SAMBHRAM
INSTITUTE OF TECHNOLOGY

HALF YEARLY ELITE NEWSLETTER

AUG 2023-JAN 2024

www.sambhram.org

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CONTENTS

1	MISSION AND VISION	1
2	CHAIRMAN AND PRINCIPAL'S NOTE	2
3	DEAN'S NOTE	3
4	MESSAGE FROM HODS	4
5	CHIEF EDITOR'S NOTE	7
6	EDITORIAL BOARD	8
7	ACKNOWLEDGEMENT	9
8	PREFACE	10
9	BASIC SCIENCE	11
10	COMPUTER SCIENCE AND ENGINEERING	43
11	ELECTRONICS AND COMMUNICATION ENGINEERING	50
12	ARTIFICIAL INTELLIGENCE & DATA SCIENCE	58
13	CYBER SECURITY	65
14	CIVIL ENGINEERING	75
15	SC/ST CELL	84
16	EDITORIAL TEAM	88

SAMBHRAM INSTITUTE OF TECHNOLOGY

>>> OUR MISSION

OUR MISSION IS TO PROVIDE WORK ORIENTED EDUCATION COMBINED WITHETHICAL VALUES, CHARACTER BUILDING IN CONTEXT OF TODAY'S MILLENNIUM.

OUR AIM IS TO TEACH STUDENTS THE ETHICAL VALUES, AND BUILD CHARACTERALONG WITH WORK ORIENTED COURSE. HENCE, WE STRIVE TO TRAVEL BEYONDTHE BOUNDARIES OF MERE BOOKS. WE HAVE REALIZED THAT THE FUTURE ISABSTRACT AND UNKNOWN BUT THE YOUTH IN OUR HANDS ARE REAL AND CANBE MOULDED.

>>> OUR VISION

THE FUTURE IS EMBODIED IN THE PRESENT GENERATION. PROFESSIONALEDUCATION COMBINED WITH PRACTICAL EXPOSURE TO CREATE VALUES IN THESTUDENTS WHO ARE THE FUTURE OF OUR NATION.

EDUCATION IS THE MOVEMENT FROM DARKNESS TO LIGHT
-ALLAN BLOOM

It is my pleasure to congratulate the editorial board on this pleasant occasion of releasing the newsletter for the period August 2022 to January 2023. It is great to find a considerable number of winners and participants in co-curricular and extracurricular activities which certainly prove that our staff and students are adequately equipped and possess necessary quality skill-sets to bring such laurels to the institution. I wish that this number may grow in the years to come. I am sure that publishing a newsletter of this sort containing the achievements of the SalT family will be a recognition to them. I wish them all the very best for future endeavor's.

Dr. V. Nagaraj
Chairman
Sambhram Group of Institutions

The newsletter which is being rolled out today marks the launch of an effervescent activity that would enable the Management to bring out to the eyes of the competitive world, the academic achievements of our prestigious institution. Sambhram Institute of Technology has grown in leaps and bounds, hurtling across barriers along the way. This has been made possible with the collaborative effort of the Management, the Staff and the Students. I congratulate everyone for their commitment.

Dr. H. G. Chandrakanth
Principal
Sambhram Institute of Technology

DEAN'S NOTE

It is a matter of great pride and satisfaction for Sambhram ITis going to release the 11th Edition of the College News Letterfrom (COLLEGE/ DEPT OF SAIT) shortly. The College hasmade tremendous progress in all areas of academic, non-academics, capacity building activities relevant to staff andstudents. The College has achieved milestone in getting NBA(National Board of Accreditation, New Delhi) and shortlygoing to get NAAC accreditation.

I am confident that this publication of (COLLEGE / Department)News Letter will send a positive signal to the staff, students and theperson's who are interested in the Technical education andTechnology based activities. Our college News Letter is like a mirrorwhich showcase the clear picture of all of activities undertaken inour COLLEGE/ Department and also develops writing skills amongstudents in particular and teaching faculty in general.

I congratulate and thank the Editorial Board of this News Letter who have played wonderful role in accomplishingthe task in Record time. I express my deep sense of gratitude to the Management of SAIT and our beloved Principal Dr. H. G. CHANDRAKANTH for their continued guidance, encouragement and support in conduction of all ourTechnical activities in the campus. Also my heartfelt Congratulations once again to all the members of the EditorialBoard, Teaching and Non-teaching staff members and Students of our college for their keen interest evinced andcompliment them for their untiring efforts in bringing out the College / Dept. news letter. With Best Wishes.

Dr. M. N. Sreerangaraju
Dean
(Academics)
Sambhram Institute of Technology

I am delighted to share the latest developments from ourresearch endeavors through the college newsletter. Ourdedicated researchers continue to push boundaries and makesignificant contributions to their respective fields, furtheringour mission of knowledge creation and innovation. Fromgroundbreaking discoveries to impactful collaborations, ourresearch community is thriving, and I look forward towitnessing the continued growth and success of our scholars.Warm regards,

Dr. K. V. Prasad
Dean(Research)
Sambhram Institute of Technology

MESSAGE FROM HOD'S

DR. T. JOHN PETER
HOD, CSE

The Computer Science and Engineering department stands asa beacon of digital transformation, where students and facultycollaborate to shape the future. We're in the midst of anexciting era where technology is the driving force behindalmost every aspect of our lives. At CSE, we're committed topreparing our students to be leaders in this digital age. Weprovide them with the knowledge and skills needed tonavigate the ever-changing tech landscape and make ameaningful impact.

DR. RAVISHANKAR. C. V
HOD, ECE

The Electronics and communication engineering departmentis more than just an academic unit. It's a thriving hub ofinnovation, where students and faculty collaborate on cutting-edge research, pushing the boundaries of technology. Wecontinue to prepare our students for the dynamic world ofelectrical and computer engineering, equipping them withthe knowledge and skills to solve the world's most pressingchallenges. We embrace the latest advancements, from AI andcyber security to renewable energy and IoT. I look forward tothe remarkable work that our students and faculty willcontinue to produce.

DR. LATHA. P. H
HOD, ISE

The Information Science and Technology department offersengineering and industry oriented subjects where thestudents can excel in the interested domain. These diversifiedprogrammes are application-oriented and are designed toproduce competent graduates who can apply theories inpractice. Our students are set to participate in industrial andresearch projects with a strong applied nature for industrial,commercial and community needs.

DR. MALLIKARJUN
HOD, CIVIL

The Civil department's commitment to shaping the physicaland societal landscape has never been stronger. We arededicated to providing our students with the knowledge andskills needed to design, construct, and manage infrastructurethat enhances the quality of life. In an era of environmentalconsciousness, sustainable design, and urban development,our Civil Engineering Department stands at the forefront ofinnovation. We are nurturing future engineers and leaders whounderstand the importance of balancing progress withenvironmental responsibility.

DR. APPAJI GOWDA. C
HOD, DEPT. OF MATHEMATICS

The Basic Science Department is the cornerstone of scientificknowledge and exploration, providing a solid foundation uponwhich all scientific disciplines are built. In our department, weinstill the fundamental principles of physics, chemistry,biology, and mathematics into the minds of our students. Webelieve that these principles are the keys to unlocking themysteries of the universe and advancing humanunderstanding.

DR SANGEETHA. R
HOD, CSE - CYBER SECURITY

Our students and faculty are passionate about understandingand defending against cyber threats, ensuring theconfidentiality, integrity, and availability of information. In aworld where data is currency and privacy is paramount, we arethe sentinels who ensure the safe passage of information. Weembrace the challenge of cyber security with a mix of cutting-edge technology, innovative research, and ethicalresponsibility.

DR. AJEETH
HOD, AIML

The field of Artificial Intelligence and Machine Learning isexperiencing an incredible revolution, and our departmentstands at the forefront of this transformative journey. In our AI/MLDepartment, we embark on a quest to understand, replicate, andexpand upon human intelligence. Our students and faculty areexplorers in a world where data becomes knowledge, andmachines become learners. Artificial Intelligence and MachineLearning are no longer just buzzwords; they are integral to everyaspect of our lives.

DR. R. SEETHARAMIAH
HOD, MECHANICAL

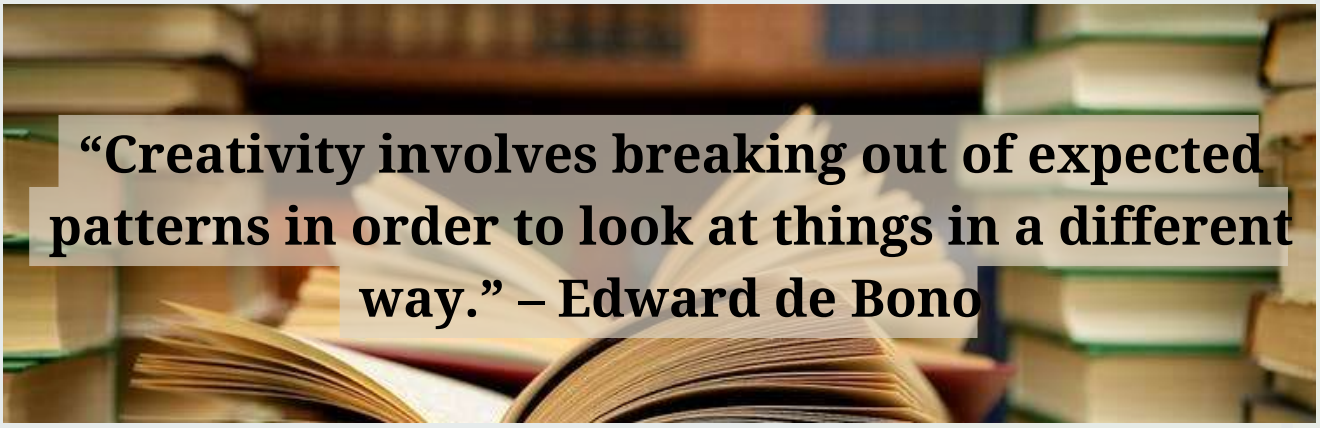
In the Mechanical Engineering Department, we fosterinnovation, curiosity, and precision. Our students and facultyare the architects of solutions that span industries, fromaerospace and automotive to energy and robotics. We are thedriving force behind the machines and systems that driveprogress. Our department is more than just classrooms andlaboratories. It's a community that thrives on collaboration andingenuity.

CHIEF EDITOR'S NOTE

Dear Esteemed Readers,

As we embark on another exciting edition of our newsletter, I am filled withimmense pride and enthusiasm to present to you the latest developments andinsightful contributions from the field of Electrical and Computer Engineering. Ourdedicated team has worked tirelessly to curate a collection of articles, research findings,and industry updates that reflect the cutting-edge advancements in ECE. In thisedition, we delve into emerging technologies, innovative research projects, and theimpactful work of our esteemed faculty and students. It is my sincere hope that thisnewsletter serves as a valuable resource, fostering a sense of connection and sharedknowledge within our vibrant ECE community. I extend my gratitude to all contributorsand encourage our readers to engage, question, and explore the exciting possibilitiesthat lie ahead in the ever-evolving landscape of Electrical and Computer Engineering.

Best Regards,
Dr. Ravishankar. C. V
Chief Editor
The Elite
Newsletter



EDITOR’S NOTE

"Welcome to the freshest instalment of our engineering college newsletter! Step into thethrilling realm of innovation and advancement, where we serve as your bridge. Oureditorial squad is wholeheartedly committed to delivering compelling narratives,remarkable accomplishments, and the latest in groundbreaking research from ourvibrant campus. We're a harmonious engine, propelling the triumph of this publication.Our pledge is to bring you the utmost in engineering brilliance. Keep an eye out, staymotivated, and remain linked with our vibrant community."

