-2008, Page No:798-804.
26. Sanjeev Kulakarni, Suhas R, Vaishnavi S Sharma, Vidhya J, Mrs.Rashmi H "Exploring the Revolution of Learning through Augmented Reality", Journal of Xidian University (JXU), Volume:18, Issue: 5, 2024, ISSN :1001-2400, Certificate ID:JXU-R10725, Page No:373-381.
27. A Akash, B Jaidev, Girish G, Jonna Dileep, Mr.Raghavendrachar S "Image Text to Speech Translator in Specified Language", Journal of Xidian University (JXU), Volume:18, Issue: 4, 2024, ISSN :1001-2400, Certificate ID:JXU-R10610, Page No:1431-1440.
28. Pavan C, Sameer Kulkarni, Sudeep D M, Tahreem Imad Pasha, Dr. R Senkamalavalli "Enhancement and Restoration of Underwater Images", Journal of Xidian University (JXU), Volume:18, Issue: 5, 2024, ISSN :1001-2400, Certificate ID:JXU-R10726, Page No:382-388.
29. Nidhi K V, Sabhareesh Balaji P, Tanvi Kamath, Tushar S, Mrs.Swapna Subash Banasode "SPOTTING ONLINE BULLYING BEHAVIOR", Journal of Xidian University (JXU), Volume:18, Issue: 4, 2024, ISSN :1001-2400, Certificate ID:JXU-R10496, Page No:940-948.
30. Anand V S, Anushree H, Manjunath R, Mr.Raghavendrachar S "AI-enhanced learning management system", Journal of Xidian University (JXU), Volume:18, Issue: 4, 2024, ISSN :1001-2400, Certificate ID:JXU-R10473, Page No:518-524.
31. Tejswini, Monica C S, Neha Reddy S, S Poornachandra, Mrs.Rashmi H "Automatic Dance Pose Estimation from the Hand Signs using Deep Learning", Journal of Xidian University (JXU), Volume:18, Issue: 5, 2024, ISSN :1001-2400, Certificate ID:JXU-R10772, Page No:660-672
32. N Nithesh Kumar, Y Poojitha, Siripi Reddy Thulasi, V Aravind, Mr.Abhilash L Bhat "Robust Face Recognition Across Ages with MTCNN", Journal of Xidian University (JXU), Volume:18, Issue: 4, 2024, ISSN :1001-2400, Certificate ID:JXU-R10628, Page No:1503-1509



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ACHIEVEMENTS BY STUDENTS

1. Team Aakriti, Indrajit, Tanushree, Ashika H N, Thriveni U, Kavyashree S L, Varsha Bai R, Runners Up of the event **"The Coding Rangers"** organized by TNS India Foundation on the occasion of The National Youth Day' on 12th Jan 2023.
2. Gagan Shivanna, Aditya V, Chaitra M, Arjun Bharadwaj, Suman BS and Karthik H N under the guidance of Mr. Roopesh Kumar B N and Mr. Krishna Gudi, Winners of the event **"Smart India Hackathon, 2023"** organized by Ministry of Education, MoE's Innovation Cell, AICTE, MHIRD on 19th and 20th December 2023.
3. TNS India Foundation conducted Tech Competition 'The Coding Rangers' Conducted on the occasion of 'The National Youth Day' on 12th Jan 2023 – Runner up Prize won by KSIT CSE Team Aakriti-1KS19CS001 Indrajit-1KS19CS036, Anushree –1KS19CS101, Ashika H N–1KS19CS016 , Thriveni U–1KS19CS107, Kavyashree S L–1KS19CS042, Varsha Bai R–1KS19CS110.

FUNDED PROJECTS

1. The project titled "Tamper-Proof Air Quality Management System" carried out by final year students Ms. Ashwini J, Ms. Kruthika S Vasisht, Ms. Nikitha M and Ms. Srividya H R under the guidance of Dr. Vaneeta M was selected for KSCST of Rs. 2500.

100% RESULTS

Sl. No	SUBJECT CODE	SUBJECT	STAFF NAME
1	21CS52	COMPUTER NETWORKS	DR. REKHA B VENKATAPUR
2	18CS822	STORAGE AREA NETWORKS	DR. REKHA B VENKATAPUR
3	21CS51	AUTOMATA THEORY AND COMPILER DESIGN	DR. SUNITHA CHALAGERI
4	BCS302	DIGITAL DESIGN AND COMPUTER ORGANIZATION	MR. ROOPESH KUMAR B N
5	21CS53	DATABASE MANAGEMENT SYSTEM	MR. SOMASHEKAR T
6	21RMI56	RESEARCH METHODOLOGY AND INTELLECTUAL PROPERTY RIGHTS	MR. LAKSHMIKANTH K
7	BCS304	DATA STRUCTURES AND APPLICATION	MR. ABILASH L BHAT
8	18CS81	INTERNET OF THINGS	MR. ABILASH L BHAT
9	18CS71	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	MRS, SHRITHI T S



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10	18CS81	INTERNET OF THINGS	SUMA RAJESH
11	18ME751	ENERGY AND ENVIRONMENT	DR. NAGAPRASAD KS
12	18ME751	ENERGY AND ENVIRONMENT	MR. HARISH U
13	BBOK407	BIOLOGY FOR ENGINEERS	DR. SHOBHA G
14	21ME652	RENEWABLE ENERGY POWER PLANTS	DR. SRINIDHI ACHARYA S R
15	21CS63	COMPUTER GRAPHICS AND FUNDAMENTALS OF IMAGE PROCESSING	MRS. ROOPASHREE S V



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

EVENTS CONDUCTED:

1. The Department of Electronics and Communication Engineering organized "SPS Day "by Mr.Harish Venugopal,Senior Program Manager,Car Audio Solutions,Harman International in association with IEEE-KSIT,WIE,SPS on 2nd June 2023.



2. The Department of Electronics and Communication Engineering organized " NISVARTH - 2023(5K Marathon)" by Dr.Dilip Kumar K,Principal/Director,Dr.P.N.Sudha,HOD-ECE in association with IEEE-KSIT,WIE,SPS on 17th June 2023.



3. The Department of Electronics and Communication Engineering organized " Drug Awareness Program" by Sri.Siddaraju,Inspector Dept. Of Police, Thalaghattapura in association with KSIT-ASH,NSS on 26th June 2023.



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4. The Department of Electronics and Communication Engineering organized “5k Marathon” in association with KSIT-IEEE on 19th June 2023



5. The Department of Electronics and Communication Engineering organized “Valedictory” in association with KSIT-IEEE SB on 2nd June 2023



6. The Department of Electronics and Communication Engineering organized “SPS day” by Mr Harish Venu Gopal in association with KSIT-IEEE on 2nd June 2023



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7. The Department of Electronics and Communication Engineering organized “Orphanage Visit” by Sampattu in association with KSIT- IEEE SB on 1st June 2023



8. The Department of Electronics and Communication Engineering organized “Hacking Hardware” by Amsumanth and Gurushankara in association with Garut Club KSIT-IEEE on 21st -2nd July 2023



9. The Department of Electronics and Communication Engineering organized “FDP- technical learning OBE” by Dr K Gopalakrishnan ,Principal, Jyothy IT, Bengaluru, Joy Prabhakar ,consultant, Dr Dilip Kumar, Principal, KSIT,Dr.Krishnamurti,Professor,IISC,Retd.,Dr.BhaskarS,Prof,KCT,Dr.Manjunath,Prof, CMRU, Dr.K V A Balaji, CEO ,KSGI , Dr.Shekhar H.S, Prof, KSSEM, Dr.Uma, Prof ,RNSIT, Dr.Swamy, Prof.KSSEM, Dr.Indiramma, Prof,BMSCE, Dr.Anandi,Prof,New Horizon, Dr.Jayagowri,Prof,BMSCE in association with KSIT IEEE SB,ISTE,IETE,IEI on 21st -27th September 2023



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10. The Department of Electronics and Communication Engineering organized “Medical Tacktail” by Examiners from Cytecure Cancer Hospital in collaboration with Oracle Volunteer in association with IEEE-WIE,ASH,IIC,NSS on 1st August 2023



11. The Department of Electronics and Communication Engineering organized “IEEE Day 2023” is associated with KSIT-IEEE SB on 4th November 2023



12. The Department of Electronics and Communication Engineering organized “hobby project exhibition” on 2nd September 2023

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13. The Department of Electronics and Communication Engineering organized “Innovation and Design Thinking” by Dr. Mahabhaleshwara Bhat in association with IETE on 22nd July 2023



14. The Department of Electronics and Communication Engineering organized “One month Internship on fundamentals of Embedded Systems” by Mr.Saleem S Tevaramani in association with Antariksh Club on 14th August 2023 to 14th September 2023.



15. The Department of Electronics and Communication Engineering organized “Unlock your Global Potential-Study Abroad” by Mr.Kiran,MD,Edumirchi in association with KSIT IEEE SB,ISTE,IETE,IEI on 16th November 2023.

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16. The Department of Electronics and Communication Engineering organized “INNOVACEEEA” in association with KSIT IEEE SB on 9th December 2023



EVENTS ATTENDED BY FACULTY:

1. Mr. Saleem S Tevaramani, Assistant Professor participated in a 5 days faculty development program on “Exploring the Scope of Engineering Mathematics in Control Systems and Signal Processing” organized by Vellore Institute of Technology Chennai from 12th June to 16th June 2023.
2. Mr. Saleem S Tevaramani, Assistant Professor participated in a 5 days faculty development program on “Exploring the Scope of Engineering Mathematics in Control Systems and Signal Processing” organized by Vellore Institute of Technology Chennai from 12th June to 16th June 2023.
3. Mr. Saleem S Tevaramani, Assistant Professor participated in a 3 days faculty development program on “Advanced Semiconducting Materials and Devices : A roadMap on Fabrication and Characterization” organized by Vellore Institute of Technology Chennai from 18th June to 20th June 2023.
4. Dr.Rekha N, Associate Professor participated in a 5 days faculty development program on “IP Incubation and Startups” organized by K S Institute of Technology from 3rd August to 8th August 2023.
5. Mrs.Sangeetha V , Assistant Professor participated in a 4 weeks faculty development program on “Stress Management” organized by IIT Madras from August to September 2023.
6. Mr.Saleem S Tevaramani , Assistant Professor participated in a 5 days faculty development program on “IP Incubation and Startups” organized by K S Institute of Technology from 3rd August to 8th August 2023.



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7. Mrs.Bhanumathi A , Assistant Professor participated in a 5 days faculty development program on “IP Incubation and Startups” organized by K S Institute of Technology from 3rd August to 8th August 2023.
8. Mrs.Kavya M , Assistant Professor participated in a 5 days faculty development program on “IP Incubation and Startups” organized by K S Institute of Technology from 3rd August to 8th August 2023.
9. Mr.Saleem S Tevaramani , Assistant Professor participated in a 5 days faculty development program on “AI for Building Speech and Vision Applications Using Python” organized by Galgotias College of Engineering and Technology,Gr.Noida from 21st August to 28th August 2023.
10. Mr.Saleem S Tevaramani , Assistant Professor participated in a 2 days faculty development program on “Introduction to Embedded Systems and Robotics” organized by Jyothi Institute of Technology from 8th September to 9th September 2023.
11. Mr.Saleem S Tevaramani , Assistant Professor participated in a 7 days faculty development program on “Research Ethics in Higher Education” organized by Rani Anna Government College for Women,Tirunelveli & Globethics ,South Asia Centre, Bangalore from 18th September to 25th September 2023.
12. Mr.Saleem S Tevaramani , Assistant Professor participated in a 5 days faculty development program on “Research Innovations and Implementation Methods” organized by IMS Engineering College,Ghaziabad from 16th October to 20th October 2023.
13. Mr.Saleem S Tevaramani , Assistant Professor participated in a 3 days faculty development program on “The Role of AI and ML in 6G Wireless Networks” organized by VIT Vellore,Tamilnadu from 25th October to 27th October 2023.
14. Mr.Saleem S Tevaramani , Assistant Professor participated in a 3 days faculty development program on “Best Practices Benchmarking in HEI’s for Quality Enhancement” organized by Guru Shree Shantivijai Jain College for Women,Chennai from 26th October to 31st October 2023.
15. Dr.Rekha N, Associate Professor participated in a 6 days faculty development program on “Teaching, Learning & OBE concepts ” organized by K S Institute of Technology from 21st September to 27th September 2023
16. Dr.Rekha N, Associate Professor participated in a 6 days faculty development program on “Teaching, Learning & OBE concepts ” organized by K S Institute of Technology from 21st September to 27th September 2023.
17. Dr.Devika B, Associate Professor participated in a 6 days faculty development program on “Teaching, Learning & OBE concepts ” organized by K S Institute of Technology from 21st September to 27th September 2023.
18. Mrs.Sangeetha V , Assistant Professor participated in a 6 days faculty development program on “Teaching, Learning & OBE concepts ” organized by K S Institute of Technology from 21st September to 27th September 2023.
19. Mrs.Bhargavi Ananth, Assistant Professor participated in a 6 days faculty development program on “Teaching, Learning & OBE concepts ” organized by K S Institute of Technology from 21st September to 27th September 2023.
20. Mrs.Bhanumathi A , Assistant Professor participated in a 6 days faculty development program on “Teaching, Learning & OBE concepts ” organized by K S Institute of Technology from 21st September to 27th September 2023.
21. Mrs.Kavya M , Assistant Professor participated in a 6 days faculty development program on “Teaching, Learning & OBE concepts ” organized by K S Institute of Technology from 21st September to 27th September 2023.