Dr. Ravishankar. C. V
Chief Coordinator
Dept. of ECE

Faculty coordinators:
: Prof. Saranya (CSE)
: Prof. Nithiya K (ECE)
: Prof. Nayana H R (Basic Science)
: Prof. Pankaja Manjunath (ISE)
: Prof. Ashwini (Civil)
: Dr. Yuvaraj (Mech)

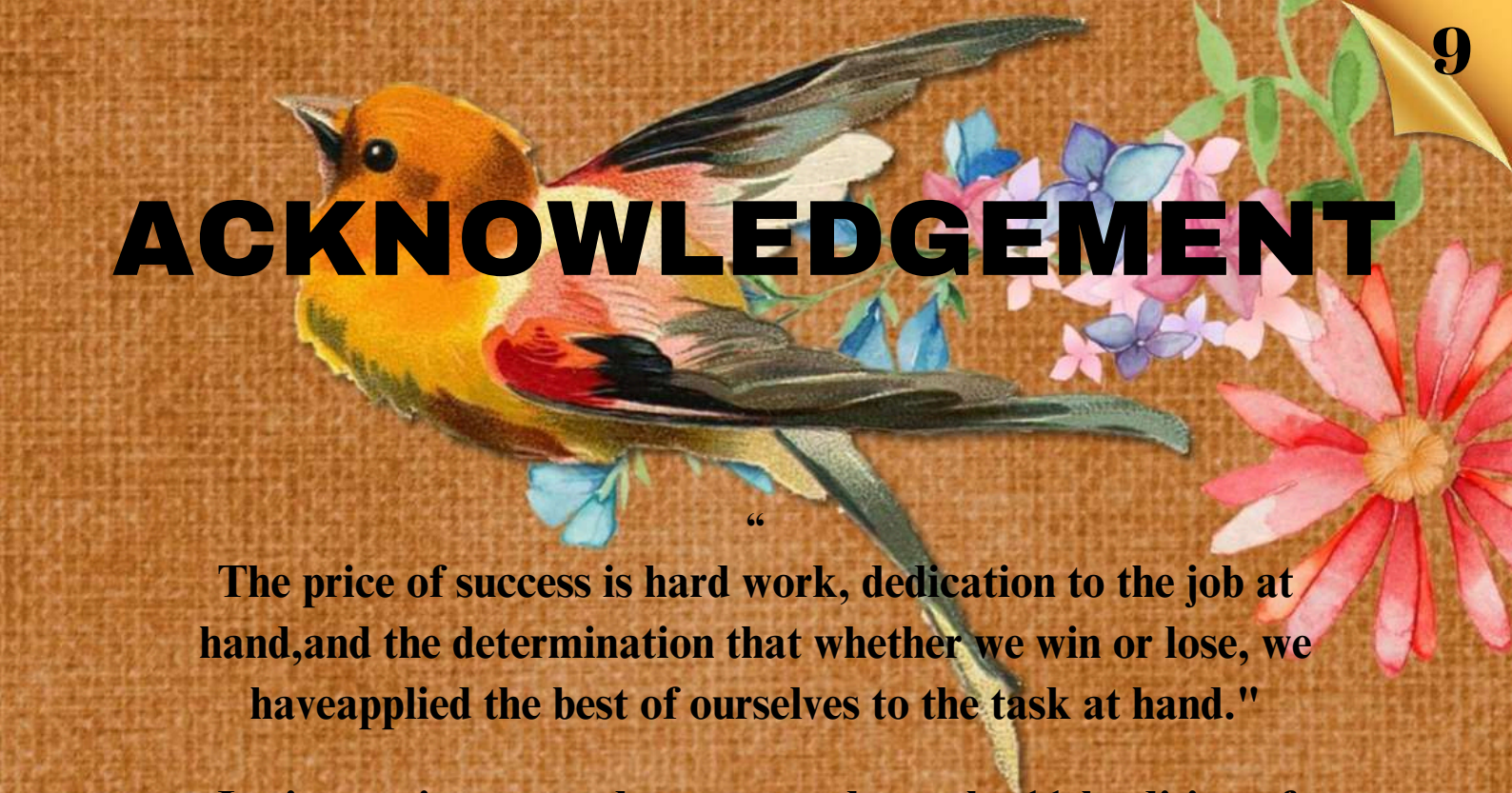
SONIYA KUMARI B.
7th Sem
Dept. of CSE

TEJAS P. M.
7th Sem
Dept. of CSE

RANGA KAVYA
5th Sem
Dept. of CSE

PRERNA SHIROL
5th Sem
Dept. of CSE

ACKNOWLEDGEMENT



“

The price of success is hard work, dedication to the job at hand,and the determination that whether we win or lose, we haveapplied the best of ourselves to the task at hand."

It gives us immense pleasure to release the 11th edition of theCollege Newsletter "The ELITE NEWSLETTER".

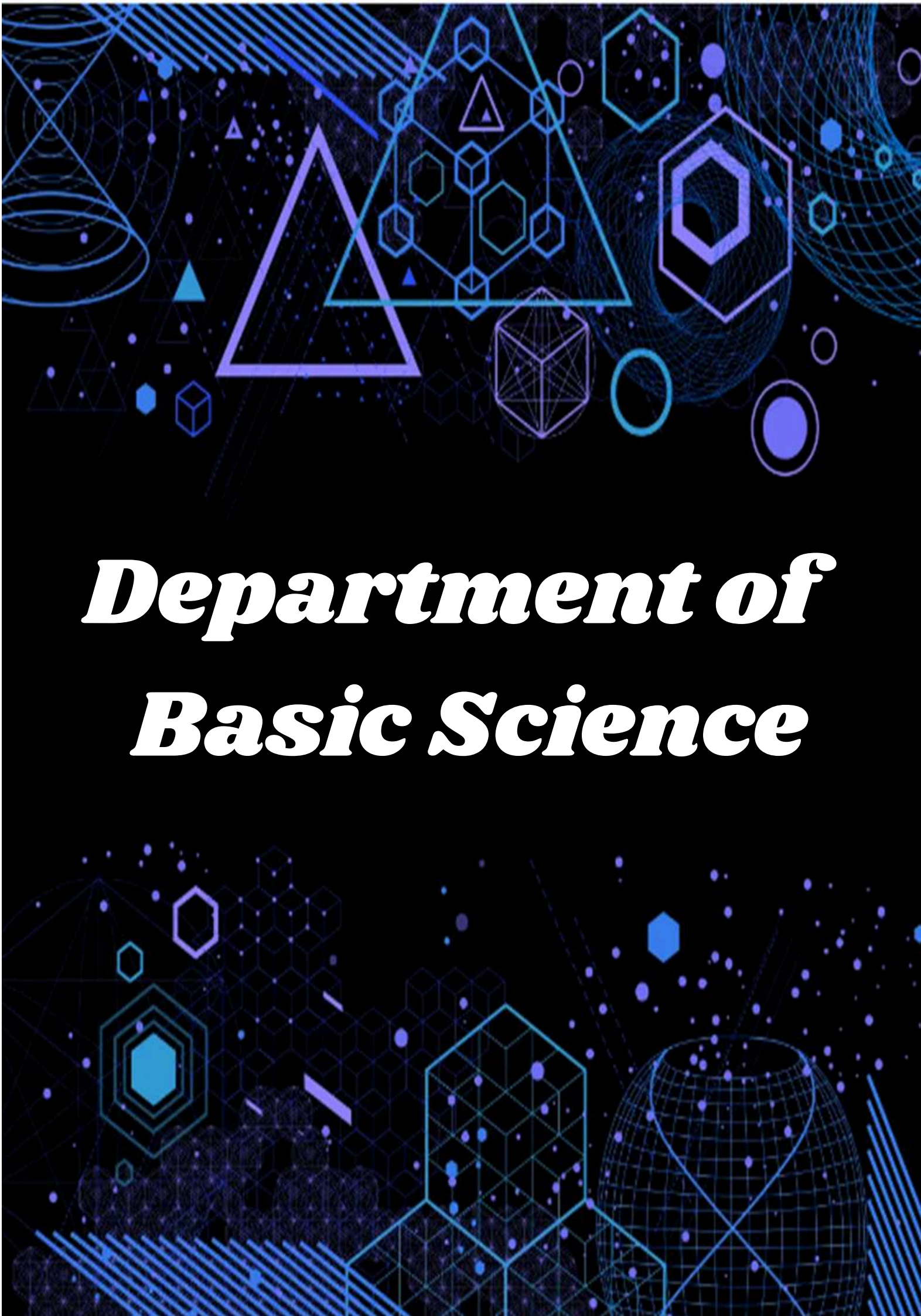
We would like to express our deep gratitude to Dr. V. Nagaraj, TheHonourable Chairman, The Dean Academics & The Dean Research,Dr. H. G. Chandrakanth, The Principal, Sambhram Institute ofTechnology, in bringing out this magazine.

We take pride in acknowledging the insightful guidance of Dr. Ravishankar. C. V, Head of the Department, ECE in making ofthe magazine. Of the many people who have been enormouslyhelpful in the production of the magazine, we are very grateful tothe forum coordinators Prof. Mallamma and Prof. Nithiya andstudents of Electronics & Communication Engineering andComputer Science & Engineering.

We would like to offer our special thanks to the faculty of CSE andECE. Their support, encouragement and credible ideas have beengreat contribution in the successful completion of this magazine.

PREFACE

The Sambhram Institute of Technology was established by a team ofexperts who are a perfect blend of industry and academia. The founders of thisInstitution and others, who are associated with us, are eminent educationists,distinguished personalities and philanthropic minded persons who have laid asolid foundation and are nurturing it to grow phenomenally. Withcommendable dedication, determination, optimistic and indomitable courage,the managing committee members have pledged to shape the institution to agigantic position in the near future. It was Established in 2001 with fourengineering branches namely Computer Science, Electronics &Communication, Information Science & Mechanical, today SalT offers 5 UnderGraduate Engineering programmes, 2 Master Degree programmes and 5Doctoral programmes and rated among top Engineering Institutions in theBangalore. Current annual student intake for Undergraduate Programmes &Post Graduate Programmes in Engineering is around 1200. SalT aims at anintegral training of students forming them into genuine persons with relevantskills, values and attributes in such a way that they are enabled to develop acareer sensitive to the challenging world of technological advancement and tolive for the prosperity of every human being. We cultivate the basic qualitiesamong students to build up a strong character and imbibe a sense of moral,ethical and spiritual values. Towards this end, we are imparting an integraltraining to transform students to genuine citizens for the prosperity of everyman and woman in our country. The Sambhram Institute of Technology iscommitted to create quality professionals to meet the emerging industrial andsocial needs through innovative teaching applied research, IndustrialInteraction, Placing faith in human values and aiming at continualimprovement in all activities. We strive to provide the quality education thatmeets the need and aspirations of the students, employers and society. Theinstitute aims to respond to all of these groups by providing curriculum andsupport which is necessary to enable the progression and to allow individuals togrow, develop and become universally accepted technocrat.


Department of
Basic Science

About theDepartment

DR. APPAJIGOWDA.C
HOD,
DEPT.OF MATHEMATICS

Mathematicsisatoolforallengineeringbranches.
I have a dedicated team in my department that striveshardtoupliftheimageofthedepartmentin particularandinstitutionatlarge.Oursistheonly departmentthatexcelspercentageofpasses.The department of mathematics aims at improving and building a firm foundation with all branches of engineering
I congratulate my team I look forward to do better. Mathematics is a queen of all sciences. The Department of Mathematics has well qualified, experiencedanddedicatedfacultymembers.Ourfocusistoproduce committedandpassionate engineersequippedwithmodernmathematical tools with strong understanding towards real worldand engineering problems.

The Kannada & Indian Constitution Department at SambhramInstituteofTechnologyisacornerstone ofculturalandlegaleducation.Professorshereare not only adept in imparting linguistic proficiency butalsoininstillingadeepunderstandingofIndia's constitutionalframework.
Students benefit from a diverse curriculum that coversbothlinguisticnuancesandlegalintricacies. Through this department, we aim to produce graduates who are not only proficient in Kannada but also well-versed in the fundamental principles ofIndianlawandgovernance.

MRS.SHANTALAPATIL
DEPT.OF BASIC SCIENCE

H.ARAVIND
DEPT.OF PHYSICS

The Physics Department at Sambhram Institute of Technology is a dynamic hub of scientific inquiry and exploration. Our accomplished faculty members bring a wealth of expertise and enthusiasm for the subject, creating a stimulating learningenvironment.
With state-of-the-art laboratories and a comprehensive curriculum, we strive to foster a deep understanding of the fundamental principles of physics. Through hands-on experiments and theoretical studies, we equip our students with the skills and knowledge necessary to excel in various scientific disciplines and contribute to cutting-edge research.

EnglishhasbeenregardedasthefirstglobalLingua Franca. It has become part and parcel of almost every existing field. We use it as the international language to communicate in many fields ranging from business to entertainment.
Manycountriesteachandencourageyoungstersto acquire English as a second language. Even in nations where English is not an official language, many science and engineering curriculum are written in English.
The English Language opens an ocean of career opportunities to those who speak this language anywhere in the world.
In the fast-evolving world, it is essential to have a commonlanguagethatwecanunderstandtomake the best use of the data and information available. As a result, the English Language has become a storehouse of various knowledge ranging from social to political fields.

MRS. SWARNA RUBEN
DEPT.OF BASIC SCIENCE

Dr. Madhu Rai
HOD.
Dept Of Chemistry

The Department of Chemistry at Sambhram Institute of Technology has been started functioning in the year 2001 and dedicated to the instruction, training and intellectual growth of undergraduates in all the fields of engineering aspects and graduates to carry out basic and applied research. The Department consists of five well qualified and experienced faculty members with PhD's and two non-teaching staff. The Department mainly focuses on the activity of teaching and learning of engineering chemistry and its laboratory courses to the under graduates of all disciplines

Dr. M.T. Swamy, a dedicated educator and accomplished researcher, holds a Ph.D. in Inorganic Chemistry from the University of Mysuru. His extensive academic journey has seen him in various leadership roles, currently serving as the Controller of Examinations (CoE) and Associate Professor at Sambhram Institute of Technology in Bengaluru.