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22. Mrs.Anita P , Assistant Professor participated in a 6 days faculty development program on “Teaching, Learning & OBE concepts ” organized by K S Institute of Technology from 21st September to 27th September 2023.
23. Ms.Amrutha R , Assistant Professor participated in a 6 days faculty development program on “Teaching, Learning & OBE concepts ” organized by K S Institute of Technology from 21st September to 27th September 2023.

BOOK CHAPTER PUBLICATIONS

1. Dr. Surekha Borra , Mr. Sunil Kumar G.R, published “In-Theatre Real Time Piracy Detection and Discouraging System” Design Studies and Intelligence Engineering , Frontiers in Artificial Intelligence and Applications Series, Vol. 365, pp.220-229,2023. [ISBN:978-1-64368-372-0].
2. Dr. Surekha Borra, Published “Detection and Classification of Leukocytes in Blood Smear Images: State of the Art and Challenges” Research Anthology on Improving Medical Imaging Techniques for Analysis and Intervention, Chapter 57, pp. 1099-1130, 2023, [EISBN13: 9781668475454].
3. Dr. Rekha N, Published “Computer Vision Based Home Automation” Recent Trends in Computational Sciences, First Edition, CRC Press, Taylor & Francis group, London, pp.51-56, November 2023.[ISBN: 9781032426853]

PUBLICATIONS IN INTERNATIONAL JOURNALS:

1. Dr. P.N Sudha, “Development of renewable energy system for low power underwater devices”, Indonesian Journal of Electrical Engineering and Computer Science Vol. 31, No. 1, pp. 68-76 , July 2023. [ISSN: 2502-4752]
2. Dr. Rekha N, “Reinforcing Optimization enabled Interactive Approach for Liver Tumor Extraction in CT Images”, International Journal of Electrical and Computer Engineering (IJECE), Vol.13, No.4, pp.4076-4086, August 2023. [ISSN 2088-8708]
3. Mr. Saleem S Tevaramani “Arnold Transform-Lifting Wavelet Transform and Singular Value Decomposition Based Alpha Blending Image Steganography for Secure Communication” International Journal of Intelligent Systems and Applications in Engineering, Vol.12, No.1, pp.536-542 October 2023.[ISSN: 2147-6799]
4. Dr. Surekha Borra “Challenges of Deep Learning in Medical Image Analysis—Improving Explainability and Trust” IEEE Transactions on Technology and Society, vol. 4, no. 1, pp. 68-75, March 2023.
5. Dr. Surekha Borra “CLAHE Enhanced Hybrid Feature Descriptors for Classification of Acute Lymphoblastic Leukemia in Blood Smear Images” International Journal of Biomedical Engineering and Technology, Vol. 43, No.4, pp. 309-328, 2023. [ISSN: 1752-6426]

ACHIEVEMENTS BY FACULTY:

1. Dr.P.N. Sudha, Professor, HOD-ECE, Reviewer in IEEE International Conference on applied Intelligence and Sustainable Computing at SDM College of Engineering and Technology, Dharwad from 16th June to 17th June 2023.
2. Dr. Rekha N is recognized as Reviewer for VSPICE 2023 an International conference on “VLSI, SIGNAL PROCESSING, POWER ELECTRONICS, IOT, COMMUNICATION
3. Mr. Saleem S Tevaramani, Assistant Professor, as a Reviewer in ICAISC-2023 at SDMCE, Dharwad from 16th June 2023 to 17th June 2023.



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4. Mr. Saleem S Tevaramani, Assistant Professor, as a Reviewer in Reviewer IEEE International conference on data science networks Kalpataru Institute of Technology, Tiptur from 28th July 2023 to 29th July 2023.

ACHIEVEMENTS BY STUDENTS:

1. Sachin N.M Participated and received Certificate of Appreciation Organized by Red Cross Society on 7th August 2023.
2. Uday C.H Participated and received Certificate of Appreciation Organized by Red Cross Society on 7th August 2023.
3. Uday C.H Participated in Matrix Organized by IEEE on 19th April 2023 to 23rd April 2023.
4. Uday C.H Participated in NISVAARTH-2023 KSGI 5K Marathon Organized by Dept. of ECE, KSIT on 17th June 2023.
5. Kumar K G Participated in NISVAARTH-2023 KSGI 5K Marathon Organized by Dept. of ECE, KSIT on 17th June 2023.
6. K.M Amshumanth Participated in NISVAARTH-2023 KSGI 5K Marathon Organized by Dept. of ECE, KSIT on 17th June 2023.
7. Kumar K G Participated in NSS-Abhyudaya 2023 Organized by KSIT on 22nd June 2023 to 28th June 2023.
8. Meghashree Participated in NSS-Abhyudaya 2023 Organized by KSIT on 22nd June 2023 to 28th June 2023.
9. Suraksha N Participated in NSS-Abhyudaya 2023 Organized by KSIT on 22nd June 2023 to 28th June 2023.
10. Sonika R Participated in NSS-Abhyudaya 2023 Organized by KSIT on 22nd June 2023 to 28th June 2023.
11. K.M Amshumanth Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE, KSIT on 30th June 2023 and won First Prize.
12. Suraksha N Participated and received Certificate of Appreciation Organized by Red Cross Society on 7th August 2023.
13. Rakshitha A Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE, KSIT on 30th June 2023 and won Second Prize.
14. Chaya S Participated in NISVAARTH-2023 KSGI 5K Marathon Organized by Dept. of ECE, KSIT on 17th June 2023.
15. Kiran Participated in Mini Project Exhibition-2023 Organized by DSAT&M on 7th April 2023.
16. Kumar K G Participated in Mini Project Exhibition-2023 Organized by DSAT&M on 7th April 2023.
17. Kiran V Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE, KSIT on 30th June 2023 and won First Prize.
18. Kumar K G Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE, KSIT on 30th June 2023 and won First Prize.
19. Shaik Arfath participated in NCC Annual Training Camp-2023 Organized by Commanding office jakkur, Bangalore on 2nd August to 3rd August 2023.
20. Vidya Rawal participated in NCC Annual Training Camp-2023 Organized by Commanding office jakkur, Bangalore on 2nd August to 3rd August 2023.
21. Anagha Prakash participated in NCC Annual Training Camp-2023 Organized by Commanding office jakkur, Bangalore on 2nd August to 3rd August 2023.
22. Gurushankara M participated in NCC Annual Training Camp-2023 Organized by Commanding office jakkur, Bangalore on 2nd August to 3rd August 2023.



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23. Anirudha R Bhat participated in NCC Annual Training Camp-2023 Organized by Commanding office jakkur, Bangalore on 2nd August to 3rd August 2023.
24. Meghana N Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE, KSIT on 9th February 2023 and won Third Prize.
25. Sanjana V Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE,KSIT on 9th February 2023 and won First Prize.
26. Preksha S Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE,KSIT on 9th February 2023 and won First Prize.
27. Anagha Prakash Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE,KSIT on 9th February 2023 and won Third Prize.
28. Damini S Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE,KSIT on 9th February 2023 and won First Prize.
29. Archana G.M Participated in Mini Project Exhibition-2023 Organized by Dept. of ECE,KSIT on 9th February 2023 and won Second Prize.
30. Amulya R Participated in Certificate of Merit Organized by KSIT and won First Prize on 9th September 2023.
31. Disha Shivani Participated in Certificate of Merit Organized by KSIT and won Third Prize on 9th September 2023.

32. Adithya S participated in Mini Project Exhibition at KSIT on 26/02/2024 and won First Place.
33. Prajwal P participated in Mini Project Exhibition at KSIT on 26/02/2024 and won First Place.
34. Archana S.K participated in Mini Project Exhibition at KSIT on 26/02/2024 and won First Place.
35. Ashwini P participated in Mini Project Exhibition at KSIT on 26/02/2024 and won First Place.
36. Ankita P participated in Mini Project Exhibition at KSIT on 26/02/2024 and won First Place.
37. Amrutha P participated in Mini Project Exhibition at KSIT on 26/02/2024 and won First Place.
38. Raghu H M participated in Mini Project Exhibition at KSIT on 26/02/2024 and won second Place.
39. Srujan Karanth N participated in Mini Project Exhibition at KSIT on 26/02/2024 and won second Place.
40. Vardhan Gowda K N participated in Mini Project Exhibition at KSIT on 26/02/2024 and won second Place.
41. V Likith participated in The Gentleman Burglar at Christ University from 12/02/2024 to 13/02/2024 and won Second Place.
42. Anagha Prakash participated in The Gentleman Burglar at Christ University from 12/02/2024 to 13/02/2024 and won Second Place.
43. Gurushankara M participated in The Gentleman Burglar at Christ University from 12/02/2024 to 13/02/2024 and won Second Place.
44. Archana N participated in The Gentleman Burglar at Christ University from 12/02/2024 to 13/02/2024 and won Second Place.

PATENTS:

1. Dr. Electa Alice Jayarani, Mrs. Sangeetha V, Mrs. Bhargavi Ananth filed a patent on "Agriculture Drone for Crop Health Monitoring" and it was granted on 18th December 2023.
2. Dr. Anita P filed a patent on "Portable Solar Distillation Unit" on April 2024.



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BOOK CHAPTER PUBLICATIONS:

1. **Dr. Rekha N**,Published "Computer Vision Based Home Automation" Recent Trends in Computational Sciences, First Edition, CRC Press, Taylor & Francis group, London, pp.51-56,November 2023.[ISBN: 9781032426853]

INTERNATIONAL JOURNAL PUBLICATIONS:

1. Dr. P.N Sudha,"Development of renewable energy system for low power underwater devices",Indonesian Journal of Electrical Engineering and Computer Science Vol. 31, No. 1, pp. 68-76 , July 2023. [ISSN: 2502-4752]
2. Dr. Rekha N,"Reinforcing Optimization enabled Interactive Approach for Liver Tumor Extraction in CT Images",International Journal of Electrical and Computer Engineering (IJECE), Vol.13, No.4, pp.4076-4086, August 2023. [ISSN 2088-8708]
3. Mr. Saleem S Tevaramani "Arnold Transform-Lifting Wavelet Transform and Singular Value Decomposition Based Alpha Blending Image Steganography for Secure Communication" International Journal of Intelligent Systems and Applications in Engineering, Vol.12, No.1, pp.536-542 October 2023.[ISSN: 2147-6799]
4. Dr. Surekha Borra "Challenges of Deep Learning in Medical Image Analysis—Improving Explainability and Trust" IEEE Transactions on Technology and Society, vol. 4, no. 1, pp. 68-75, March 2023.
5. Dr. Surekha Borra "CLAHE Enhanced Hybrid Feature Descriptors for Classification of Acute Lymphoblastic Leukemia in Blood Smear Images" International Journal of Biomedical Engineering and Technology, Vol. 43, No.4, pp. 309-328, 2023. [ISSN: 1752-6426]

FUNDED PROJECTS:

1. Mr.S.Christo Jain ,Assistant Professor received a fund of Rs.5000/ for the project entitled" Sign Language to Text and Vice-Versa using Embedded System" by VTU Financial Assistance for Innovative Projects of Final Year UG Students during March 2023.
2. Dr.P.N.Sudha, Professor Received a fund of Rs.5000/- for the project entitled "Smart Wheel Chair for Aged People with E-Health Monitoring System" by VTU Financial Assistance for Innovative Projects of Final Year UG Students during March 2023.
3. Dr. Rekha N, Associate Professor Received a fund of Rs.4000/- for the project entitled" Hybrid Power Grid Based On Iot "by Karnataka State Council for Science and Technology KSCST SSP-46 Series during April 2023.
4. Dr. Rekha N, Associate Professor Received a fund of Rs.3500/- for the project entitled "Virtual Pen" by Karnataka State Council for Science and Technology KSCST SSP-46 Series during April 2023.
5. Mr. Saleem S Tevaramani, Assistant Professor Received a fund of Rs.4000/- for the project entitled "E-Passport Authentication using IOT and AI" by Karnataka State Council for Science and Technology KSCST SSP-46 Series during April 2023.



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6. Mrs. Bhargavi Ananth, Assistant Professor Received a fund of Rs.4000/- for the project entitled "Non-Invasive Thyroid Detection" by Karnataka State Council for Science and Technology KSCST SSP-46 Series during April 2023
7. Mrs. Ramya K R, Associate Professor Received a fund of Rs.4000/- for the project entitled "Fire Fighting Robot" by Karnataka State Council for Science and Technology KSCST SSP-46 Series during April 2023.

Patent Publication by Faculty:

Dr.Electa Alice Jayarani,Mrs.Bhargavi Ananth field a patent on" Agriculture Drone for crop Health Monitoring; and it was granted on 18th December 2023.

100% Result with Subject:

Sl. No.	Name of the Faculty	Semester	Subject
1	Dr P N Sudha	VI	Wireless and Cellular Communication
2	Dr P N Sudha	VI	Cryptography
3	Dr Surekha Borra	VI	Energy and Environment
4	Dr Dinesh Kumar DS	VI	Computer Networks
5	Mrs Vishalini Divakar	VI	Technological Innovation Management and Entrepreneurship
6	Mr Sampath Kumar S	II	Social Connect and Responsibility
7	Mr Saleem S Teraramani	VI	Radar Engineering
8	Dr Pooja S	VI	Radar Engineering



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9	Dr Pooja S	VI	Satellite Communication
10	Dr. Sangappa S B	III	Social Connect and Responsibility (BSCK307)
11	Mrs.V.Sangeetha	V	Computer Communication Networks (21EC53)
12	Mrs.Radhika	V	Environmental Studies (21CIV57)
13	Dr.Dinesh Kumar D S	VII	Computer Networks (18EC71)
14	Dr.Saleem S Tevaramani	VII	Satellite communication(18EC732)
15	Mrs.Vishalini Divakar	VII	Energy and Environment(18ME751)
16	Mr.Praveen A	VII	VLSI Design(18EC72)



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DEPARTMENT OF MECHANICAL ENGINEERING:

EVENTS CONDUCTED

1. The Department organized the Industrial visit for II and IV sem Mechanical students & Staff Visited Bangalore Air Craft Industries Ltd, Aero Space Park, Bangalore on 7th July 2023. Total 23 number of students attended the visit.



2. Unveiling of SUGRIVA 2.0 (Team Redline Racing & SAEINDIA). The team Redline Racing consists of 27 Students from all branches designed and fabricated e-ATV so as to participate in Mega ATV Championship 2023. After testing the e-ATV, it was named as SUGRIVA 2.0 and unveiling of vehicle was done.



3. Visit to Janapadaloka (III Semester) on 21st Jan 2024
4. Skill Development programme on Solid Modelling, FEA, Using Autodesk, Fusion-360 (III Semester) on 21-23rd Feb 2024
5. Industry Driven Faculty Development Programme on " Best Practices in Industrial Safety" on 13-17th May 2024
6. 3 Days Staff Development Program on "Empowerment Through Excellence: Professional Growth For Non - Teaching Staff" on 27-29th June 2024



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7. Industrial visit of II,IV sem Mechanical students & Staff Visited “Bangalore Air Craft Industries Ltd”, Aero Space Park, Bengaluru on 7th July 2023.
- 8.
9. Industrial Visit to “Government Tool Room and Training Center”, Rajajinagar, Bengaluru on 12th October 2023.
10. Industrial Visit to “Toyota Kirloskar Auto Parts”, Bengaluru for III sem Students conducted on 28th February 2024.
11. “Final Year Project Work Exhibition” at KSIT, Mechanical Engineering Department for VIII semester students on 30th April 2024.
12. “Unveiling of SUGRIVA 2.0” at KSIT, Mechanical Engineering Department on 3rd May 2024.
13. Mega ATV Challenge 2024 (Night Endurance Race: RUNNER UP, Flat Dirt Race: RUNNER UP, Drag Race: 2nd RUNNER UP) on 8th -13th May 2024.
14. Industry Driven Faculty Development Programme on “BEST PRACTICES IN INDUSTRIAL SAFETY” on 13th - 17th May 2024.

CLUB EVENT

Emanation 2023



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EVENTS CONDUCTED BY THE FACULTY:

1. Organized seminar entitled “Innovation & Entrepreneurship” on 19th July 2023 for 4th semester AIML & ME students between 10.30AM to 12.30PM at KSIT Seminar Hall, Ground floor. **Industry expert:** Mr. Dhiraj A Rao, Managing Director, AANS Technologies, Bengaluru.



2. Organized an invited talk entitled “SALES FORCE CAREER DEVELOPMENT ROADMAP” on 5th July 2023 for 4th semester CSD students between 10.30AM to 12.30PM at KSIT Seminar Hall, Ground floor. **Industry expert:** Mr. Ravi Kumar C, Head – Innovations & Sales, Influencer Labs, Bengaluru.



3. Organized an industry visit to “BANGALORE AIRCRAFT INDUSTRIES PVT LTD, BENGALURU” on 7th July 2023 for 2nd & 4th semester ME students between 09.00AM to 04.30PM. **Industry expert:** Mr. Girish, Co-founder & Director, BAIL, Bengaluru.



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- Organized 5-Day FDP entitled “**IP INCUBATION & STARTUPS**” from 03rd to 8th August 2023 for faculties between 10.30AM to 03.30PM at KSIT Seminar Hall, Ground floor.



- Organized a webinar on “**CASTING SIMULATION FUNDAMENTALS**” for students to encourage the knowledge of foundry and casting on 27th Sep 2023.

EVENTS ATTENDED BY FACULTY

- Mr Rajesh G L** has attended **Technical Institution Meet 2023** organized by GTTC, Rajajinagar in association with Siemens Technologies and Design Tech held on 22nd August 2023 at 9.30AM.

PUBLICATIONS BY FACULTY

- Prof Dr. Saleem Khan**, “Influence of Hot Extrusion Process on Tensile Properties and Microstructures of Aluminium 6061 Hybrid Composite”, SAE Technical Paper 2023-01-0986, 2023, <https://doi.org/10.4271/2023-01-0986>, ISSN - 0148A-7191, e-ISSN: 2688-3627, 7th Mar 2023
- Prof Dr. Nagaprasad K S**, “Emission characteristics of diesel engines fuelled with B20 with different DPF, DOC and ECR arrangements”, International Journal of Ambient Energy, 45:1,2277308, DOI: 10.1080/01430750.2023.2277308.
- Prof Dr. Nagaprasad K S**, “Characterization of Briquette Fuel prepared from corn club”, International Journal of Scientific Research in Science, Engineering and Technology, doi.org/10.32628/IJSRSET23103213, volume 10/ Issue 4/9368.
- Prof Tejaswini M L, “Laboratory Investigations on Durability Assessment of Concrete incorporating Copper Slag as Fine Aggregates”, Indian Journal of Natural Sciences, Vol.13 / Issue 76 /February/ 2023.



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5. **Prof Dr. Nirmala L**, "An Investigation on the Mechanical and Durability Properties of Concrete structures incorporated with Low Carbon Steel – Industrial Waste", 21st ISME International conference on advances in Mechanical Engineering, July 13-17, 2023.
6. **Prof Tejaswini M L**, "An Investigation on the Mechanical and Durability Properties of Concrete structures incorporated with Low Carbon Steel – Industrial Waste", 21st ISME International conference on advances in Mechanical Engineering. July 13-17, 2023
7. Mr. K Prasad, One week Faculty Development Programme on " Machine Learning Applications for Mechanical Engineers" from 18-23, 2023
8. Dr. Nagaprasad K S, Six Days Faculty Development Program on "Teaching, Learning & OBE Concepts" at K S Institute of Technology, Bengaluru from 21st- 27th Sep 2023
9. Dr. Nagaprasad K S, AICTE Training And Learning (ATAL) Academy Faculty Development Program " Hydrogen Hybrid Technology for cleaner Mobility Revolution at BMS Institute of Technology & Management 06th-11th Nov 2023
10. Dr. Nagaprasad K S, Insight from Leaders Program at Department of Mechanical Engineering, KSSEM in collaboration with K S Research and Innovation Foundation 24th Nov 2023
11. Dr. Nagaprasad K S, Faculty Development Program on "3D Printing & Reverse Engineering Technology in Medical Applications, APS College of Engineering, 4th - 9th Dec 2023
12. Mr. Manjunath B R, Five Days Faculty Development Program on " Current Technology Developments in Additive Manufacturing, Department of Mechanical Engineering, SJBIT, 8th -12th Jan 2024
13. Mr. Manjunath B R , Faculty Development Program on "3D Printing & Reverse Engineering Technology in Medical Applications, APS College of Engineering, 4th - 9th Dec 2023
14. Mr. Ranganath N, Six Days Faculty Development Program on "3D Printing & Reverse Engineering Technology in Medical Applications", APS College of Engineering, 4th - 9th Dec 2023
15. Mr. Ranganath N, Five Days Faculty Development Program on " IP Incubation and Startups" at KSIT - KSCST IP Cell, K S Institute of Technology in association with patent information center (PIC) KSCST, IISc Campus Bengaluru 3rd -8th Aug 2023
16. Mr. Ranganath N, Safe Practices & Secure Future " One day seminar on Industrial Safety Department of Mechanical Engineering in association with K S Research & Innovation Foundation 23rd Jan 2024
17. Mr. Anil Kumar A, Five Days Faculty Development Program on " Current Technology Developments in Additive Manufacturing, Department of Mechanical Engineering, SJBIT 8th -12th Jan 2024
18. Mr. Anil Kumar A, Faculty Development Program on "3D Printing & Reverse Engineering Technology in Medical Applications, APS College of Engineering 4th - 9th Dec 2023
19. Mr. Anil Kumar A, Safe Practices & Secure Future " One day seminar on Industrial Safety Department of Mechanical Engineering in association with K S Research & Innovation Foundation 23rd Jan 2024
20. Mr. Harish U, Faculty Development Program on "3D Printing & Reverse Engineering Technology in Medical Applications, APS College of Engineering, 4th - 9th Dec 2023



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21. Mr. Harish U, Five Days Faculty Development Program on " IP Incubation and Startups" KSIT - KSCST IP Cell, K S Institute of Technology in association with patent information center (PIC) KSCST, IISc Campus Bengaluru 3rd -8th Aug2023
22. Dr. Saleem Khan, AZ31-MWCNT Composites Fabricated Through Powder Metallurgy for Aerospace Applications Aero Tech Conference and Exhibition ISSN: 0148-7191, e-ISSN: 2688-3627, 2024/03/05 DOI: <https://doi.org/10.4271/2024-01-1938> 3rd July 2024
23. Dr. Saleem Khan, Six Days Faculty Development Program on "Teaching, Learning & OBE Concepts" K S Institute of Technology, Bengaluru 21st- 27th Sep 2023
24. Mr. Rajesh G L, Six Days Faculty Development Program on "Teaching, Learning & OBE Concepts" K S Institute of Technology, Bengaluru 21st- 27th Sep 2023

PUBLICATIONS BY FACULTIES

1. Dr. Dilip kumar K, Plain-Woven Areca Sheath Fiber-Reinforced Epoxy Composites: The Influence of the Fiber Fraction on Physical and Mechanical Features and Responses of the Tribo System and Machine Learning Modeling, ACS Omega 2024, 9, 7, 8019–8036 Publication Date: February 5, 2024 <https://doi.org/10.1021/acsomega.3c08164>
2. Mr. K Prasad, Development of Equal Proportional YSZ+AL₂O₃ Thermal Barrier Coating and Effect of Coating Thickness on the corrosion Behavior on cast Iron Substrate, Published: 01 February 2024, Volume 101, Pages 291-308 (2024), DOI: <https://doi.org/10.1007/s11085-024-10222-5>
3. Dr. Nagaprasad K S, Emission characteristics of diesel engines fuelled with B20 with different DPF, DOC and EGR arrangements, International Journal of Ambient Energy- Taylor and Francis Publications Volume 45, No 1, 2024 <https://doi.org/10.1080/01430750.2023.2277308>
4. Mr. A Anil Kumar, Impact of Boundary conditions and radius of curvature on Vibro- Acoustic Behavior of Cold Rolled carbon steel structure, Journal of Vibration Engineering and Technologies Springer Publications-Scopus Indexed 25 March 2024 DOI: <https://doi.org/10.1007/s42417-024-01375-3>

ACHIEVEMENTS BY FACULTY

1. **Prof. Tejaswini M L** Completed Final Ph.D., defense on **"INVESTIGATION ON COPPER SLAG AS AN ALTERNATIVE TO FINE AGGREGATES IN CONCRETE STRUCTURES"**, under the guidance of Dr. Asha K, Associate Professor, Dept of Civil Engineering, B M S College of Engineering.