Dr. M T Swamy
Dept Of Chemistry

Faculty Corner : Research Insight's

Dr Krishnamurthy , From Dept Of Chemistry

Completed Ph.D on Bio -Organic and sMedicinal Chemistry. Synthesis , Characterization , & Biological activities of N-Substituted pyrimidinone & Thiazole derivatives

Dr. Bhavana ,,From Dept Of Physics

Completed phD and their publications

Ph.D from Maharani science college for Women affiliated to Bangalore University
· Research in the field of Material characterization, Material synthesis, Multiferroics, Magnetoelectric composites, Film deposition
List of Publications
· Structural and Dielectric Properties of y(Cu(1-x)CoxFe2O4)+(1-y)PbZr0.58Ti0.42O3 Composites Bhavana H.V. and S.S. Bellad AIP Conference Proceedings, 2220 (2020) 020037
· Copper cobalt ferrite: Lead zirconium titanate layered thick Film Composites by screen printing method and Magnetoelectric properties Bhavana H.V., Shaik Sabira Begum, A.R. Vijayalakshmi and S.S. Bellad PRAMANA -Journal of physics, 95 (2021) 204

Asha A L , From Dept Of Mathematics

PhD persuing from REVA University

Heat and mass transfer analysis in the presence of a Maxwell nanofluid and a magnetic field apparently have been the subject of independent studies by a few researchers. In the course of my study, I am going to investigate the influence of a magnetic field on a Maxwell nanofluid moving through many different kinds of geometries and boundary conditions that are suitable to convection.

H S Aravind From Dept Of Physics

PhD persuing from University of Sedona, Arizona,USA.
Topic :Metaphysics

Faculties Conduction / Participation of FDP /

Conference / Technical Talks

Roselin Mary . J

o Webinar on Application of Complex Analysis.
o Online Workshop on Fuzzy set theory.
o FDP on Application of Mathematics in various fields with innovative approaches.
o FDP on teaching and Learning Pedagogy.
o FDP on Technical talk on Advanced Mathematics.

Nayana H.R

o Webinar on Application of Complex Analysis.
o Online Workshop on Fuzzy set theory.
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o FDP on Technical talk on Advanced Mathematics.

Dharani . B. Shetty

o Webinar on Application of Complex Analysis.
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Kalavathi .N

o Webinar on Application of Complex Analysis.
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Suhsmitha . B

o Webinar on Application of Complex Analysis.
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o FDP on Technical talk on Advanced Mathematics.

Asha A.L

o Online Workshop on Fuzzy set theory.
o FDP on Application of Mathematics in various fields with innovative approaches.
o FDP on teaching and Learning Pedagogy.
o Participated in IV International Conference on Recent trends in Applied and Computational Mathematics (ICRTACM-23) at Reva University ,on 30 & 31 October-2023.
o Refreshment course on Python Programming coding Skills.

Venkatesh M.G

o Webinar on Application of Complex Analysis.
o Online Workshop on Fuzzy set theory.

Bhavana H.V

o Research trends in Optical Communication & Bio photonics(RTOCB-2024).

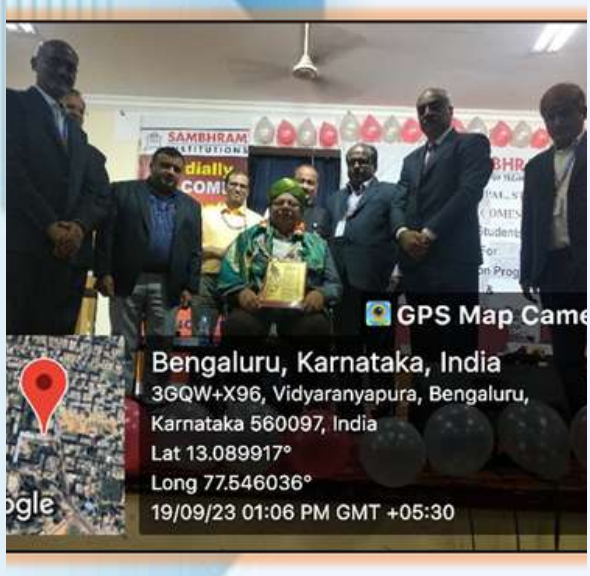
Induction program

Sl. No	Day	Date	Time	Event	Speakers
1	Tuesday	19/9/2023	10 am -1pm	Inauguration	
2	Wednesday	20/9/2023	10am-4pm	Cultural program and Ganesha Festival celebration	------
3	Thursday	21/9/2023	10am-1pm	Innovation and Design thinking (Comedkares)	Sujay Shetty's Team
			2pm-3pm	Universal human values	Prof.Manjula Hegde
			3pm-4pm	Web designing	Prof. Mallamma
4	Friday	22/9/2023	10am-12pm	Development of positive attitude towards improvement of life	RajayoginiBrahmakumari
			12pm-4pm	YOYO test	
5	Monday	25/9/2023	10am-11am	Success story of chandrayana-3	Dr. KV Prasad Dean Research
			11am-12pm	Cyber security issues and challengers	Mr. Raghunath Kulkarni, CISCO
			12pm-1pm	Motivational speech	Dr.John Peter HOD,CSE
			2pm-3pm	Universal human values	Prof.Manjula Hegde
			3pm-4pm	Cultural activities	Prof. Mallamma

6	Wednesday	27/9/2023	10am-1pm	Health and well, Emotional intelligence,Academic excellence, my nation my pride Indian knowledge system	Mrs,Rekha of Disha Bharat
			2pm-3pm	Universal human values	Prof. H Aravind
			3pm-4pm	Sports	Mr. Alok
7	Saturday	30/9/2023	10am-11am	Awareness on Cyber security	Dr.Sanjeetha R
			11am-12pm	Importance of Mathematics for engineering	Dr.Appaji Gowda C
			12pm-1pm	Motivational talk	Dr.Monica R Mundada,MSRIT
8	Tuesday	3/10/2023	10am-11am	VTU examination details	Dr. MT Swamy
			11am-1pm	Motivational talk	Dr. Swetha
			2am-4pm	VTU examination details	Dr. MT Swamy
9	Wednesday	4/10/2023	10am-11am	Motivational talk	Akshay
			11am-1pm	How to utilize engineering for better career	Dr.Ravishankar
			2pm-2:30pm	Celebration of Gandhi jayanthi	SAIT Faculty
			2:30pm-4pm	NSS and AICTE activity points and wild Karnataka Documentary Screening	Dr.Balakrishna

Day 1: 19/09/2023 : Session 1 (10am to 1pm)

Inauguration programme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Freshers Day

SAMBHRAM
INSTITUTIONS
Cordially
SAMBHRAM
INSTITUTE OF TECHNOLOGY
WELCOMES

Day 2: 20/09/2023 :Cultural program and Ganesha Festival celebration

On 20/09/2023, Sambhram institute of technology celebrated Ganesha festival and many cultural programmes including rangoli competition are conducted in the campus.

Ganesha

GPS Map Camera
Bengaluru, Karnataka, India
3GQW+Q9F, Vidyaranyapura, Bengaluru,
Karnataka 560097, India
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Long 77.546042°
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Google

GPS Map Camera
Bengaluru, Karnataka, India
3GQW+X96, Vidyaranyapura, Bengaluru, Karnataka 560097, India
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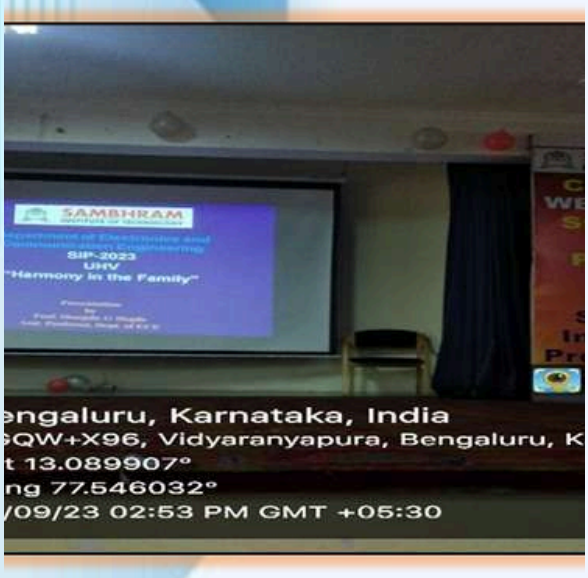
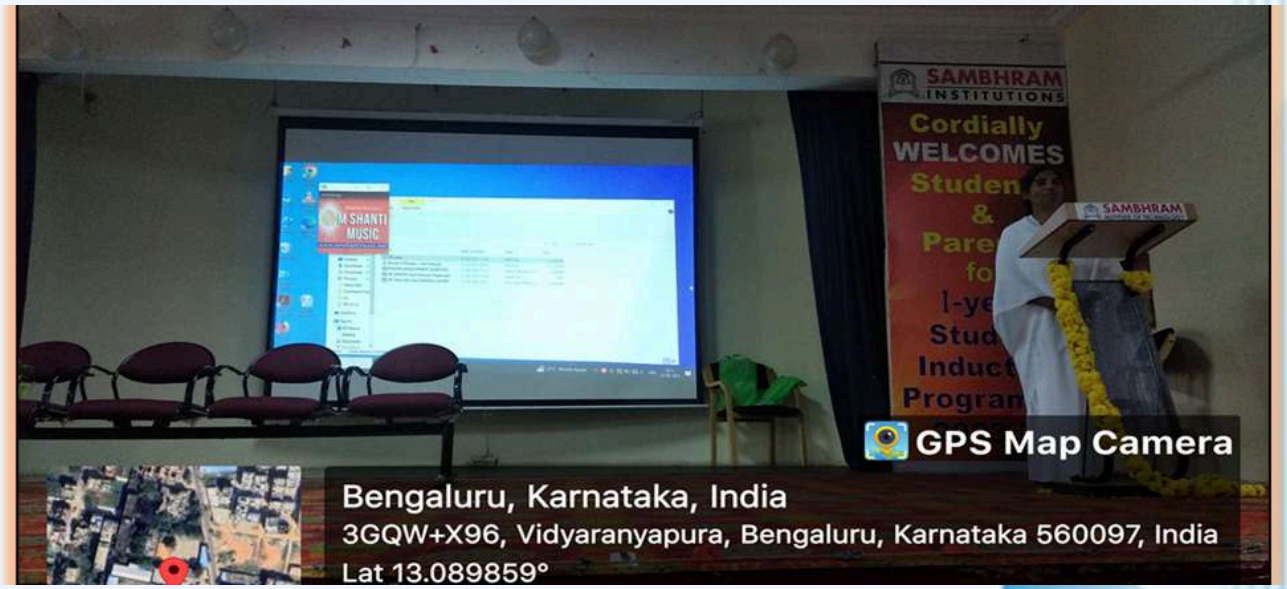
Session 2: 2pm-3pm
Universal human values by Prof.Manjula Hegde



Session 3:3pm-4pm
Web designing by Prof. Mallamma

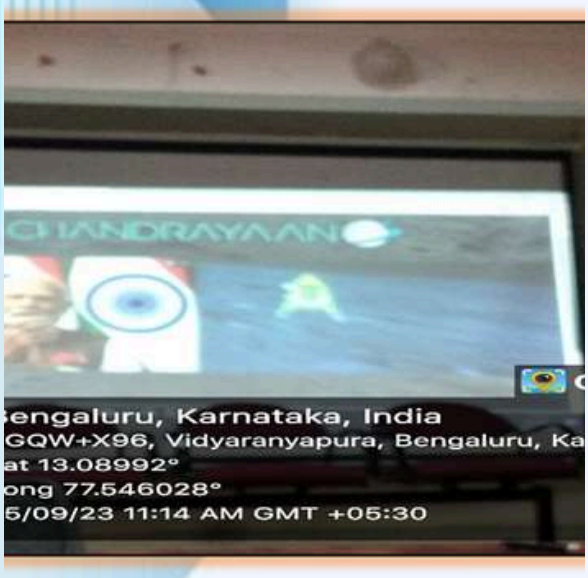
Day 4: 22/9/2023: Session 1 (10am to 12pm)
Development of positive attitude towards improvement of life by RajayoginiBrahmakumari Kavita



Session 2: 12pm-4pm : YOYO test

Day 5: 25/09/2023 : Session 1 (10am to 11am)

Success story of chandrayana-3 by Dr. KV Prasad, Dean Research, SAIT

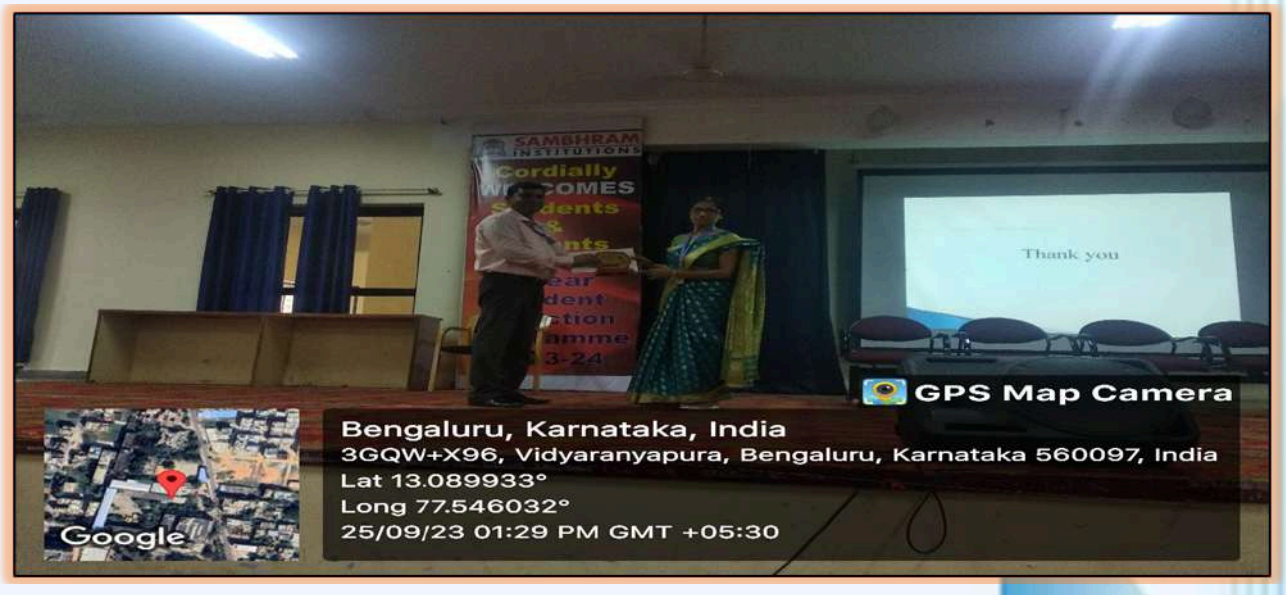


Session 2: 11am-12pm

Cyber security issues and challenges by Mr. Raghunath Kulkarni, CISCO

Session3: 12pm-1pm

Motivational speech by Dr.John Peter HOD,CSE



Session 4: 2pm-3pm

Universal human values byProf.Manjula Hegde

Session 5: 3pm-4pm

Cultural activities Prof. Mallamma

Day 6: 27/09/2023 : Session 1 (10am to 1pm)

Health and well, Emotional intelligence,Academic excellence, my nation my pride Indian knowledge system by Mrs,Rekha of Disha Bharat

Session 2: 2pm-3pm
Universal human values Prof. H Aravind

Session 3: 3pm-4pm
Sports activity

Day 7: 30/09/2023 : Session 1 (10am to 11am)
Awareness on Cyber security by Dr. Sanjeetha R

Session 2: 11am-12pm
Importance of Mathematics for engineering Dr.Appaji Gowda C

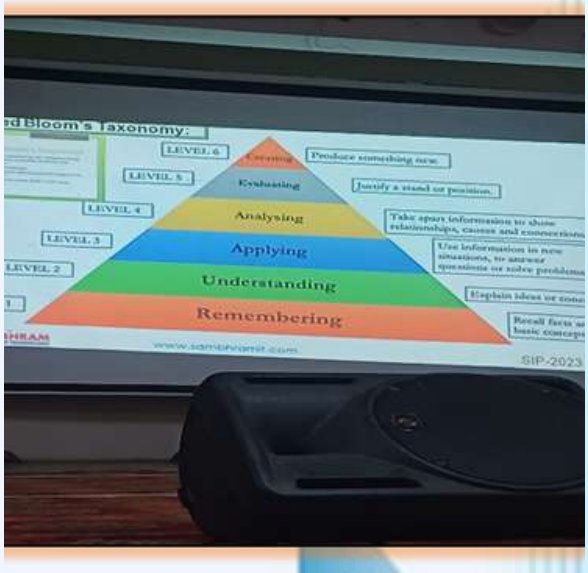
Session 3: 12pm-1pm
Motivational talk by Dr.Monica R Mundada,MSRIT

Day 8: 3/10/2023 : Session 1 (10am to 11am)
VTU examination details by Dr. MT Swamy

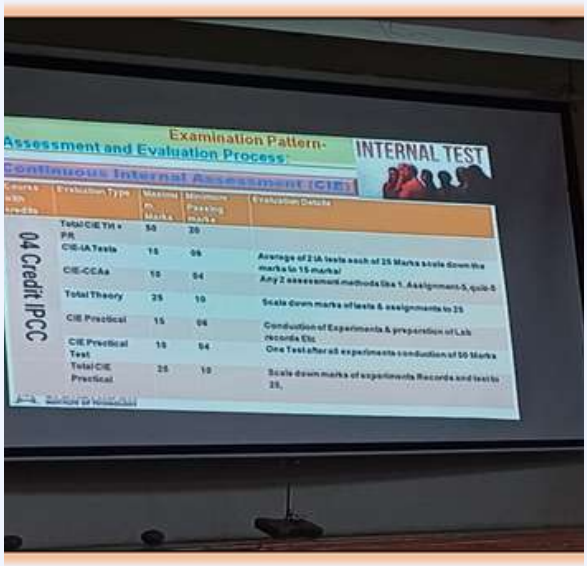
Session 2: 11am-12pm
Importance of Mathematics for engineering Dr.Appaji Gowda C

Session 3: 12pm-1pm
Motivational talk by Dr.Monica R Mundada,MSRIT

Session 2: 11am-1pm
Motivational talk by Dr. Swetha



Session 3: 2pm-4pm
VTU examination details by Dr. MT Swamy



Day 9: 4/10/2023 : Session 1 (10am to 11am)
Motivational talk by Akshay & Session 2: 11am-1pm
How to utilize engineering for better career by Dr.Ravishankar

Session 3: 2pm-3pm
Celebration of Gandhi jayanthiby SAIT Faculty:

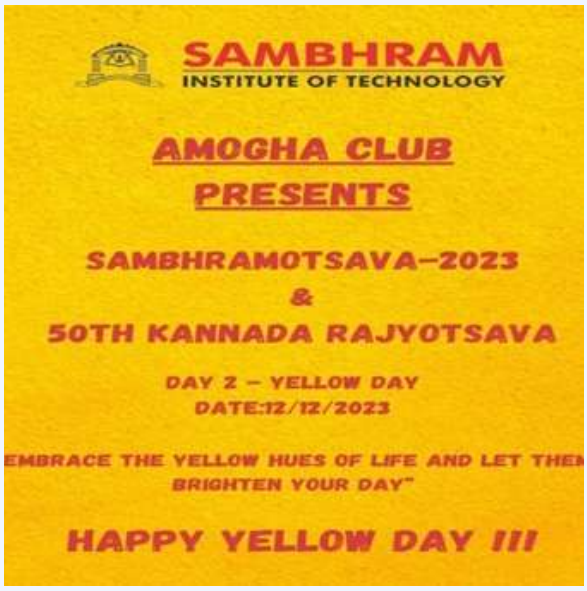
Teacher's Day

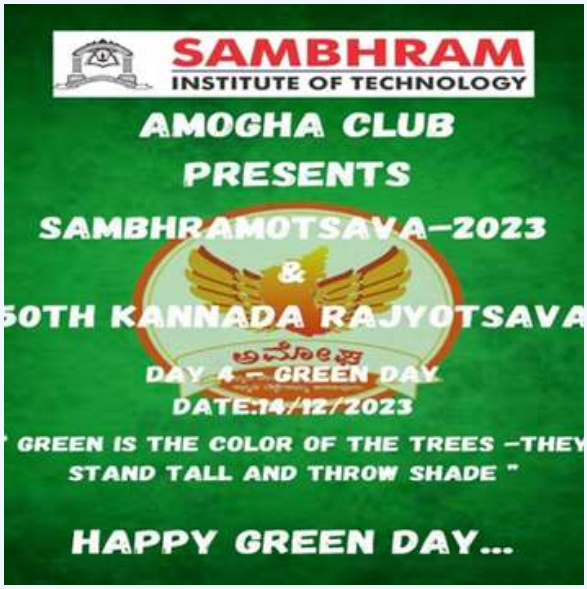
Best Teacher Award

"Teaching is a very noble profession that shapes the character, caliber, and future of an individual. If people remember me as a good teacher that will be the biggest honor for me." - A.P.J. Abdul Kalam.

H.S. Aravind
Dept. of Physics
Best Teacher award from Basic Science dept

Sambramotsava



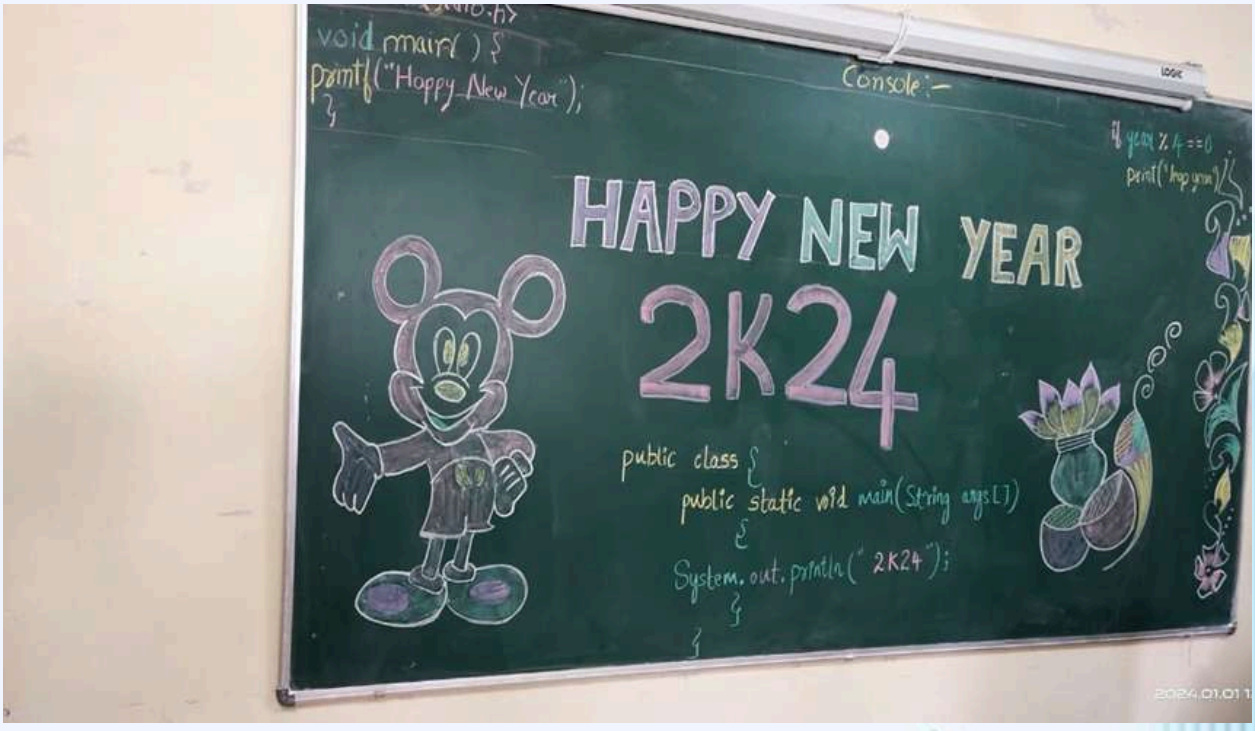


Sambramotsava

Ayudha Pooja
from
Basic Science dept

New Year Celebration

"The new year stands before us, like a chapter in a book, waiting to be written. We can help write that story by setting goals." —Melody Beattie

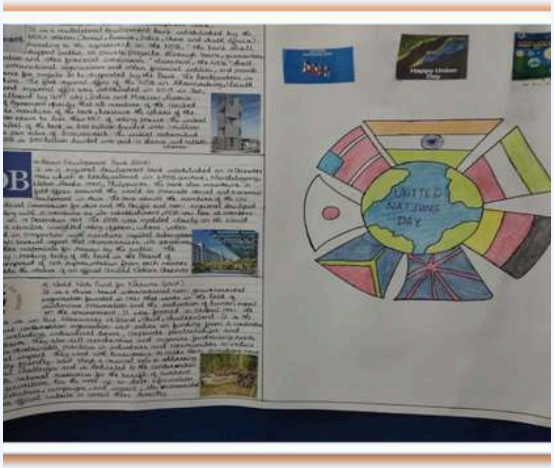


Student Spotlight : Celebrating achievements

Sridhar . J 1st yr student partcipated in Open Chess tournment

United Nation Day (und)

On October 24th each year, the world commemorates United Nations Day, an occasion to recognize the organization's contributions to international peace, diplomacy and development. Established in 1945, the United Nations has played a pivotal role in shaping the course of global affairs, serving as a forum for dialogue, a catalyst for cooperation, and a champion for human rights and sustainable development. In Sambhram institute of technology ,we have celebrated the United Nations Day with a vibrant opening ceremony in the presence of Dr.H G Chandrakanth Principal, Dr. KV Prasad, Dean Research and Dr. Shri Rangaraju, Dean Academics who were accompanied by faculties and students.