ACHIEVEMENTS BY STUDENT

2. Two research scholars successfully completed their Ph.D under the Guidance of Dr. Dilip Kumar K, Principle, KSIT.
3. Mr. Kushal Kadam of the 7th Semester, Department of Mechanical Engineering Represented the college at the VTU State Level Athletic Meet held at Belagavi during the academic year 2022-23.
4. Mr. Haryank V Kashyap of the 7th Semester, Department of Mechanical Engineering presented a paper published by Dr. Nirmala L, Associate Professor, and Mrs. Tejaswini M L,



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Assistant Professor, Department of Mechanical Engineering, Titled “An Investigation on the Mechanical and Durability Properties of Concrete structures incorporated with Low Carbon Steel – Industrial Waste” at the 21st Indian Society for Mechanical Engineers (ISME) International Conference on “Advances in Mechanical Engineering” held at PES University on 13th July 2023.

LIST OF MAJOR & MINOR RESEARCH PROJECTS UNDER NATIONAL / STATE/ PRIVATE FUNDING AGENCIES:

Sl. No.	Name of the Teacher / Principal Investigator	Project Title	Year of Sanction	Funding Agency	Total Amount Sanctioned
1	Dr. Nirmala L	Design and Fabrication of Adaptive Driving Attachment to an existing Four Wheeler vehicle to Help differently able person KSCST	Apr-23	KSCST SSP-47 Series	7000

FUNDED PROJECTS

Sl. No.	Name of the Teacher / Principal Investigator	Project Title	Year of Sanction	Funding Agency	Total Amount Sanctioned
1	Dr. Nirmala L	Design and Fabrication of Adaptive Driving Attachment to an existing Four Wheeler vehicle to Help differently able person KSCST	Apr-23	KSCST SSP-47 Series	7000



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RECOGNITION

1. **Dr Nagaprasad K S** has been appointed as Domain Expert in Research Advisory Committee for research scholar working on "Simulation of combined haling and cooling system at DCSE, Bangalore.
2. **Dr Umashankar M** has been appointed as Research supervisor in VTU, Belgaum
3. **Dr Nagaprasad K S** has been appointed as Research supervisor in VTU, Belgaum
4. **Dr Saleem Khan** has been appointed as Research supervisor in VTU, Belgaum
5. **Dr Nagaprasad K S** has been appointed as Research supervisor in VTU, Belgaum
6. **Dr. Nagaprasad K S**, was invited by Karnataka Examination Authority, Government of Karnataka on 19th September, 2023 for an official work.

FUNDED PROJECTS

1. Project entitled "**Design and Fabrication of Smart irrigation system using IOT**" by Mr Jashwanth S, Mr Shreyas B, Mr Sujay Adithya, Mr Thejas V R under the guidance of **Dr Girish T R**, Associate Professor, Department of Mechanical Engineering, KSIT has been has selected for state level seminar held at Alva's Institute of Engineering and Technology, Moodubidire on 11th-12th August 2023
2. Project entitled "**Design and Construction of an Integrated Domestic organic waste composting device**" by Mr Sanjay V, Mr Arun Kumar M, Mr Venkataramana G Bhat, Ms Charitha S under the guidance of **Mr Ranganath N**, Assistant Professor, Department of Mechanical Engineering, KSIT has been has selected for state level seminar held at Alva's Institute of Engineering and Technology, Moodubidire on 11th-12th August 2023
3. Project entitled "**Design and Fabrication of Solar Dryer for Onion**" by Mr Jithan A, Mr Hemanth K, Mr Madhu V, Mr Nithesh S R under the guidance of **Dr Nirmala L**, Associate Professor, Department of Mechanical Engineering, KSIT has been has selected for state level exhibition held at Alva's Institute of Engineering and Technology, Moodubidire on 11th-12th August 2023.
4. Project entitled "**DESIGN AND FABRICATION OF LOW-COST MECHANICAL VENTILATOR**" by Mr Mohan R Krishna, Harsha P, Anirudh R and Mallikarjun Basawaraj Holde under the guidance of **Dr. Nirmala L** Associate Professor, Department of Mechanical Engineering, KSIT has been has been approved by the Council under "VTU Financial assistance for Innovative projects of Final year UG students and sanctioned an amount of Rs.5000.
5. Project entitled "**EXPERIMENTAL AND NUMERICAL INVESTIGATION ON ACOUSTIC BEHAVIOUR OF CYLINDRICAL SHELL STRUCTURES**" by Mr Rakshith A, Sanjay Rao G, Srinivas R and D Manish under the guidance of **Mr. Anil Kumar**, Assistant Professor, Department of Mechanical Engineering, KSIT has been has been approved by the Council under "VTU Financial assistance for Innovative projects of Final year UG students and sanctioned an amount of Rs.5000.

CLUB ACTIVITIES

1. Mega ATV Championship (Our students of KSGI (KSIT and KSSEM) participated in **Mega ATV Championship** on **15 May 2022**.



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING – IoT, CYBERSECURITY INCLUDING BLOCKCHAIN

EVENTS CONDUCTED

1. The Department of CSE-ICB organized TECHNICAL TALK on “BEYOND WIRES AND WAVES – INTERNET COMMUNICATION & NETWORKING PROTOCOLS DEMYSTIFIED” by Mr AKHIL MOHAN, Solution Architect at Akamai Technologies on 11.01.2024.



2. The Department of CSE-ICB organized ONE DAY INDUSTRIAL VISIT to Place of Visit: KTPO Convention Centre White field, Bengaluru, India for IoT TECH EXPO on 02.02.2024



EVENTS ATTENDED BY FACULTY

3. Dr. Ganga Holi, Professor & Head participated in a 6 days faculty development program on “Teaching Learning and OBE Concepts” from 21/10/2023 to 27/10/2023.
4. Dr. Ganga Holi, Professor & Head participated in 10 days faculty development program on “Essentials of Cybersecurity in Blockchain Technologies” from 19/02/2024 to 29/02/2024.
5. Mr. Kushal Kumar B N, Associate Professor participated in IEEE International Conference on Data Engineering and Communication Systems(ICDECS) on “Comprehensive Insights into Machine Learning for Intrusion Detection Systems in IoT & its Datasets” from 22/03/2024 to 23/03/2024.
6. Mrs. Rajashree M Byalal, Assistant Professor participated in a 6 days faculty development program on “Data Analytics Using Python For Health Care Applications” from 4/12/2023 to 9/12/23.



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BOOK CHAPTER PUBLICATIONS

1. Dr. Surekha Borra , Dr Renuka Veerappa Tali, Channel Fusion Filter and Invariant Scattering Network-Based Leukocyte Image Discrimination Framework, Research in International Journal of Intelligent Engineering & Systems , in the year December 17, 2023, Vol.17, No.1, 2024, 862 , DOI: 10.22266/ijies2024.0229.73. <https://inass.org>.

INTERNATIONAL JOURNAL PUBLICATIONS

1. Mr. Kushal Kumar B N "Comprehensive Insights into Machine Learning for Intrusion detection systems in IOT & its datasets." IEEE Conference on DATA ENGINEERING AND COMMUNICATION SYSTEMS 22-23 March 2024, Bangalore India [International Conference].
2. Dr. Ganga Holi "Comparison of optimization techniques particle swarm optimization with genetic algorithm for medical image watermarking" Healthcare Big Data Analytics: Computational Optimization and Cohesive Approaches, De Gruyter, 2024, pp. 25-54.

ACHIEVEMENTS BY STUDENTS

1. Saakshi S Urs (USN:1KS22IC039) Secured Runner-up in Table Tennis (Women) Inter-Collegiate Bangalore South Division Level Tournament held at JSSATE from 12/07/2023 to 13/07/2023.
2. Nishanth R (USN: 1KS22IC026) Secured Second Place in the "Hacking Hardware" workshop organized by Dept of E&C in association with Garut Aerobotics Club and KSIT IEEE on 21st and 22nd July 2023. Participated in 24hrs Hackathon organized by the Jyoti Institute of Technology.
3. Tejas Gowda N (USN: 1KS22IC056) Secured Second Place in the "Hacking Hardware" workshop organized by Dept of E&C in association with Garut Aerobotics Club and KSIT IEEE on 21st and 22nd July 2023. Participated in 24hrs Hackathon organized by the Jyoti Institute of Technology. Coordinated an event named Tech Vistara hosted by Garut Aerobotics Club. Participated in a 5k Marathon organized by the Department of Electronics and Communication Engineering at K.S Institute of Technology on 17th June 2023.
4. Vaishnavi A (USN: 1KS22IC059) participated in the Nisvaarth-2 5k Run marathon organized by the Department of Electronics and Communication Engineering at K.S Institute of Technology on 15th June 2024.



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DEPARTMENT OF APPLIED SCIENCES AND HUMANITIES

EVENTS CONDUCTED

1. The Department of Applied Sciences and Humanities in association with the NSS wing of the college organized a one day session on Yoga and life science on 21-6-23
2. The Department of Applied Sciences and Humanities(Chemistry) organized a talk on unlocking innovations for transforming the technology of tomorrow on 22/07/2023
3. The Department of Applied Sciences and Humanities organized a 6 days soft skills training and placement program for the II semester on Students Problem Analysis Individual and Team work ,communication, Life-long learning, Ethics,. between 3-8-2023 to 8-8-2023
4. The Department of Applied Sciences and Humanities in association with the NSS wing of the college organized a program on Life style and stress management on 16-8-23
5. The Department of Applied Sciences and Humanities(Physics) organized a talk on Importance of Physics in Engineering on 19-8-2023
6. "Dr. Manoj Saigal, Currently working as a Training Head and senior Counselor, at Imperial Overseas, delivered a talk about various Entrance Exams, preparation, study materials, tips and tricks to clear exams to study Abroad. " on 14-03-2024.



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STEM FIESTA 2K24 Science

1. " STEM FIESTA 2K24 Science Fest was organized by the Department of Applied Science and Humanities on 23rd March 2024. Prof. Babitha, Vice Principal, Vijaya Bifurcated PU College, Bengaluru was the Chief Guest. The Science Fest included events such as Project Exhibitions, Poster Presentation, Quiz, Pick and Speak and Photography".



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Talk on Personality Development, Team Building and Time Management

"AS & H Department organized a talk on PERSONALITY DEVELOPMENT, TEAM BUILDING, AND TIME MANAGEMENT delivered by Prof. Sapthagiri on 02-04-2024.: Head- Administration, Admissions at Jain (Deemed to be University).The main objective of the talk was to familiarize students with enhancing different facets of their personalities and helping them mold themselves to achieve their goals. "

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Talk on Applications of Quantum Mechanics for Engineering Students

"Dr.Daruka Prasad B started his talk by explaining the origin of quantum mechanics and its various concepts. He also highlighted the applications of quantum mechanics in quantum computing by explaining the concepts of qubits, superposition and entanglement. He emphasized that an understanding of quantum mechanics is becoming increasingly essential for engineers as technological advancements continue to push the boundaries of classical physics."

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3.

WORKSHOP ON: MACHINE LEARNING AND IMAGE PROCESSING 04-06-2024

"The workshop's main objective is to provide basic knowledge about Machine Learning, Image Processing, its real-world applications, and the advantages of both trending technologies. First Day, Introduction to Machine Learning, its applications, and advantages were discussed along with the hands-on sessions using Python and also to visualize the data using Python Visualization tools. Second Day, an Introduction to Image processing, its applications, application areas, and challenges

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were discussed. A hands-on session was conducted to read, write, and manipulate the images, display images in RGB formats, and also to flip the image using OpenCV software."