National Education Day

SAMBHRAM
INSTITUTE OF TECHNOLOGY
M.S.Palya, Hesarghatta road, via Jalahalli East, Bangalore-560097

Departments of Physics, Chemistry & Mathematics
INVITE YOU
for
NATIONAL EDUCATION DAY
Celebrations
ON
10-11-2023

Presided By
Dr. H.G. Chandrakanth
Principal, SaIT

Invited By

HOD	HOD	HOD
Department of Physics	Department of Mathematics	Department of Chemistry

PATRONS

Dr K.V. Prasad Dean-Research, SaIT	Dr. M. N. Sree Rangaraju Dean-Academics, SaIT	Dr. H.G. Chandrakanth Principal, SaIT
Mrs. Dhanya Nagraj Director, SGI	Mr. B. N. Nagaraj IPS (Retd.), CEO, SGI	Dr. V. Nagraj Chairman, SGI

Venue: C-110 **Date: 10-11-2023** **Timings: 2Pm -3Pm**

Article :"Unravelling the Mysteries of Physics"

Physics, the fundamental science that explores the workings of the universe, continues to captivate, and astound us. From the subatomic realm to the vast expanse of space, physicists tirelessly seek to understand the intricate laws governing our reality.

Recent breakthroughs have illuminated our understanding of phenomena like quantum entanglement, where particles remain connected regardless of distance, challenging our conventional notions of space and time. Moreover, advancements in cosmology have shed light on the enigmatic nature of dark matter and dark energy, which comprise most of the universe's mass-energy content.

In the realm of technology, innovations inspired by physics revolutionize our daily lives. Quantum computing promises unparalleled computational power, while advancements in materials science pave the way for next-generation electronics and renewable energy solutions.

As we delve deeper into the mysteries of the cosmos, each discovery brings us closer to unravel the secrets of the universe. Physics not only expands our knowledge but also fuels our imagination, inspiring wonder, and curiosity about the nature of existence itself.

By : Sudheendra
Dept of Physics

ARTICLE : Mathematics an Interdisciplinary Approach

• Many people tend to use the word interdisciplinary synonymous with multidisciplinary. But, interdisciplinary means a higher theme, which means blending more than one discipline in a right proportion.

• The dictionary meaning of the word is 'involving two or more academic, scientific or artistic disciplines'. It is not just the combination of two or more disciplines, but one discipline, which is facilitated by one or more disciplines.

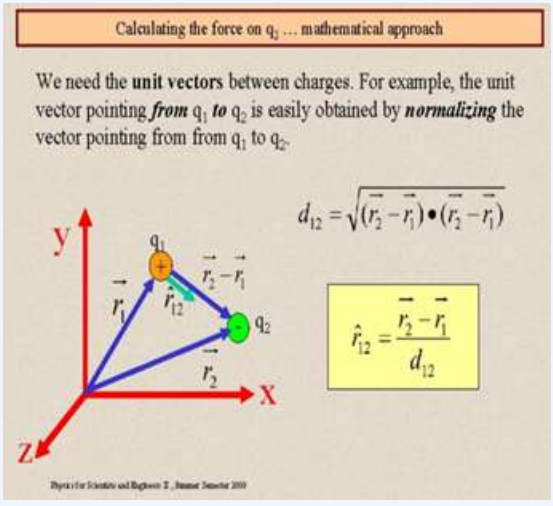
Need for Interdisciplinary Approach In Mathematics

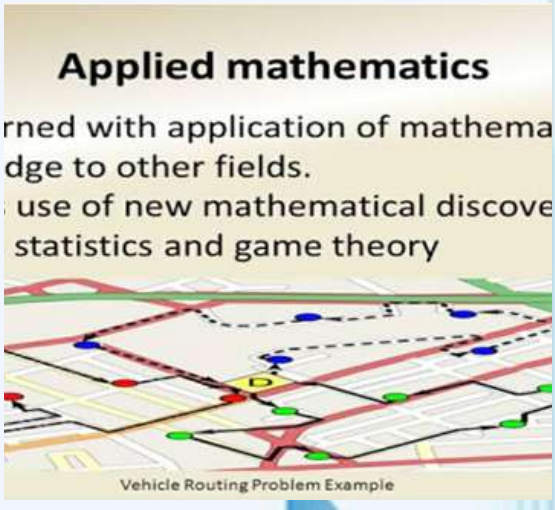
• Mathematics is the language of science, and is greatly utilized in industry and business. Mathematics gives us not only great power to solve difficult real world problems, but helps us to understand how the universe operates.

• It enhances our understanding of the most basic processes we encounter as inhabitants of this universe. It has been very well said that Mathematics is the Science of all Sciences and the Art of all Arts.

Mathematics , Physics and engineering

• Each rule and principle in Physics takes Mathematical form and Mathematics gives them their final shape
• All the measurements in Physics need Mathematics. The coefficient of linear expansion of different metals, cubical expansion of liquids, expansion of gases and conversion of scales are a few to mention.





BY : SUSHMITHA . B
DEPT OF MATHEMTAICS

Computer Science

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

AUGUST 2023 – JANUARY 2024

The Department of Computer Science and Engineering (CSE) has significantly evolved, aligning its academic programs with the fast-paced advancements in technology. Through a comprehensive and rigorous curriculum, students delve into the depths of information theory, algorithmic development, and computational paradigms, equipping them to solve real-world problems with innovative solutions. Extending beyond traditional programming and software development, the CSE program fosters interdisciplinary collaboration, urging students to explore connections with domains like artificial intelligence, machine learning, and cybersecurity.

Furthermore, CSE graduates become versatile problem solvers, possessing analytical and critical thinking skills essential for navigating today's digital complexities. The curriculum integrates experiential learning, project-based education, and industry internships, promoting both practical skills and theoretical knowledge. This holistic approach not only enhances technical proficiency but also develops teamwork, communication, and adaptability, which are critical in professional settings.

In addition, the CSE department promotes a culture of innovation and research, offering numerous opportunities for students and faculty to participate in cutting-edge projects and collaborative ventures. Leveraging modern facilities and partnerships with leading industry figures, students gain exposure to emerging technologies and best practices, preparing them to spearhead innovation and contribute significantly to society.

The demand for skilled Computer Science Engineers is soaring across various sectors, from major IT companies and startups to government bodies and research institutions.

The interdisciplinary nature of the field allows graduates to explore diverse career paths, such as software development, cybersecurity, data science, and robotics. As leaders in the digital revolution, CSE graduates play a vital role in shaping the future of technology, driving innovation, and tackling global challenges through tech-driven solutions.

Overall, the Department of Computer Science and Engineering stands as a center of innovation, nurturing the future technologists, entrepreneurs, and thought leaders who will push the boundaries of what is achievable in the digital age. With its comprehensive curriculum, research endeavours, and industry collaborations, the department continues to empower students to become agents of positive change, advancing technology and society. The focus on interdisciplinary learning and practical application ensures that graduates are well-equipped to meet the demands of a constantly evolving technological landscape and contribute meaningfully to the digital transformation across various industries.

PAPERS/ PATENTS PUBLISHED OR PRESENTED BY FACULTIES/ STUDENTS

1.Prof. Mallamma C G contributed to academic discourse by publishing a chapter titled "Smart Navigation Assistance System for the Visually Impaired" with Chapter ID "DPS08G8-17AU1RS1OCT30" in the IIP Book Series "IIPV3EBS08_G8 Futuristic Trends in IoT" under Volume 3, 2023, IIP Proceedings.

2. Prof. Anuradha U Published a chapter titled “Smart Navigation Assistance System for the Visually Impaired" with Chapter ID "DPS08G8-17AU1RS1OCT30" submitted to IIP Book Series "IIPV3EBS08_G8 Futuristic Trends in IOT" under Volume 3, 2023, IIP Proceedings.

3.Prof. Mallamma C G published a chapter titled “Networks, Technology, Security and Application in the Health sector for IOT enabled Smart Wearable:A Review” submitted to IIP Book Series "IIPV3EBS08_G7 Futuristic Trends in IOT" under Volume 3, 2023, IIP Proceedings.

4.Prof. Hanumantha Rao K. R. successfully obtained an Indian Patent titled "AN ALL-WEATHER PROTECTION FOR VEHICLES" with the application number 202311076368.

FACULTY ACHIEVEMENTS

1. Prof. Pooja M. V. was honoured with the Best Teacher Award 2023 during the Founder's Day celebration on 9th September 2023.

FACULTIES EVENT’S ORGANIZED / PIONEERED / PARTCIPATION HIGHLIGHTS

1.Dr. T John Peter delivered a talk titled "Become an Engineer Not Just An Engineering Graduate" as part of the Student Induction Program on 26th September 2023, emphasizing the importance of practical application, continuous learning, innovation, and the development of soft skills in engineering students.

2.Dr. K Balakrishnan took charge as the coordinator for the Ganesh Chathurthi celebration, which was held from 18th to 20th September 2023.

3.Prof. Mallamma C G played a key role in coordinating the Street Play by Students, which was organized on 11th September 2023, in observance of World Suicide Prevention Day. This event was part of the Aditya Birla Group initiative, marking the establishment of the SaIT-Student Mental Health Club.

4.Dr. K Balakrishnan and Prof. Mallamma C G served as the Coordinators for the Food Department during the Student Induction Program organized on 19th September 2023.

5.Faculties of Dept of CSE organized the Teachers' Day and Founder's Day event, held in commemoration of Founder's Day on 9th September 2023.

1. Dr. K Balakrishnan was part of the organizing team for the Blood Donation Camp held on 12th September 2023.

7.Prof. Mohanapriya M. attended a 5-day Faculty Development Program (FDP) focused on "Building Advanced Data Analytics Applications with Cloud" held from 11th to 15th September 2023.

8.Dr. K Balakrishnan delivered a talk on "AICTE Activity Points and NSS Activity" 1. as part of the Student Induction Program on 4th October 2023.

9.Dr. K Balakrishnan facilitated an Industrial Visit to Air Force Technical College, Jalahalli West, for the 7th-semester students on October 16, 2023.

10.Dr. K Balakrishnan organized the NSS Day celebrations on 27th October 2023 which included a variety of activities aimed at promoting social welfare and community engagement.

11.Dr. K. Balakrishnan and Prof. Mohanapriya M. participated in a 5-day National Level Faculty Development Program (FDP) titled "Internet of Things and its Applications" held at SJMIT, Bengaluru, from 16th to 20th October 2023.

12.Prof. Mohanapriya M. completed a 2-week Patent Course, evaluated by AICTE, conducted by Turnip Innovations from 19th October 2023 to 1st November 2023.

13.Dr. Asha S. R, Prof. Anuradha V, Prof. Mallamma C G and Mr. Darshan R participated in a 2-day National Level Symposium on "Bhartiya Traditional Sports, Yoga & Naturopathy" organized by HVPM- Indian Knowledge Systems (IKS) Center, held from 30th to 31st October 2023.

14. Dr. K Balakrishnan served as the coordinator for a one-week Skill Development Program (SDP) titled "Data Analytics and Python" conducted for 3rd-semester students. The program, held in association with VTricks Technologies, took place from 15th November 2023 to 22nd November 2023.

15. Dr. K Balakrishnan acted as the coordinator for a talk on "Hackathon and DSA" organized for 1st-semester students. The event, held in association with the OSCODE community, took place on 21st November 2023.

16.Dr. K. Balakrishnan participated in a 5-day Faculty Development Program (FDP) on “Building Advanced Data Analytics Applications with Cloud,” organized by Edunet Foundation from 31st October 2023 to 3rd November 2023.

17. Dr. K. Balakrishnan, Prof. Mohanapriya M., Prof. Anuradha U., and Prof. Hanumantha Rao K. R. participated in a 1-day workshop on “Innovation and Design Thinking in Data Processing using SAP,” organized by Oxford College of Engineering on 10th November 2023.