NATIONAL AND INTERNATIONAL LIST OF PUBLICATIONS

1. Evolution of SnO₂ nanoparticles for the electrochemical sensing of dopamine including photocatalytic toxic dyes degradation, Kiran Kumar S.R, Elsevier-Journal Sensors International, 2023-24, <https://doi.org/10.1016/j.sintl.2023.100278>.
2. Eco-friendly synthesis of carbon nanospheres for sensitive detection of dopamine, **Kiran Kumar S.R** to IEEE, 2023-24, Paper Id: 1652.
3. Highly Efficient NiO- ZnO Nanocomposites Synthesis, Characterization and its Application in modified carbon paste electrode for electrochemical sensors, **Kiran Kumar S.R**, MATERIALS Today Elsevier 2023.
4. **Dr. JALAJA P** presented a paper entitled "Highly Efficient Nio-ZNO Nanocomposites synthesis" in the Second International Conference on Advanced Trends in Mechanical Engineering and Automation Science (ATMA-2023, in association with ELSEVIER) Organized by Department of Mechanical Engineering, Dayananda Sagar University, Bengaluru, India. During 24-26, March 2023.
5. **Dr. JALAJA P** has published a paper entitled "Evolution of SnO₂ nanoparticles for the electrochemical sensing of dopamine including photocatalytic toxic dyes degradation" ELSEVIER- Sensors International Volume 5, 2024, 100278.Link: <https://www.sciencedirect.com/science/article/pii/S2666351123000529>

EVENTS ATTENDED BY FACULTY

1. Dr. JALAJA P Participated in a two day Workshop titled on "Advance training on IPR" held on 23rd & 24th February 2023 at K.S Institute of Technology, Bengaluru



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2. Dr. JALAJA P Participated in one day Workshop on “ Research Methodology and Publication Ethics” organized by the Department of Physics, Chemistry and Mathematics, BMSCE , Bengaluru, held on 18th April 2023.
3. Dr. JALAJA P Participated in “NISVAARTH-2023 KSGI 5K MARATHON” ”organized by the Department of ECE at K.S Institute of Technology, Bengaluru on 17th June 2023.
4. Dr. JALAJA P Participated in the Five day Faculty Development Programme on “ADVANCED AND TECHNICAL COMPUTING WITH MATLAB” organized by the Department of Mathematics, School of Engineering, Presidency University, Bengaluru from 25th to 29th July 2023.
5. Dr. Kiran Kumar S R Participated in a two day workshop titled Advance training on IPR held on 23 & 24 February 2023 at. K.S. Institute of Technology Bengaluru.
6. Dr. Kiran Kumar S R attended a “National Webinar on Smart Materials and Applications” held on 27th & 28th February 2023 organized by PG & Research Department of Physics, Gonzaga College of Arts and Science for Women, Krishnagiri, Tamil Nadu, India.
7. Dr. Kiran Kumar S R Participated in a National Symposium on “Coordination Chemistry & Catalysis” Organized by Department of Chemistry and Waraseoni Chemical Society on February, 14, 2023.
8. Dr. Kiran Kumar S R attended a International Webinar on Breaking
9. Barriers in Science on 14th February 2023 Organized by Department of Chemistry KNM, Nagpur, Maharashtra.
10. Dr. Kiran Kumar S R attended a international Conference on ADVANCES IN MATERIALS, CERAMICS AND ENGINEERING SCIENCES, Dayanand Sagar Group of Institution Bengaluru (AMCES-2023) 13- 15, March 2023.
11. Dr. Kiran Kumar S R Participated and gave a oral presentation in the **Second International conference on Advanced Trends in Mechanical & Automation Science (ATMA -2023)**”, to be held during 24-26, March 2023 at Dayananda Sagar University(DSU), Bangalore-560068, India.
12. Dr. Kiran Kumar S R attended a online faculty development Program on Advanced Functional Materials for science and Engineering -2023 Organized by Department of Chemistry on 15 May 2023 to 19 May 2023 at Don Bosco Institute of Technology Bengaluru.
13. Dr. Kiran Kumar S R attended a five day faculty development Program on IP incubation and startups from 3rd to 8th August 2023 Organized by KSIT-KSCST IP cell, K.S. Institute of Technology in association with Patent Information center, KSCST IISc Campus Bengaluru.
14. Dr. Kiran Kumar S R attended a five day faculty development Program on Advances in Green Technology and Future Opportunities”, organized by First Year Engineering Department, Dr. D. Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune, from 7th August 2023 to 11th August 2023.
15. Dr. Kiran Kumar S R attended a International Conference on Recent Trends in Advanced Functional Materials organized by School of Physical Science on 2nd September 2023, P C Jabin science college Hubli
16. Dr. Kiran Kumar S R Participated in a webinar Casting Simulation Fundamentals organized by Department of Mechanical Engineering, KSIT in association with The Institute of Indian Foundrymen , Bangalore chapter on 27th September 2023.
17. Dr. Kiran Kumar S R attended a international Conference on Multidisciplinary Research in Technology and Management organized by New Horizon college of Engineering Bengaluru 22nd & 23rd September 2023.
18. Dr. Kiran Kumar S R attended a INSIGHT FROM LEADERS Program organized by the Department of Mechanical Engineering, KSSEM in collaboration with KS Research and Innovation Foundation on 24th November 2023.



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19. Dr. Kiran Kumar S R Participated in the 20th edition of Open Source India 2023 (19th & 20th October, 2023).
20. Mrs. Shylaja K.R published a paper titled on "Acmella oleracea induced nanostructured $\text{Ca}_2\text{Fe}_2\text{O}_5$ for evaluation of photocatalytic degradation of cardiovascular drugs and bio toxicity", Heliyon Journal, Volume 9 Issue 5 (May 2023)
21. Mrs. Shylaja K.R presented a paper titled on "Advances In materials, Ceramics and Engineering sciences" (AMCES-2023) in the International conference Organized by Dayananda sagar college of Engineering (DSCE), Bengaluru from 13th to 15 th March 2023.
22. Mrs. Shylaja K.R presented a paper titled "Advanced materials for Engineering and Management applications"(AMEMA-2023) the International conference on Organized by Bangalore Institute of Technology held from 18th to 20 th May 2023.
23. Mrs. Shylaja K.R attended a 5-day Faculty Development Program (FDP) on "Advanced Functional Materials for science & Engineering -2023(AFMSC)" held at the Don Bosco Institute of Technology, Bengaluru from 15th May to 19th May 2023.
24. Mrs. Shylaja K.R attended a 5-day Faculty Development Program (FDP) entitled "IP Incubation and startups" Organized by KSIT, Bengalur, from 3rd to 8th August 2023.
25. Mrs. Shylaja K.R attended Insight from leaders program organized by KSSEM on 24th November 2023.
26. Mrs. Shylaja K.R attended in the two days WORKSHOP titled "Advance training on IPR" held on 23&24 February 2023 at KSIT.
27. Mrs. Shylaja K.R attended a one day WORKSHOP on "Research Methodology and Publication Ethics" held on 18/04/ 2023 at the BMSCE, Bengaluru
28. Mrs. Radhika.N.P presented a paper titled on "Advances In materials ,Ceramics and Engineering sciences" (AMCES-2023) in the International conference Organized by Dayananda sagar college of Engineering (DSCE), Bengaluru from 13th to 15 th March 2023
29. Mrs. Radhika.N.P attended a 5-day Faculty Development Program (FDP) on "Advanced Functional Materials for science & Engineering -2023(AFMSC)" at Don Bosco Institute of Technology, Bengaluru from 15th May to 19th May 2023.
30. Mrs. Radhika.N.P attended a 5-day Faculty Development Program (FDP) entitled "IP Incubation and startups" Organized by KSIT, Bengaluru, from 3rd to 8th August 2023.
31. Mrs. Radhika.N.P attended in the 5-days Faculty Development Program (FDP) on "Advanced Functional Materials for science & Engineering -2023(AFMSC)" at Don Bosco Institute of Technology, Bengaluru from 15th May to 19th May 2023.
32. Mrs. Radhika.N.P attended in the 5-days Faculty Development Program (FDP) entitled "IP Incubation and startups" Organized by KSIT, Bengaluru, from 3rd to 8th August 2023,
33. Mrs. Radhika.N.P attended in Insight from leaders program organized by KSSEM on 24th November 2023
34. Mrs. Radhika.N.P presented a paper titled "Advanced materials for Engineering and Management applications"(AMEMA-2023) the International conference on Organized by Bangalore Institute of Technology held from 18th to 20 th May 2023.
35. **Kiran Kumar S.R**, Participated in the INUP - i2i Nano Hackathon at IIT Kharagpur research proposal Submitted with solutions for issues associated with Healthcare based on an Innovative nanoelectronics platform: fabricating sensors, devices, and systems, Project title Highly efficient multipurpose graphene oxide embedded with copper oxide as nanohybrid for electrochemical sensors and biomedical applications, 2023.
36. **Kiran Kumar S.R**, 2023 Participated in the INUP - i2i Nano Hackathon at IIT Kharagpur research proposal Submitted with solutions for issues associated with Healthcare based on an Innovative nanoelectronics platform: fabricating sensors, devices, and systems, Project title STRESS DETECTION USING MACHINE LEARNING AND BIOSENSORS



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37. Dr Kiran Kumar S.R participated in a Five Days Faculty Development Programme on -Recent Trends of Advanced Functional Materials conducted by the Dept of Physics Velammal College of Engineering and Technology Madurai from 25th March–28th March 2024.

PUBLICATIONS BY FACULTIES

1. Dr. Kiran Kumar S. R “Evolution of SnO₂ nanoparticles for the electrochemicals sensing of dopamine including photocatalytic toxic dyes degradation, Elsevier Journal Sensors International 5(2024), 100278, ISSN:2666-3511
<https://doi.org/10.1016/j.sintl.2023.100278>.

100% RESULTS

SI No	SUBJECTCODE	SUBJECT	STAFFNAME
1	BCHES202	Engineering Chemistry	Shylaja K R
2	BCHES202	Engineering Chemistry	Radhika N P
3	BCHES202	Engineering Chemistry	Dr Harisha S
4	BCHES202	Engineering Chemistry	Dr. Kiran Kumar S R
5.	BPHY202	Applied Physics for CSE Stream	Dr. Shrija Krishnan
5	PWSK206	PWS in English	Anuradha M V
6	BICOK207	Indian Constitution	Anuradha M V
7	BKBKK207 BKSKK207	Balake Kannada /Samskruthika Kannada	Trimurthy R



K.S. INSTITUTE OF TECHNOLOGY BANGALORE-109

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GRADUATION DAY-2024

Graduation day is a memorable event in a student's life as it marks the celebration of their achievements so far and marks the beginning of a wonderful journey ahead. As Eleanor Roosevelt rightly said, "The FUTURE belongs to those who BELIEVE in the beauty of their DREAMS", it is the time for students' to realise their dreams, goals and march on to achieve them with faith and belief.

K.S Institute of Technology (KSIT), Bengaluru organized graduation day ceremony at KSSEM Campus on 28th September, 2024 at 10:00 AM for the graduates of batch 2020-2024.

The Chief guest Prof. Y Narahari, Hon'ble, Honorary Professor, Department of Computer Science & Automation, IISc, with management committee members including our Honourable Secretary Sri. R. Leela Shankar Rao, President Sri. R. Rajagopal Naidu, Treasurer Sri. T. Neerajakshulu Naidu, CEO Dr. K. V. A. Balaji, Principal & Director-Dr. Dilip Kumar K, HOD CSE- Dr. Rekha. B. Venkatapura, ECE-Dr. P. N. Sudha, ME- Dr. M. Girish T R, CCE- Dr. Chanda V Reddy, AI&ML- Dr. Suresh, CS&D-Dr.Deepa S R, BS&H-Dr.Jalaja P, Dr. Kiran Kumar S R, Controller of Examination-Dr. Umashankar M, Placement officer-Dr.Harish R, Director Admission & Public Relation-Dr.Sangappa S B and all HoD's of KSSEM entered the Graduation arena in procession.



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Graduation Day Procession

The program started with Nadageethe followed by Invocation prayer. Further, the Graduates, Parents and Dignitaries were welcomed by our Principal, Dr.Dilip Kumar K and followed by Chief guest's address the members of management, PhD graduates, MTech, B.E graduates and parents, by emphasizing significance of the ceremony followed by President declaring the "Graduation Day Open".



Dignitaries on Dias

Principal Dr.Dilip Kumar K introduced and welcomed Chief Guest Prof. Y Narahari, Hon'ble, Honorary Professor, Department of Computer Science & Automation, IISc. All the dignitaries were greeted by handing bouquets.

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Welcome Address by Principal Dr. Dilip Kumar K



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Welcoming Chief Guest

Chief Guest Prof. Y Narahari, Hon'ble, Honorary Professor, Department of Computer Science & Automation, IISc, addressed the gathering and welcomed one and all present. He enlightened the gathering about the importance of education and graduation, importance of teachers and parents in a student's life.

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Graduation Day Address by Chief Guest

Members of management felicitated our Chief Guest by presenting a memento as a token of gratitude.

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Felicitations to Chief Guest

During the ceremony, graduation certificates were awarded to Graduates from Doctor of Philosophy (Ph.D.), and Graduates of Bachelor of Engineering(B.E) students. The graduates of Departments, in the following order AIML,CSE, ECE, ME of batch 2020-2024 were called out by their respective HODs and certificates were distributed to the graduates by the Chief guest and Members of Management Committee.

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Ph.D Graduates Receiving their Certificates



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B.E Graduates of 2020-2024 Batch Receiving Certificates

The graduates lead by Dr. K.V.A Balaji, CEO KSGI, took a pledge to use their degrees and knowledge for the betterment of our society.



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Graduates Taking Pledge

“Graduation Day Closed” was declared & dissolved by our President, followed by the National Anthem and graduation day procession.