18. Dr. Asha S. R., Prof. Suvarna Hugar, Prof. Yashaswi R, Prof. Mohanapriya M., Prof. Anuradha U., and Prof. Anuradha V. participated in a 1-day Faculty Development Program (FDP) on “Research Symposium on Synergetic Innovations,” organized by RNSIT On 17th November 2023.

19.Dr. K Balakrishnan and Prof. Mallamma C. G. collaborated as coordinators for the Kannada Rajyotsava and Sambhramotsava 2023 events held on 22nd and 23rd December 2023

20.Professor Anuradha U. has authored three chapters in the book titled "Python Programming," which was published by Charulatha Publications on January 13, 2024

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21.Dr. K. Balakrishnan and Prof. Mallamma C. G served as the coordinators for the seminar on "IT Industry Revolution and Rise of Cloud Computing," held at R. Venkatesh Auditorium, SaIT, on January 19, 2024.

22.Faculties of Dept of CSE coordinated the "Voters Day Celebration" held on January 25, 2024, in the CSE Seminar Hall.

23.Dr. K. Balakrishnan participated in the "3 Days Workshop on Data Science for Healthcare Applications" organized by SRM College, Madurai, from January 22 to January 24, 2024.

24.Dr. K. Balakrishnan, Prof. Anuradha U., Prof. Jyothi S. S, and Prof. Giridhar Rao participated in the "5 Days FDP on Blockchain Technology" organized by Ramrao Adik Institute of Technology - D. Y Patil Deemed to be University, Bishop Heber College, and SR University in Collaboration with ExcelR Edtech Pvt. Ltd., held from January 8 to January 12, 2024.

STUDENTS METRIC ACTIVITIES EVENT CONDUCTED / PARTICIPATIONS

1 Final Year Students organized cultural events for first year students on account of Student Induction Program on 21st September 2023.

2.Additionally, they coordinated a Logo Design competition for first year students as part of the Student Induction Program on 25th September 2023.

3.Chandana and Heena Singh, both 7th-semester students, participated in the Verbattle Senior State Level Debate Competition held in Bengaluru on 25th and 27th September 2023.

4.Akhila Anant Gouda achieved FIRST PLACE in a swimming competition held at the Taluk Level in Sirsi, Uttara Kannada, on 19th November 2023.

5.Yathin Kumar M, Rudraksh n Raj, Naveen V, and Vikas M. G. showcased outstanding sportsmanship by securing top positions in the Intra-college Sports events. Yathin secured First place on both 16th and 17th November 2023, while Naveen and Vikas claimed First place on 17th November 2023 and Second place on 16th November 2023, respectively.

6. Pooja Kumari and Samrudhi Desai were part of the College Fashion Show team which secured 1st place in the Intercollege Cultural Fest organized by Cambridge institute of technology on 25th November 2023.

7.Nandini Yadav demonstrated exceptional talent and expertise by securing the 10th Rank in the KIMO Tech Competition. This competition, organized by Sambhram Institute of Technology on 28th November 2023, brought together participants from various institutions to showcase their skills and knowledge in technological innovation and problem-solving.

8.Surabhi participated in a singing competition organized by Sambhram Institute of Technology on 13th November 2023.

9. Jeevan S. participated in the State Level Sports Competition organized in Bangalore on 19th November 2023.

10.Prathviraj (1ST22CS154) achieved the First place in the Intra College Kabbadi Tournament.

11.Anmol Kumar (1ST21CS021) contributed as part of the organizing team for BMM, a National Level Event held in Bengaluru on 16th December 2023.

12.Students participated in the cultural competition as part of Sambhramotsava 2023 on 23rd December 2023.

13.Purab Modi (1ST22CS415) participated in the International Level Course on "Google Cybersecurity" held on January 28, 2024.

14.Navneetha Reddy (1ST22CS129) and Ranga Kavya (1ST22CS167) participated in "Code Red," a National Level Hackathon organized by BMSIT, Bengaluru, on January 13, 2024.

EVENTS /ACTIVITIES CONDUCTED BY DEPARTMENT

1.From 15th November 2023 to 22nd November 2023, a one-week Skill Development Program (SDP) on “Data Analytics and Python” was conducted for 3rd semester CSE students in association with VTricks Technologies.

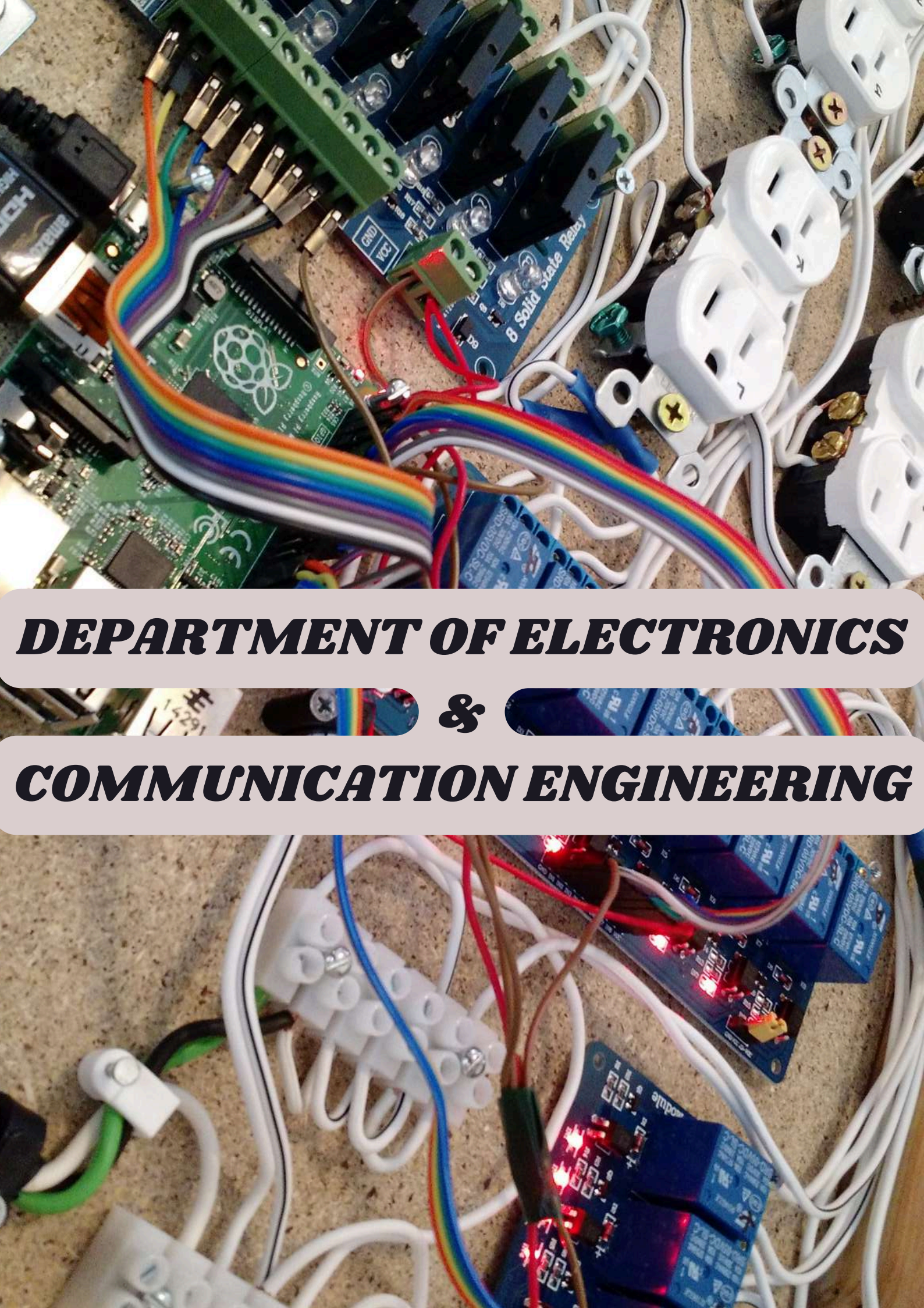
2.On 21st November 2023, a talk on “Hackathon and DSA” was organized for 1st semester students in association with the OSCODE community.

3.On January 19, 2024, the Department of Computer Science and Engineering (CDE Dept) conducted a seminar on "IT Industry Revolution and Rise of Cloud Computing" in the R. Venkatesh Auditorium.

PLACED STUDENTS –VIII SEMESTER

1.Ten students from CSE department were successfully placed in the ExcelR company as Full Stack Developers, with salary packages ranging from 2.8 LPA to 6 LPA.

2.Ten students from CSE secured internship positions at Byjus with a stipend equivalent to an annual package of 5.2 LPA.



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

The ECE (Electronics and Communication Engineering) department is a pivotal player in the realm of engineering and technology. It focuses on the conception, evolution, and practical application of electronic devices, systems, and communication networks. Including a mention of the ECE department in a newsletter holds substantial significance for several compelling reasons.

Firstly, the ECE department is at the forefront of driving innovation within the electronics and communication engineering field. A newsletter can serve as a platform to spotlight the cuttingedge research and developmental strides occurring within the department.

Moreover, the ECE department's relevance extends across a diverse spectrum of industries, encompassing telecommunications, information technology, aerospace, and defense, among others. By featuring the work being conducted within the ECE department, the newsletter can effectively demonstrate how the department's research and expertise address real-world issues and tackle contemporary challenges in these industries.

The ECE (Electronics and Communication Engineering) department is highly sought after by graduates due to its strong reputation in the job market. Mentioning the department in your newsletter can help attract potential students who are interested in pursuing a career in this field.

Additionally, it can promote the department's partnerships and collaborations with other university departments, industry partners, and government agencies. This exposure can lead to new opportunities and initiatives that benefit students and the broader community. Furthermore, featuring the ECE department in the newsletter can raise awareness of its research, expertise, and impact both within and beyond the university. It's worth noting that the department's final-year student projects consistently receive funding from organizations like KSCST and others, further demonstrating its excellence.

Ph D REGISTERED FACULTY DETAILS:

Prof S. Sowndeswari
(Completed Open seminar II).

Events Organized by ECE Department:

1. ERP software training was conducted for all ECE faculties on December 12, 2023, with the implementation of the DHI app.
2. ERP meeting was conducted on October 15, 2023, attended by all ECE faculties for training regarding ERP software.
3. Makeup examination duties were undertaken by Prof. Nithiya K, Prof. KhamerUnnisa, and Prof. Abishek on October 9, 2023.
4. AyudhPooja celebration in the Dept of ECE was held on October 21, 2023, attended by all ECE faculties.
5. An industry visit to Airforce, Jalahalli, Bangalore, was organized for VIIth-semester students on October 16, 2023.
6. World Students Day & Innovation Day celebration was organized on October 20, 2023, featuring a talk by Mr.Sampath Kumar HK, Cofounder of Evolve XR, and presentations on innovative ideas by students.
7. A one-month internship for IV sem students was conducted from October 25 to November 24, 2023, coordinated by Prof. S. Sowndeswari.
8. Various other activities including induction program, Gandhi Jayanthi Celebration, AyudhaPooja Celebration, NSS day celebration, and Newsletter editorial team photoshoot were organized by the department.
9. On August 4, 2023, a seminar titled "VLSI MOU and Technical Talk" was coordinated by Prof. Shilpa C, Assistant Professor in ECE, attended by ECE students from the 1st and 2nd years.
10. An MOU signing and technical talk event in collaboration with Karunadu Technologies and IETE was conducted on August 18, 2023, coordinated by Prof. Sowndeswari. It was attended by students from the IV and II semesters.
11. A one-week Value-added course inauguration on "Sensing, Automation & IOT using SST IOT Development Board" was held on August 28, 2023, convened by Dr. C.V. Ravishankar, HOD of ECE, and coordinated by Prof. ManjulaHegde. This event was attended by ECE and CSE IV Semester students.