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The ceremony came to an end with Photo session of graduates and lunch being served to all the attendees in college premises.



KSIT
K.S. INSTITUTE OF TECHNOLOGY

Kammavari Sangham (R) 1952, K.S.Group of Institutions

K. S INSTITUTE OF TECHNOLOGY

9 No.14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

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ANANYAREPORT2024

ANANYA

VAIBHAVIA
2024



KSIT
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K.S.INSTITUTE OF TECHNOLOGY, BANGALORE REPORT ON

ANANYA CULTURAL FEST -20234

DATE:22/05/2024

Ananya, the annual cultural and technical fest hosted by the students of KS Institute of Technology in Bangalore, India, is a vibrant celebration of talent and creativity. This four day extravaganza offers students a dynamic platform to exhibit their skills across a diverse range of activities, including dance, music, drama, sports, and technical competitions. Drawing participants from within the college, Ananya highlights the exceptional abilities of its students and fosters a spirit of camaraderie and excellence.

Announcing the eagerly anticipated return of Ananya 2024, the annual fest hosted by K.S. Institute of Technology. With the theme "Vaibhava," embodying the essence of uniqueness, this event promises to kindle creativity and inspire innovation. Carefully curated to embrace diversity, this theme sets the stage for an unforgettable experience.

The inaugural assembly of Ananya, convened on 02-04-24, marked the commencement of detailed planning and meticulous organization. Each member of the core committee and affiliated clubs was assigned specific roles and responsibilities. Fueled by team goals and enthusiasm this collaborative endeavor propelled the event forward, establishing ambitious deadlines.



ANANYA LOGO 2024

CULTURAL COMMITTEE TEAM 2023-2024

Behind every successful event, there's a group of teachers who consistently support the student committee. Their encouragement and advice guide the core committee and club members, motivating them to move forward with determination. With their support, the event becomes a vibrant display of achievements. The esteemed faculties of the Cultural Committee include:

Mr.Sunil Kumar N

Mrs. Sangeetha V

Mr. Saleem S Tevramani

Mrs.Tejaswini

Mr. Sathish Kumar B

Mrs. Anuradha M V

Mrs. Lakshmi KK

Mrs Sushma

Mrs. Pooja S

Mr. Kushal Kumar B N

Mr. Roopesh Kumar B N

Mr. Raghavendrachar S



THE CORE COMMITTEE

The central squad, aptly tagged for their pivotal role in steering the event, acts as the backbone of the entire operation. After a careful selection process, the team wasted no time and gathered for its inaugural meeting on 18-11-2024. From conceptualization to execution, this squad takes charge of all aspects of event organization.

Their responsibilities span managing finances, coordinating logistics, planning event timelines, ensuring smooth operations, and managing crowds effectively. Their dedication and relentless efforts are vital in bringing ideas to life and ensuring the success of the event.



THE CLUBS

To foster the true success of an event, it relies on individuals overflowing with dedication and endless motivation, offering unwavering support. Countless hours of relentless hard work, burning the midnight oil, are poured into crafting a spectacular showcase.

1. **Singing club:** Mesmerizing the audience with their melodious voices, the Vocal Ensemble presented a diverse array of songs, stirring emotions and crafting unforgettable moments. Their harmonious melodies and captivating performances left a lasting imprint on all attendees.



2. **Dance Club:** Injecting the event with pulsating energy and synchronized movements, the Dance Crew electrified the atmosphere with their captivating performances. Their meticulously choreographed routines and seamless coordination mesmerized the audience, igniting the stage with their sheer talent and fervor.



3. **Creative and Art Club:** Their breathtaking artwork, characterized by graceful strokes and mesmerizing decor, captivated every eye. Working tirelessly, their bold strokes and innovative decor concepts culminated in awe-inspiring masterpieces, prompting attendees to capture every moment with admiration.



4. **Media club:** This dynamic team captured the essence of the event through candid photography, crafted fillers, creatively filmed the proceedings, managed social media channels, and produced captivating VTs (Video Trailers). Under the leadership of Kiran Narayan, they ensured every aspect of media coverage was executed flawlessly.



5.Drama Club:Bringing stories to life with passion and dedication, the Drama Club delivered performances that captivated the hearts and minds of the audience. Their powerful acting and intricate stagecraft showcased their remarkable talent, leaving a lasting impression on all who attended.



6.Fashion club: Setting trends and pushing boundaries, the Fashion Team curated stunning outfits and choreographed runway walks that left the audience in awe. Their creativity and flair for style added a touch of glamour to the event, making it a visual spectacle to behold.



7. Literature Club: Entrusted with anchoring and scriptwriting duties, the Literary Guild's articulate prose and metaphorically rich language embellished every facet of the event. From crafting compelling scripts to refining nuances in delivery, their relentless dedication guaranteed captivating presentations that held the audience spellbound from beginning to end.



PRE ANANYA EVENTS

1.LOGO LAUNCH

On April 29th, at 12:30 PM, Ananya commenced with an electrifying flash mob performance by students. The lively performance not only introduced the event's logo and theme but also captivated the audience, drawing them into the vibrant atmosphere of the quadrangle. Every move was perfectly synchronized with the beats, leaving spectators in awe and creating an unforgettable spectacle. Amidst the energetic performance, two impressive dropdowns revealed the intricately designed Ananya logo. Eminent personalities, including the Principal, core faculties, core committee members, and club heads, left their mark on the occasion by autographing the backdrop, symbolizing their endorsement of the event's launch.



2.THEME LAUNCH

Leading up to Ananya, the excitement soared as the theme "Vaibhava," translating to "UNIQUE," was unveiled in a spectacular fashion. A grand banner descended, revealing the essence of the event, while the principal, esteemed faculty, and core committee members added to the fervor by launching vibrant posters. These posters, adorned with event details such as names, venues, and timings, set the stage for an electrifying experience. On the same day, amidst the excitement of the logo unveiling and team formations, the dedicated members of the core committee were honored with badges, symbolizing their commitment the magnificence of the upcoming celebration.

3.INTERDEPARTMENT TEAMS

In a momentous occasion, interdepartmental teams were formed by clubbing together branches to create four distinct teams:

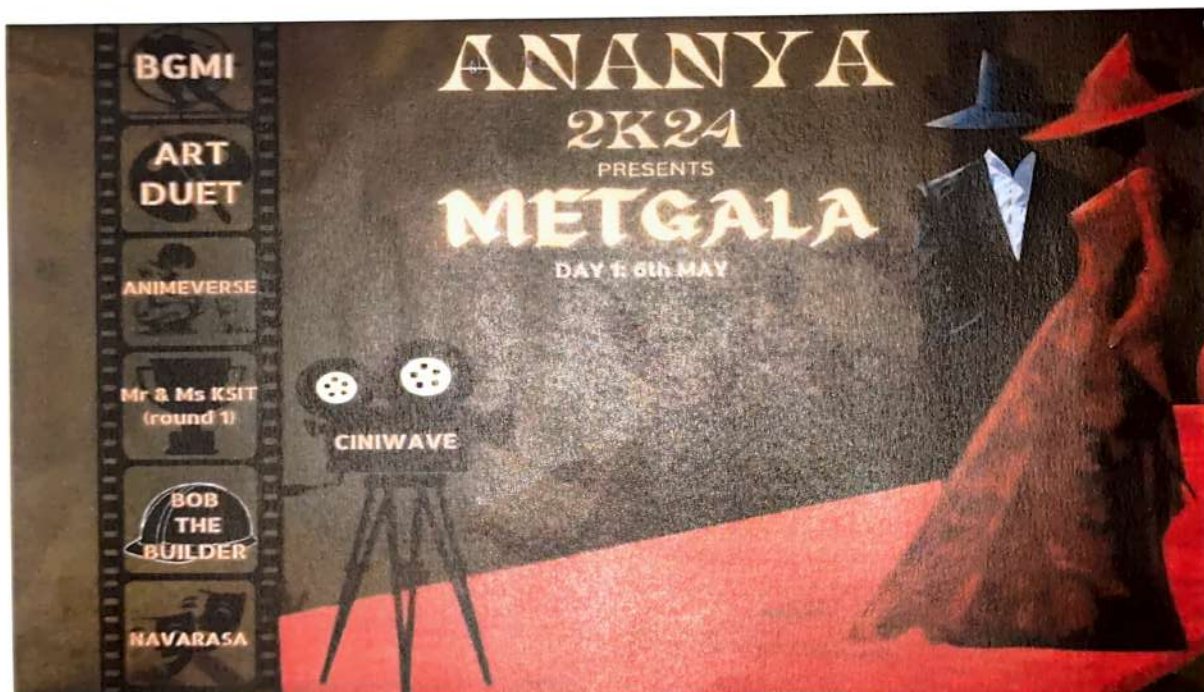
1. AURORA - CSE Department
2. ADVAYA - ECE Department
3. MAAYA- AIML and IOT Department
4. KALYUG- Mechanical, CCE, and CSD Departments



ANANYA WEEK

DAY 1 Metgala

On the enchanting day of May 6th, Day 1 of Ananya unfolded with the theme "Metgala," offering a captivating journey into a realm of mystery and elegance. Inspired by the iconic Met Gala, the event featured attendees in elaborate masks and opulent attire, creating an atmosphere brimming with intrigue and allure. The quadrangle transformed into a dazzling spectacle with grand decorations and shimmering lights, while guests reveled in the spellbinding ambiance, eager to uncover the secrets behind each intricately crafted mask. A glamorous runway show, live music, and dance performances added to the festive spirit, making Day 1 an unforgettable and magical experience.



The events on DAY 1 is as follows:

- | | |
|-------------------|------------|
| 1.BGMI | 6.Navarasa |
| 2.Art duet | 7.Ciniwave |
| 3.Animeverse | |
| 4.Mr and Ms. KSIT | |
| 5.Bob the builder | |

One of the highlights of the Metgala was the fashion team's ramp walk, where they showcased their creative vision and style. They set the stage on fire with their innovative designs and confident models. The runway came alive as the models strutted in striking outfits, from glamorous evening gowns to tailored suits, each representing the distinct style of the fashion team.

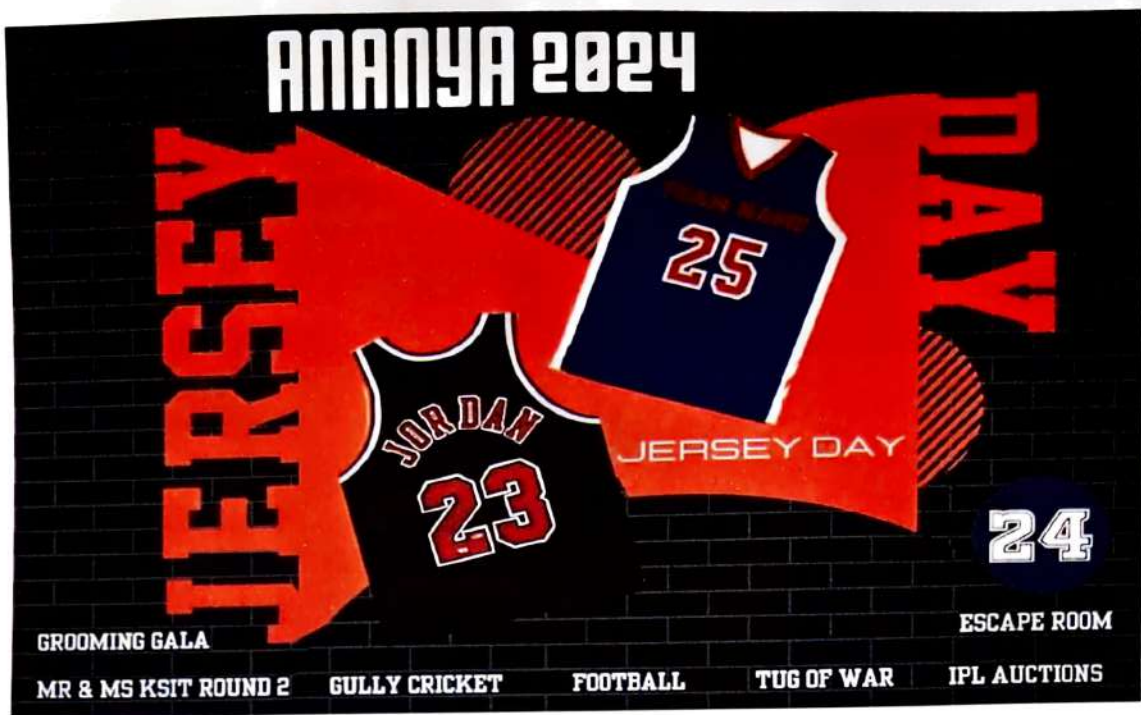
Adding to the excitement, the dance team delivered a captivating performance, energizing the crowd with their synchronized moves and dynamic routines. The music team also took the stage, enchanting the audience with live performances that perfectly complemented the evening's glamorous ambiance. Together, these performances created an unforgettable and magical experience for all attendees.