Event Participation by ECE Department:

1. Prof. Nithiya participated in the Udaan Youth Club Tyodhi Quiz competitionaffiliated with NYK Baghpat and received a certificate.
2. Shahina attended the Staff Development Programme on Conduction of Result Analysis on January 30, 2024, at Sambhram Institute of Technology.
3. Prof. Nithiya participated in the Udaan Youth Club Tyodhi Quiz competition affiliated with NYK Baghpat on January 27, 2024, which was a national-level quiz.
4. 1.Sumamma B.N. also participated in the Staff Development Programme on Conduction of Result Analysis on January 30, 2024, at Sambhram Institute Of Technology.
5. 2.Dr.ShreeshaKalkoor hoisted the flag during the 75th Republic Day celebrations on January 26, 2024, at the SaIT campus.
6. 3.III & V Semester students participated in the National Youth Day celebration walkathon on January 12, 2024, in Yelankha New Town.
7. 1.All faculties attended the live telecast of the Ram Mandir Inauguration on January 22, 2024, at the SaIT conference hall.
8. 2.V Semester students participated in Social Connect & Responsibility - Heritage Walk Activities from January 19 to January 27.
9. All faculties attended the live telecast of the Ram Mandir Inauguration on January 22, 2024, at the SaIT conference hall.
10. V Semester students participated in Social Connect & Responsibility - Heritage Walk Activities from January 19 to January 27.
11. Faculty members participated in the "No Drugs Pledge" online event on December 28, 2023.
12. Various faculty members participated in the "Microsoft Suite Essentials for Office Administration" training organized by Avinashilingham Institute TN from December 14 to 16, 2023.
13. All ECE faculties participated in the inauguration of the Amogha club, which included a Flashmob and Tamate performance, on December 22, 2023.
14. Rehearsal for Sambhramotsava involved dance practice by VII semester students for a week.
15. V semester students participated in games such as Treasure Hunt during Sambhramotsava for three days.
16. Prof. Abishek and Prof. Bharath participated in a ramp walk event.
17. NSS day celebration was coordinated by Prof. AnupamaHongal offline at Venkatesh Auditorium on October 27, 2023.

18.ValmikiJayanthi celebration was coordinated by Prof. AnupamaHongal at the IT block, SaIT on November 12, 2023.
19.Students from V & VII semester participated in the Chandrayaan 3 Maha quiz online on October 25, 2023.
20.On October 17, a newsletter meeting was held to discuss the release of the newsletter for the odd semester, scheduled for November 4.
21.Prof. S. Sowndeswari participated in a 5day National level FDP on Internet of Things and its applications from October 16 to 20, 2023, at SJMIT, Chitradurga.
22.Prof. S. Sowndeswari participated in a session on Intellectual Property Rights and Practical aspects of patenting on October 7, 2023, at SaiVidhya Institute of Technology, Bangalore.
23. ECE faculties attended a Health Insurance Talk by AmitPatil M, Branch Manager of Star Health & Allied Insurance, on October 7, 2023, at the EDUSAT hall.
24. The ECE faculties participated in the World Mental Health Day celebration on October 10, 2023, featuring a talk by Ms.RuchitaUchil from Adhithya Birla Education Trust.
25. World Students Day & Innovation Day celebration was held on October 20, 2023, coordinated by Prof. S. Sowndeswari, Prof. V. Geetha, Prof. ManjulaHegde, and Prof. D.G. Abhishek, with a presentation on innovative ideas by students.
26. A placement training session was conducted from October 26 to November 5, 2023, for VII-semester students, coordinated by Prof. Bharath and Prof. Anupama.
27. The ECE faculty actively participated in Ganesh Chaturthi celebrations from September 18th to 20th, 2023, where a contribution of Rs. 500 was collected from staff and Rs. 200 from students.
28. Prof. Abishek DG and Prof. Bharath S participated in the Salesforce Platform Developer FDP held from September 11th to 15th, 2023, at BNM Institute.
29.ECE faculties participated in the DPITIPR chair at National Law University and Judicial Academy's online knowledge series.
30. All ECE faculties participated in Teachers' Day celebrations on September 5th and 9th, 2023, both within the department and in the auditorium.
31. Prof. S Sowndeswari served as a jury member in IDEATHON on September 4th,
2023.
32. Onam celebrations were conducted by all ECE faculties on September 2nd, 2023, at the SaIT Auditorium.
33. Faculty members attended the LLMOps platform-based AI hosted webinar on September 19, 2023, organized by Kdnuggets Management.

34.ECE faculties participated in the ACCS Design Challenge - ADC 2023 on September 4th, 2023.
35. Faculty members coordinated and participated in various other events such as World Suicide Prevention Day celebration, Founder Chairman remembrance, Ganesh festival, Ethnic Day, and more throughout September 2023.
36.The department conducted IA3 Test conduction for IV and II sem ECE students from September 7th to 9th, 2023.
37. Lab Internals were conducted for IV sem students on September 4th, 5th, and 14th, 2023.
38. Various vacation slots were managed and coordinated by different faculty members during September 2023.
39. Faculty and students participated in various activities such as webinars, FDPs, technical talks, and conferences throughout August 2023.
40. All faculties of the department registered for and completed the AICTE PARAKH selfassessment.

Achievements by Department Faculties

Dr.ShreeshaKalkoor M was recognized as an Editorial member of the Edwin group of journals in December 2023.

Prof. Sowndeswari S served as a reviewer for the IEEE International Conference ICMNWC-2023 held on December 4th & 5th.

Prof. K. Nithiya published an E-Book with the ASIN number B0CR79C8HX.

Prof. K. Nithiya's guided project titled "Mind Wheel EEG powered mobility" was shortlisted for the finals of ANVESHANA 2023.

Prof. K. Nithiya's guided project titled "Mind Wheel – EEG powered mobility" got selected for Anveshana finals, scheduled in February 2023.

Prof. S. Sowndeswari served as an Examiner for M.Tech Viva-VTU on October 20, 2023, at CMRIT, Bangalore.

Prof. K. Nithiya published a web article titled "Cybersecurity – The guardian of digital
transformation"

Prof. ManjulaHegde received the Best Teacher award on September 9, 2023.
Dr.Sapna M K participated in the FDP on RTL to GDS II using Cadence tools on August 17th and 18th, 2023.

Dr.Sapna M K served as a reviewer for the IEEE International Conference on Networks, Multimedia, and Information Technology in August 2023.

Prof. K. Nithiya achieved an E-Book publication based on "Prompt Engineering" with ASIN number B0CGNT53L6 on August 25, 2023.

Research Publications:

Various research projects were undertaken, including "Latest Trends and Challenges for Electrical Vehicles (EV) Technologies," and "Analysis of Path Loss Models on 5G Network
Technology in Urban and Rural Areas."

Research Projects:

Research projects including "Latest Trends And Challenges For Electrical Vehicles (EV) Technologies" and "Analysis of path loss models on 5G Network Technology in Urban and Rural Area" were applied for funding.

AICTE/NAAC/NBA Related Work:

1. NAAC-IQAC document verification was completed, and VTU affiliation approval letter for the related documents for 23-24 was received on December 28, 2023.
2. Various meetings and submissions related to NAAC criteria 2 and 7 were conducted, along with IQAC team inspection.
3. The draft for the ODD semester newsletter was completed and submitted during the Newsletter Meeting.
4. Activities related to NAAC criteria meetings, newsletter meetings, IQAC team inspection, and document submissions were conducted, focusing on Criteria 2 and Criteria 3.
5. Activities related to NAAC criteria meetings, newsletter release, IQAC team inspections, and document submissions were conducted, focusing on Criteria 2 and Criteria 3.
6. By categorizing these activities separately, it provides a comprehensive overview of the department's engagements and achievements in September 2023.
7. Meetings and document submissions related to NAAC criteria were conducted, including Criteria 1, 3, and 5, with teams verifying data and files for inspection

Student Placement Training Summary

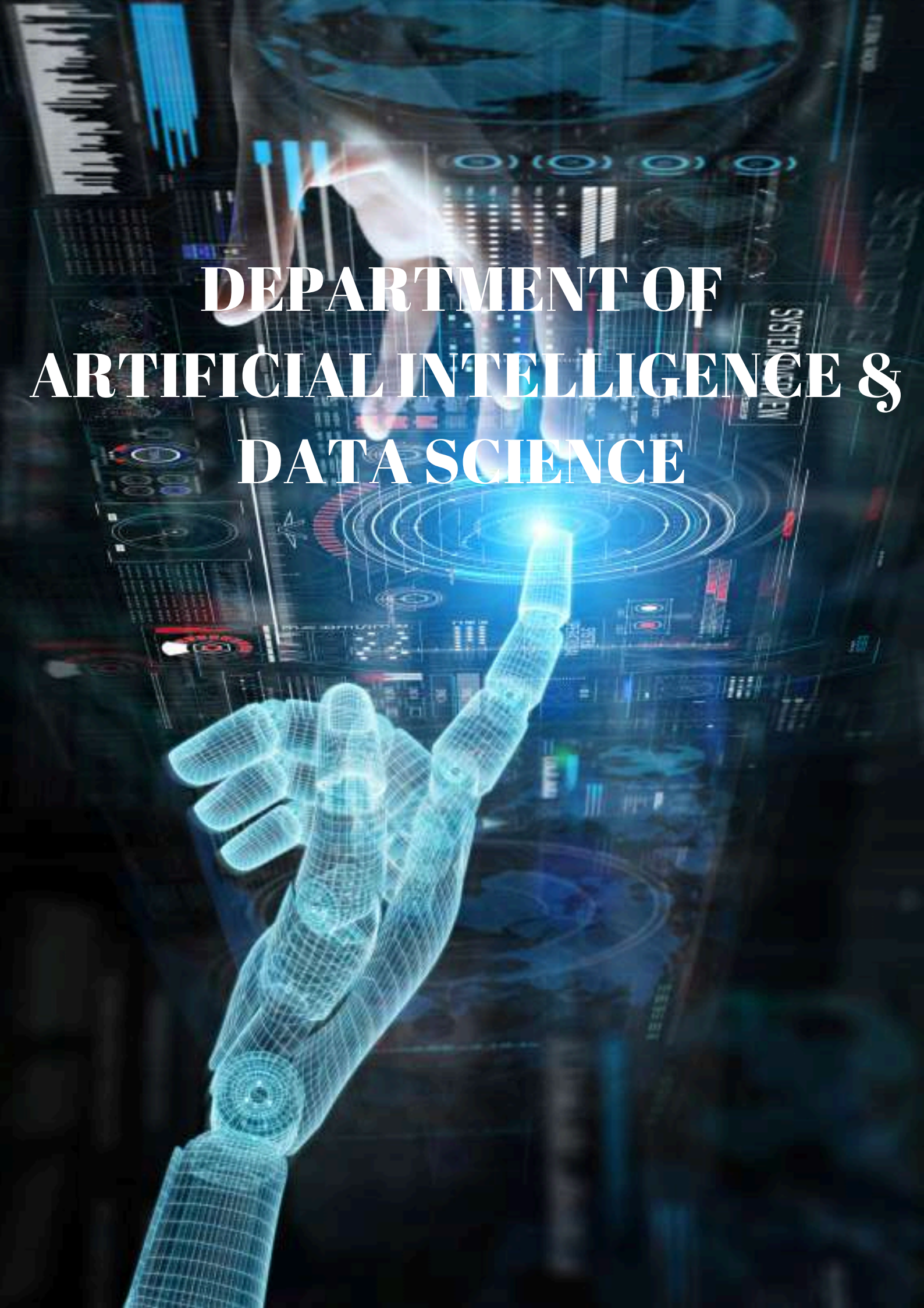
Placement training program is scheduled to begin from October 26th onwards

1. ExcelREdtech Pvt Ltd conducted placements on December 19, 2023, hiring 10 students with a package of 4 LPA.
2. Neeyamo conducted placements on
December 21st, 2023, hiring 10 students with a package of 4 LPA.
3. A placement training program is scheduled from October to November, with several companies conducting placement activities.
4. Delta X conducted placements on October 13, 2023, hiring 10 students with a package of 3 LPA.
5. Salesforce Workshop is scheduled on November 25th, where 10 students are expected to participate with a package of 3.3 LPA.
6. Juspay coding test is scheduled for November 14th, aiming to hire 10 students with a package of 3.6 LPA.

PLACED STUDENT DETAILS

Shashank from VIII semester ECE got selected by Byju's based on training and shortlisted byMphasis Employability skill training at 5.2LPA

Shashank
Got selected as BYJU's trainee



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

AUGUST 2023 – JAN 2024

The AI&DS (Artificial Intelligence and Data Science) Artificial Intelligence and Data Science are one of the many branches of science, engineering, and technology. Engineering in Artificial Intelligence and Data Science is a core technologies like Machine learning, Artificial Intelligence, Data warehouse, Data mining, Scripting language, Product development, Mathematical modelling. This course also gives importance to areas like big data analytics, fuzzy technologies, and artificial neural networks. It helps students in getting ready with skills to perform decisions that are based on data analysis. Through AI and DS courses, students will gain skills in areas like statistics, data scientists, machine learning, computer science, and logic. Artificial Intelligence is a part of Data Science. For its operations in the field of Data Science, Artificial Intelligence is used. Data Science is connected with Artificial Intelligence through machine learning.