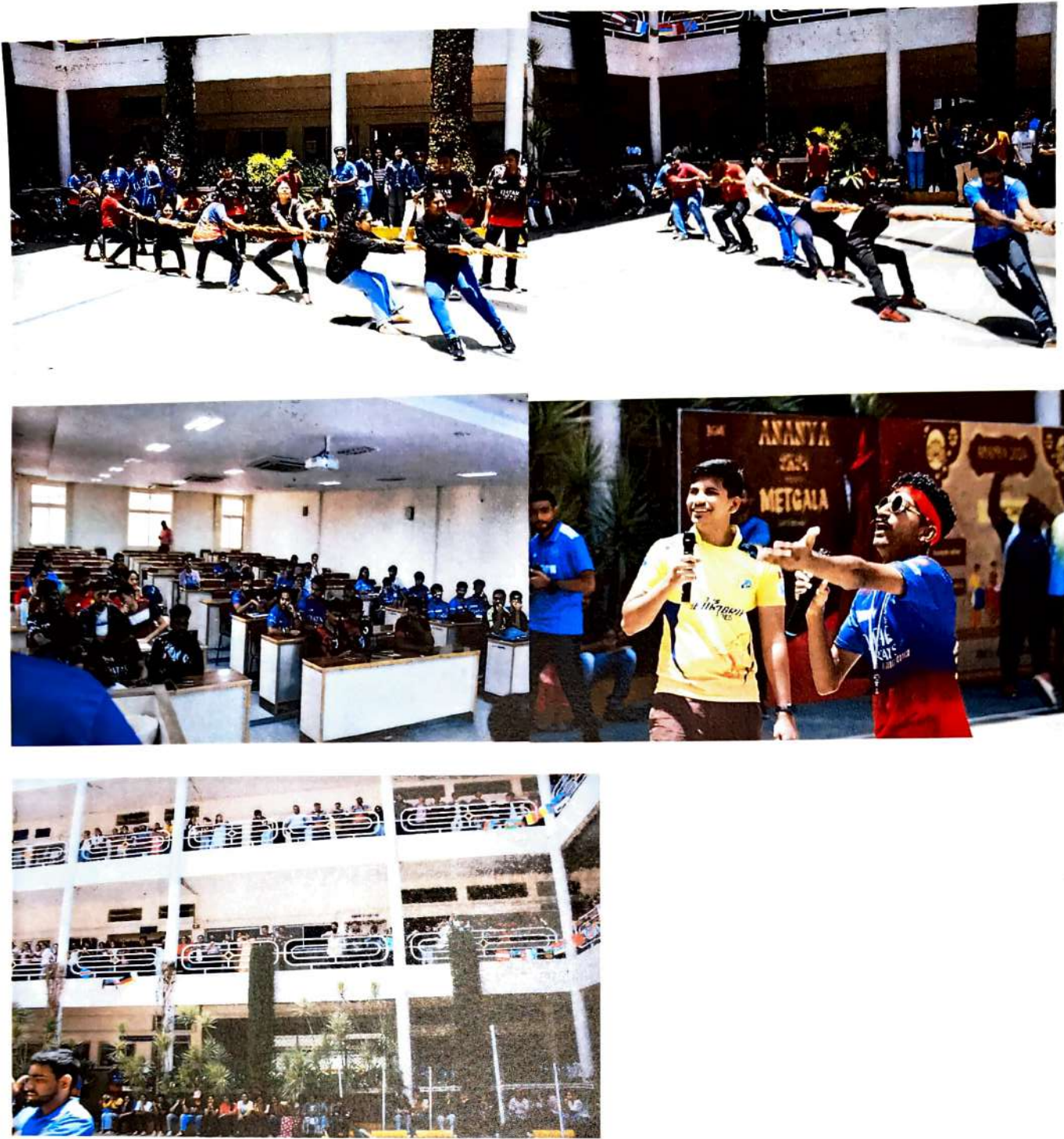
DAY 2: JERSEY DAY

Day 2 of Ananya was celebrated as Jersey Day, where students donned their favorite sports jerseys and enjoyed a day full of excitement and camaraderie. The campus buzzed with energy as everyone showcased their team spirit and love for sports, creating a vibrant and lively atmosphere. Games, activities, and sports competitions filled the day, making it a fun and memorable experience for all.



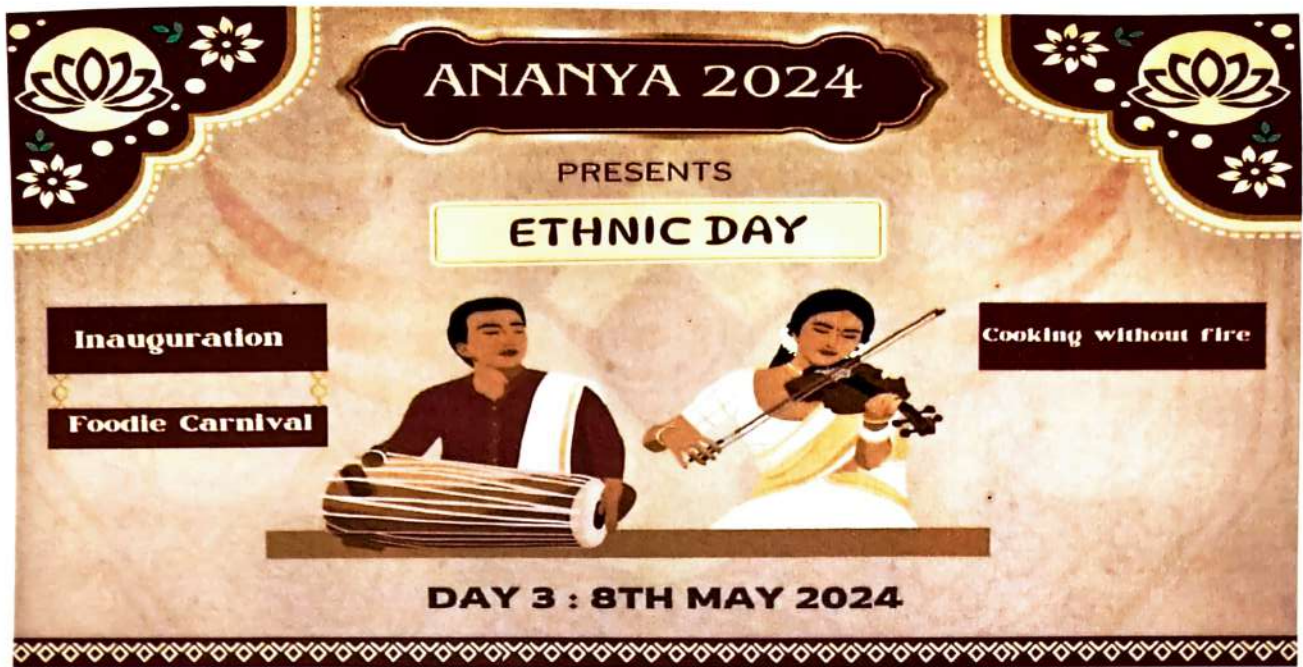
1. Grooming gala
2. Gully Cricket
3. Football
4. Tug of War
5. IPL Auctions
6. Escape room





DAY 3 :ETHNIC DAY

On May 8th, the final day of Ananya, Ethnic Day transformed the campus into a vibrant mosaic of cultures and traditions. Students and faculty adorned themselves in exquisite traditional attire, representing the rich diversity of India's heritage. The day began with a parade showcasing the beautiful array of ethnic costumes, followed by a series of cultural performances that included folk dances, classical music, and storytelling sessions.



The events on day 3 were as follows:

1. Foodie carnival

2. LUDO

3. Cooking without fire





College Music team

Our college music team stands as the vibrant soul of our campus, uniting gifted musicians and vocalists from various walks of life. We gather to craft enchanting melodies and harmonies that linger long after the final note fades. From spontaneous jam sessions in the rehearsal room to electrifying live performances, music is the essence of our existence. Together, we don't just play music; we forge unforgettable experiences that echo in the hearts of our listeners.





DAY 4: MAIN DAY :ANANYA

The final day of Ananya 2023 was the most anticipated moment for everyone involved. As the entire core committee and clubs converged, excitement and anticipation filled the air, marking the culmination of months of meticulous planning and hard work. The event, now in its full glory, exceeded all expectations and emerged as a grand success, leaving a lasting impression on all attendees.

The atmosphere was electric, with joy and satisfaction evident in every smile. From the vibrant decorations to the lively performances, every aspect contributed to the event's resounding success. The highlight of the day was the moment when the renowned actress, VrushaPatil, graced the occasion as the Chief Guest, adding an extra layer of glamour and excitement.

The inauguration program commenced at 9:00 AM, featuring the esteemed presence of the management, CEO, principal, chief coordinator, and student core coordinators. The air buzzed with anticipation as the program unfolded, each event seamlessly transitioning into the next. Engaging competitions and insightful workshops filled the day, catering to every interest and preference.

In the evening, a grand cultural show marked the climax of the festivities. The stage came alive with dances, songs, and theatrical performances, celebrating the college's diversity and talent. The crowd cheered enthusiastically, creating an unforgettable atmosphere of unity and celebration.

Ananya 2024 concluded on a high note, with a sense of accomplishment and pride resonating among all participants, setting a high standard for future events.

COLLEGE DANCE TEAM

One of the standout performances during the fest revolved around the powerful depiction of Shiva Tandava. It was an electrifying portrayal that immersed everyone in the intense energy and majesty of Lord Shiva. Another remarkable performance was a dynamic showcase of Western dance styles. The performers delivered a high-energy spectacle that highlighted the versatility and creativity of contemporary dance.



COLLEGE DRAMA TEAM

Our college drama team is a dynamic ensemble of gifted individuals, each bringing their unique flair to the stage. From innovative scriptwriters who pen thought-provoking stories to talented actors who embody diverse characters, every member is integral to our success. We come together to explore the full spectrum of human experiences, presenting performances that entertain, challenge, and inspire. Our productions are more than just plays; they are journeys that transport audiences to new worlds, evoke deep emotions, and leave a lasting impact.



COLLEGE FASHION TEAM

It was a spectacular fashion walk showcasing the beauty of diverse cultures through their traditional attires. A group of talented fashion enthusiasts highlighted the richness of our cultural heritage. The college fashion team organized two remarkable shows: one based on a contemporary theme and the other highlighting traditional attire. Both events demonstrated the team's exceptional talent and creativity, leaving the audience in awe of the diverse expressions of fashion.



In the afternoon, the much-anticipated interdepartmental competitions began, setting the stage for an exciting display of talent and teamwork. Each team—Aurora, Maaya, Advaya, and Kalyug—was assigned a specific theme: Present, Time travel, Future, and Illusion. They were tasked with performing dance, music, and drama based on their respective themes, showcasing their creativity and skills in these captivating performances.

1. AURORA - CSE :Time travel
2. ADVAYA - ECE :Future
3. MAAYA- AIML and IOT: Illusion
4. KALYUG- Mech, CCE, and CSD : Present

They embarked on their creative journeys, infusing dance, music, and drama with the essence of their designated themes. Aurora delved into the mysteries of Time Travel, Advaya envisioned the possibilities of a futuristic world, Maaya conjured illusions that blurred the lines between reality and imagination, and Kalyug portrayed the essence of the Present moment with captivating performances.

With meticulous choreography, soul-stirring melodies, and compelling narratives, each team mesmerized the audience, transporting them into realms of wonder and introspection. The stage came alive with a symphony of creativity and passion, as the teams poured their hearts into every move and expression.



1.DANCE



2 MUSIC



3.DRAMA




Cultural coordinator

THANK YOU


Principal



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DEPARTMENT OF PHYSICAL EDUCATION & SPORTS



List of Sports Activities & Achievements from JULY -1ST 2023 – JUNE 31ST 2024

Sl. No.	Tournament/Competition	Held at	Date	No. of Students	Inter National /National/State/ University /Zonal	Achievement
1	The 68th junior National level, Ball Badminton Championship	Patliputra Sports Complex, Kankorbagh, Patna, Bihar	10th to 14th March 2024.	1	National level	Vishnu Priya GS, 1KS23CM060, Dept. of CCE, Represented Ball Badminton Association of Karnataka, Secured 3rd place
2	VTU, Bangalore South division Kabaddi tournament for men	RRCE, Bangalore	15 th & 16 th Feb 2024	12	Bangalore South division	Participated
3	VTU, Bangalore South division Throw ball tournament for women	JSSATE, Bangalore	13 th & 14 th Feb 2024	12	Bangalore South division	Participated & Reached semifinals
4	VTU, Bangalore South division Volley ball tournament for men	Jyothi IT, Bangalore	8 th & 9 th Feb 2024	12	Bangalore South division	Participated
5	VIFA Taekwondo training center's 6th National level Taekwondo championship	Bangalore University Gymnasium Hall, Bangalore	27 th and 28 th January 2024.	01	National level Championship	Tirumala Ganesh Bharadwaj Sharma, 3rd sem ECE , 1KS22EC108 , Secured Gold Medal in above 87Kg Category
6	VTU, Bangalore South division Kho-Kho tournament for men	DSCE , Bangalore	8 th & 9 th Jan 2024	12	Bangalore South division	Participated
7	Inter department sports organized	KSIT Bangalore	4 th to 29 th Dec 2023	1150	Inter department	Department of ECE Students & AS & H Staff Secured Rolling trophy.
8	State level Throw Ball Women	GAT , Bangalore	27 th Nov 2023	12	State level	Participated & reached up to semifinals
9	The 61st Nationals Roller Skating Championships (Inline hockey) 2023	Chandigarh	13 to 22 December 2023.	1	National / India	Pavithraa G, Department of CSD, Secured Bronze medal in the 61st Nationals Roller Skating Championships (Inline hockey) 2023
10	VTU, Bangalore South division Cricket tournament for men	ACSCE, Bangalore	1 st Dec 2023	16	Bangalore South division	Participated
11	4 th ATO Cup Open International Taekwondo Championship - 2023	Orchid Arena Garden , Kolkata - India	26 th Nov 2023	01	Inter National Championship	Tirumala Ganesh Bharadwaj Sharma, 3rd sem ECE , 1KS22EC108 , Secured Gold Medal in above 80Kg Category
12	VTU, Bangalore South division Cricket Selection for men	GAT, Bangalore	4 th & 5 th Nov 2023	04	Bangalore South division	Tarun R , 1st sem CSE , got Selected for State level Cricket team selection which is going to be held at PESCE, Mandya on 21st to 23rd Nov 2023.



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List of Sports Activities & Achievements from JULY -1ST 2023 – JUNE 31ST 2024

13	1 st Senior State level Dodgeball Championship Affiliated to Dodgeball Federation of India (M&W)	St.Benedict's Academy , Anchepalya , Bangalore	10 th Sept 2023	02	State level	Dhanush P, 7th AI&ML, 1KS20AI009, & Chaitanya K, 7th ECE, 1KS20EC012, Secured Winner's trophy.
14	VTU, State level Weight lifting & Best Physique Competition (M & W)	Vemana IT Bangalore	1 st & 2 nd Sept 2023	01	University level	Participated
15	VTU, Bangalore Division Football Tournament (M)	T John IT Bangalore	23 rd & 24 th Aug 2023	16	University level	Participated
16	VTU, State level Taekwondo Competition (M & W)	SIT, Tumkur	21 st Aug 2023	01	University level	Tirumala Ganesh Bharadwaj Sharma, 2nd ECE , 1KS22EC108 , Secured 3rd place in above 87Kg Category
17	VTU, State level Swimming Competition (M & W)	MSRIT Bangalore	9 th Aug 2023	03	University level	Participated
18	VTU, Bangalore Division Chess Tournament (M & W)	BGSCIT Bangalore	7 th & 8 th Aug 2023	09	University level	Participated
19	VTU, Bangalore South Division Badminton Tournament (M & W)	RNSIT, Bangalore	18 th & 19 th July 2023	10	University level	Participated
20	VTU, Bangalore South Division Table Tennis Tournament (M & W)	JSSATE , Bangalore	12 th & 13 th July 2023	7	University level	Women's team Secured 2nd Place & qualified for State level Competition
21	VTU , State level Cross Country Event (M & W)	Dr.TTIT, KGF , Kolar	10 th July 2023	8	State level	CHAITANYA K, Dept. of ECE, Participated & Secured 9 th Place



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List of Sports Activities & Achievements from JULY -1ST 2023 – JUNE 31ST 2024



Vishnu Priya GS, 1KS23CM060, Department of CCE, Represented Ball Badminton Association of Karnataka, secured **3rd place** in the 68th junior National level, Ball Badminton Championship held at Patliputra Sports Complex, Kankorbagh, Patna, Bihar from 10th to 14th March 2024.



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List of Sports Activities & Achievements from JULY -1ST 2023 – JUNE 31ST 2024



VTU, Bangalore South division **Kabaddi** tournament for men held at RRCE , Bengaluru on 15th & 16th Feb 2024. 1st match we won against RVITM and 2nd match played against ACSCE, Bengaluru.



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List of Sports Activities & Achievements from JULY -1ST 2023 – JUNE 31ST 2024



VTU, Bangalore South division **Throw ball** tournament for women held at JSSATE, Bangalore on 13th & 14th Feb 2024. We reached Semifinals.



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List of Sports Activities & Achievements from JULY -1ST 2023 – JUNE 31ST 2024



VTU, Intercollegiate Bangalore South Division Volley ball men tournament held at Jyothi IT, Bangalore on 8th & 9th Feb 2024. Our Volley ball team Participated and played against JSSATE, Bangalore.



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List of Sports Activities & Achievements from JULY -1ST 2023 – JUNE 31ST 2024

KAMMAVARI SANGHAM (R) - 1952
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K S INSTITUTE OF TECHNOLOGY
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#14, Raghuvenahalli, Kanakapura Road, Bengaluru - 560109
Department of Physical Education & Sports

PRINCIPAL
Dr. DILIP KUMAR K

NAME
G. S. MOORTHY
CHANNAKESHAVARU
N. N. KAYASWAMY
R. MANJUNATH
V. GOVINDARATHU
J. N. K.

25 years
Celebrating Excellence in Technical Education

Congratulations!

Management, CEO, Principal, HODs, Staff & Students Congratulates to **Tirumala Ganesh Bharadwaj Sharma**, 3rd Sem, ECE, 1KS22EC108, Secured **Gold Medal** in 6th National level Taekwondo championship (weight category above 87kg) was organised by VIFA Taekwondo training center held at Bangalore University Gymnasium hall, Bangalore on 27th and 28th January 2024.

Tirumala Ganesh Bharadwaj Sharma, 3rd Sem, ECE, 1KS22EC108, Secured Gold Medal in 6th National level Taekwondo championship (weight category above 87kg) was organised by VIFA Taekwondo training center held at Bangalore University Gymnasium hall, Bangalore on 27th and 28th January 2024.



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List of Sports Activities & Achievements from JULY -1ST 2023 – JUNE 31ST 2024



VTU, Intercollegiate Bangalore South Division Kho – Kho tournament held at DSCE , Bangalore on 8th & 9th Jan 2024 our Kho -Kho team Participated and played against GAT , Bangalore.



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List of Sports Activities & Achievements from JULY -1ST 2023 – JUNE 31ST 2024



Interdepartment Sports held at KSIT, from 4th to 29th Dec 2023, ECE Students & AS & H Staff Secured Rolling Trophy



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List of Sports Activities & Achievements from JULY -1ST 2023 – JUNE 31ST 2024



State level Throw Ball Women tournament held at GAT , Bangalore on 27th Nov 2023
our Throw ball team reached semifinals



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List of Sports Activities & Achievements from JULY -1ST 2023 – JUNE 31ST 2024



Pavithraa G, Department of CSD, Secured Bronze medal in the 61st Nationals Roller Skating Championships (Inline hockey)2023 - held at Chandigarh from 13 to 22 December 2023.



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List of Sports Activities & Achievements from JULY -1ST 2023 – JUNE 31ST 2024



Our students have Participated in VTU, Bangalore South division Cricket tournament for men held at ACS College of Engineering , Bangalore on 1st Dec 2023



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List of Sports Activities & Achievements from JULY -1ST 2023 – JUNE 31ST 2024



4th ATO Cup Open International Taekwondo Championship – 2023 held at Orchid Arena Garden, Kolkata – India on 26th Nov 2023. **Tirumala Ganesh Bharadwaj Sharma, 3rd sem ECE, 1KS22EC108**, Secured Gold Medal in above 80Kg Category.



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List of Sports Activities & Achievements from JULY -1ST 2023 – JUNE 31ST 2024



Our students have Participated in VTU, Bangalore South division Cricket Selection for men held at GAT, Bangalore on 4th & 5th Nov 2023.



Tarun R , 1st sem CSE , got Selected for the State level Cricket team selection which is going to be held at PESCE, Mandya on 21st to 23rd Nov 2023.



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List of Sports Activities & Achievements from JULY -1ST 2023 – JUNE 31ST 2024



Chaitanya K, 7th ECE, 1KS20EC012 & Dhanush P, 7th AI&ML, 1KS20AI009, Secured Winner's trophy in 1st Senior State level Dodgeball Championship, Affiliated to Dodgeball Federation of India held at St.Benedict's Academy , Anchepalya , Bangalore on 10th Sept 2023.



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List of Sports Activities & Achievements from JULY -1ST 2023 – JUNE 31ST 2024



KUSHAL M J, Dept. Of CSD , 1KS21CG025, Participated in VTU, State level Best Physique Competition for men held at Vemana IT, Bangalore on 1st & 2nd Sept 2023.



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List of Sports Activities & Achievements from JULY -1ST 2023 – JUNE 31ST 2024



VTU Intercollegiate, Bangalore South Division Football Tournament (M) held at T John IT, Bangalore on 23rd Aug 2023. KSIT, Football team participated in this tournament.



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List of Sports Activities & Achievements from JULY -1ST 2023 – JUNE 31ST 2024



Tirumala Ganesh Bharadwaj Sharma, 2nd ECE, 1KS22EC108, Secured 3rd place in above 87Kg Category in VTU, State level Taekwondo Competition for (M & W) held at SIT, Tumkur on 21st Aug 2023.



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List of Sports Activities & Achievements from JULY -1ST 2023 – JUNE 31ST 2024



VTU, State level Swimming Competition (M & W) held at Basavana gudi Aquatic center, Organised by MSRTI, Bangalore on 9TH Aug 2023 KSIT Swimmers Participated in this competition



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List of Sports Activities & Achievements from JULY -1ST 2023 – JUNE 31ST 2024



VTU, Bangalore Division Chess Tournament (M & W) held at BGSCIT Bangalore on 7TH & 8TH Aug 2023
KSIT Chess team Participated in this competition



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List of Sports Activities & Achievements from JULY -1ST 2023 – JUNE 31ST 2024



Uttarahalli - Kengeri Main Road, Channasandra, R.R Nagar Post, Channasandra,
Srinivasapura, Bengaluru, Karnataka 560098, India

Latitude
12.9004747°

Longitude
77.5183199°

Local 11:33:16 AM
GMT 06:03:16 AM

Altitude 833 m
Tuesday, 18.07.2023

Participated in VTU , Bangalore South Division Badminton Tournament (M &W) which was held at RNSIT, Bangalore on 18th & 19th July 2023



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List of Sports Activities & Achievements from JULY -1ST 2023 – JUNE 31ST 2024



KSIT, Girl's Table Tennis team Secured 2nd Place in VTU , Bangalore South Division Table Tennis Tournament (M &W) which was held at JSSATE, Bangalore on 12th & 13th July 2023 .



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List of Sports Activities & Achievements from JULY -1ST 2023 – JUNE 31ST 2024



Participated in VTU , State level Cross Country Event (M &W) which was held at Dr.TTIT, KGF , Kolar on 10th July 2023

NSS at KSIT

The Events Conducted:

1. Environment Day 05-06-2023
2. Yoga day 21-6-2023
3. NSS Special Camp-Abhyudhaya 22-6-2023
4. Drug awareness program 26-06-2023
5. Blood donation camp 8-7-2023
6. Medical tactile examination 1-08-2023
7. Independence Day 15-08-2023
8. BLS & First Aid Training (ECE)19-08-2023
9. BLS & First Aid Training(CSE,ME,AIML,CSD) 19-08-2023
10. Teachers Day 05-09-2023
11. Fire Extinguisher 12-09-2023
12. NSS Orientation 13-09-2023
13. International Day of Democracy 15-09-2023
14. Kannada Rajyothsava 01-11-2023
15. Republic Day 26-01-2024
16. Zero Plastic Usage Campaign 19-02-2024
17. Helping Government School Students to Achieve Good Results 18-11-2023
18. World Earth Day 23-04-2024
19. Voter Awareness Campaign
20. NSS Special Camp - Sanchalana 07-06-2024
21. International Yoga Day 10-06-2024
22. Environment Day 13-06-2024
23. Nasha Mukth Bharath 24-06-2024
24. Drug Awareness Program 25-06-2024



IQAC Co.ordinator
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