Artificial Intelligence (AI) an interdisciplinary science with multiple approaches and Data Science (DS) is the field of study which encompasses various roles such as data analysts, decision scientists and business intelligence developers. As data is the main oil for every application, DS is helpful for students to draw meaningful insights from big data and acquire skill-sets to deal with numerous real time applications in this field. Since last decade, AI and DS witnessed tremendous growth and dramatic breakthrough innovations applied in almost every sector

Recently, new education reforms introduced AI learning right from school education. Successful MNCs like Google, Amazon, Face book, Flipkart, twitter etc. uses various AI and DS techniques to discover patterns and trends in user's data and behaviour. Various banking and financial companies uses AI and DS techniques for risk analysis, share market trends analysis, investment banking. The department has a strong prominence on

Science enables companies to understand gigantic data efficiently from multiple sources and derive valuable insights to make smarter data-driven decisions. Data Science is widely used in various industry domains, including marketing, healthcare, finance, banking, policy work, and more. Our institution provides students with a platform to improve their employment skills and also provide opportunities to work on consultancy projects and internships.

VISION

To encourage the inquisitiveness in a student and make him to understand the fundamentals of science to exploit for the development of new technology.

MISSION

To feed the engineer with fine aspects of science which make them to understand, exploit and innovate; leading to the technological advancement of future world.

FACULTY ATTENDED EVENT OFF-CAMPUS

Dr. B. Vani, HOD, Department of AI&DS has attended I-STEM's event "Samavesha" on Jan 16, 2024, Tuesday from 9am to 5pm at IISc Bengaluru. Indian Science, Technology and Engineering facilities Map (I-STEM) is a dynamic and interactive national portal, which hosts various scientific programs, initiated by office of the Principal Scientific Adviser, Govt. of India. The various verticals in this program are Links Indian finding agencies, Provide technical supports to all the academic institutions, national labs and strategic sector organization to list their R&D infrastructure, Support the researchers of Tier 2&3 academic institutions in conducting their research by providing technical and partial financial assistance. This is in line with the I-STEM theme " Linking Researchers and Resources".

OUTCOME OF THE EVENT

The I-STEM program has the potential to promote cooperation and collaboration among researchers, leading to outcomes beneficial to the growth of science, technology and innovation.

ACTIVITY and SKILL DEVELOPMENT PROGRAMS ORGANIZED BY AI&DS DEPARTMENT

. One week Skill Development Programme Python and Data Analytics" on 13-11-2023 to 3-11-2023.

PARTICIPANTS PHOTO

In "Samavesha" program Final Lucky Draw was done where our AI&DS department HOD Dr. B. Vani got a winning gift.

Skill Development training program on “Python and Data Analytics” is essential for the students of Department of CSE, AI&DS, AI&ML and ISE. The program provides the students with the necessary skill set which is required for job opportunities in future. It also helps the students in understanding of the theoretical concepts through the practical implementation. such programs enhance the cognitive abilities, critical thinking skills, and problem-solving capabilities of students. Training provided by Mr. Vinay H.Hartisa, Technical Director,Vtricks Technologies

PARTICIPANTS GROUP PHOTO

2. Seminar on “**Digital Engineering & Future Skill Prime**” In Association with NASSCOM on 19/1/2024 The National Association of Software and Service Companies is an Indian non-governmental trade association and advocacy group that primarily serves the Indian technology industry. Founded in 1988, NASSCOM operates as a nonprofit organization and serves as a key entity within the Indian technology sector.

OUTCOMES OF THE EVENT

CONTINUOUS LEARNING Curated content and curated learning pathways can enable a learner on a journey that can be undertaken at any time aid in the application. DEEP SKILLING Once the learners have discovered where their interests and aptitude lie, by exploring about each of the technologies, they can use the marketplace of training providers on Future Skills to go through a formal course with certification in their area of choice. GuestSpeaker1: MrSatish D V is a deputy director E & RD council Nasscom. He has rich experience of 15years in govt and skill education projects.

PARTICIPANTS PHOTOS

3. “Mastering the future: Exploring Careers in AI Security, Data Protection, and Cyber security” along with Dept. of ISE,AI-ML and CSE(CY).

A seminar on “Mastering The Future: Exploring Careers In AI Security, Data Protection, And Cybersecurity” was held at SAIT on 19/1/2024. Prof. Mamatha M delivered the Welcome address. Followed by the session by Mr Santosh Chaluvadi. The topic "Mastering The Future Exploring Careers In AI Security, Data Protection, And Cybersecurity" was extensively discussed in a one-hou session. Throughout the presentation, the audience was provided with an insightful overview of the rapidly evolving technological landscape and the paramount importance of security in the digital age.

Prof. Mamatha M, Dept. of AI-DS delivering welcome address

Seminar given by Mr. Santosh Chaluvadi

PARTICIPANTS PHOTO

SEMINAR'S AND ACTIVITY PROGRAMS ATTENDED BY FACULTIES

1. Participated in "The United Nations Day "celebrations, conducted by Basic Science Department on 3/11/2023 in SAIT by Dr. B. Vani HOD AI&DS and Prof. Mamatha.M.
2. Attended a Technical Talk on "Future of Connectivity: I Driven Hybrid Precoded Mssive MIMO systems". On 10/11/2023 in SAIT by Dr. B. Vani HOD AI&DS and Prof. Mamatha.M.
3. Attended Celebration of "Valmiki Jayanthi "at CSE Seminar Hall on 10/11/2023 in SAIT by by Dr. B. Vani HOD AI&DS and Prof. Mamatha.M.
4.Seminar on "Mastering the future: Exploring Careers in AI Security, Data Protection, and Cybersecurity" along with Dept. of ISE,AI-ML and CSE(CY) on 21-12-2023 in SAIT by Dr. B. Vani HOD AI&DS and Prof. Mamatha.M.
5. Attended a Talk on Cyber Security awareness Talk on the Occasion of International Computer Security Day on 5-12-2023 in SAIT by Dr. B. Vani HOD AI&DS and Prof. Mamatha.M.
6.Attended training Program for faculties on ERP Software on 1-12-2023 in SAITby Dr. B. Vani HOD AI&DS and Prof. Mamatha.M.
7.Co-ordinator in the event "The Entrepreneurial Mind Set and What it takes to be a Start up Founder"Orhanized by women cell on 29-12-2023 in SAIT by Dr. B. Vani HOD AI&DS and Prof. Mamatha.M

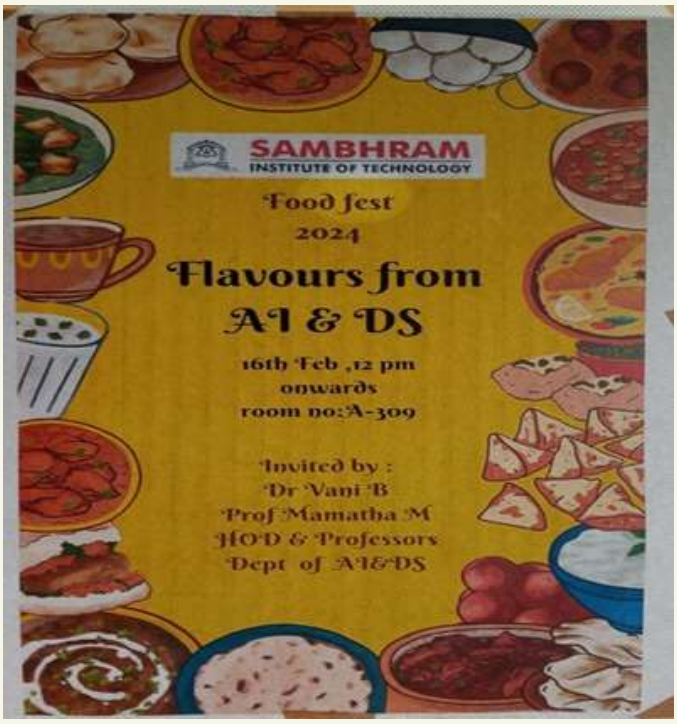
8.Co-ordinator for the event Sambhramotsava on 22/12/2023 and 23/12/2023 in SAIT by Mamatha **.M**

FACULTY DEVELOPMENT PROGRAM

1. Five days Faculty Development Program on Building Advanced Data Analytics Application with Cloud under Next Gen Employability Program from 8/1/2024 to 12/01/2024 by Prof Mamatha M

STUDENTS CORNER

1. Food Fest 2024 Flavours from AI&DS program organised on 16th Feb 2024 in SAIT invited by our AI&DS HOD Dr. B.Vani and Prof Mamatha. M.



FASHION SHOW IN CAMBRIDGE COLLEGE OF ENGG.) FROM OUR AI&DS DEPARTMENT,

1.SAIT our 2nd year student Sakshi (1ST22AD017) participated and received Certificate
2.Fashion Show in Cambridge College of Engg.) from our AI&DS Department, SAIT our 2nd year student Nishmitha Shetty (1ST22AD035) participated and received Certificate

PARTICIPANTS PHOTO

Certificate got by students for Fashion show Competition

DEPARTMENT OF CSE (Cyber Security)

AUGUST 2023-JANUARY 2024

The Department of Computer Science & Engineering (Cybersecurity) is established in the year 2022 with a sanctioned intake of 60 students. The department has well-experienced faculty with expertise in cybersecurity. It has state-of-art laboratories with licensed software and unlimited internet access.The Department conducts project competitions, hackathons, seminars, technical talks, and various other eventsto upgrade the skills of the students. Students get exposure to real-time projects, consultancy projects, and sponsored projects in the area of cybersecurity. Students are encouraged to become part of Professional societieslike IEEE, CSI, ISTE,etc. and participate in their events. Students are trained to conduct research and innovation in cybersecurity and publish research papers in reputed conferences and journals. Students will be placed in leadingnational and multinational companies based on their performance and merit. Students are encouraged to go for higherstudies and required guidance is provided by the department.

The Cybersecurity Department aims to empower current students with hands-on skills and ethical values, preparing them to protect our nation's digital realm with expertise and integrity.

FACULTIES EVENT'S ORGANIZED /PIONEERED/PARTCIPATION HIGHLIGHTS

Dr. Sanjeetha R

Organized the Event "World Religion Day" Under the Equal Opportunity Cell on January 24 2024.

- Organized the event "International Day of Education" along with Department of Library in association with Student chapters CSI,IEEE,ISTE &IETE on January 24 2024.
- Co-ordinated in the Pledge taking ceremony on the occasion of National Voters Day organized by NSS and Equal Opportunity Cell on January 25 2024.
- Co-ordinator for the seminar on"Digital Engineering" in association with ISE,AI&ML,AI&DS On 19January 2024.
- Conducted Seminar on "Mastering the future: Exploring Careers in AI Security, Data Protection, and Cybersecurity" along with Dept. of ISE,AI-ML and AI-DS on 21st December 2023.
- Organized 5 Days SDP program on Ethical Hacking and Cyber Security for 3rd sem CSE(Cyber Security) Students from 18th December to 22 December 2023,.
- Participated in the 54th Edition of Bridge'23 - Bengaluru (Building Human Capital, Accelerating Growth, Enabling Access) Organized by ICT Academy on 13 Dec 2023 at ITC Gardenia, Bengaluru.
- Organized and Delivered Talk on Cyber Security awareness Talk on the Ocassion of International Computer Security Day on 05th December 2023.
- Reviewed Research paper for the Third IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE-2024) during 26th & 27th April 2024 in association IEEE Bangalore Section conducted by Ballari Institute of Technology and Management, Ballari, Karnataka
- Reviewed research papers for the Mysore Subsection Flagship International Conference. Mysurucon 2023.
- Reviewed research papers for Third IEEE International Conference on Mobile Networks and Wireless Communications ICMNWC-2023

- Co-ordinator for the event “Navigating the UPSC civil services exams roadmap to success on 23rd November 2023
- Co-ordinator for the event National Entrepreneurs Day "Bring your Ideas to Life" on 24thNovember 2023,
- Feedback given in the month of September 2023 was accepted by VTU and corrections were made accordingly in the scheme and syllabus for the 2022 batch BE students
- Completed online Course on “Introduction to Cybersecurity” by CISCO Networking Academy on 29 october 2023
- Reviewed research papers for IEEE International Conference on Advanced Networks and Telecommunications Systems (IEEE ANTS) to be held at Jaipur, India.
- Reviewer for International Conference on Evolutionary Algorithms and Soft Computing Techniques (EASCT-2023) organized by R V Institute of Technology and Management, Bengaluru
- Co-ordinated our Institute Student’s Participation in Smart India Hackathon 2023
- Arranged resource person Mr. Sampath Kumar H K, Co-founder, Evolve XR for a talk on "XR Unleashed: Navigating The Realities of Virtual, Augmented and Mixed Worlds" on the occasion of “World Students day" and "Innovation Day"
- Delivered a session on “Cybersecurity Awareness” on during the Student Induction Program for first year students held at Sambhram Institute of Technology on 30th September 2023,.
- Arranged for a Technical talk by Mr. Raghunath Kulkarni, CISCO, Cybersecurity Expert, for the Student Induction Program on “Cybersecurity Challenges and Issues” on 25th September 2023.
- Conducted Hackathon Awareness event on 27thSeptember 2023.
- Coordinator for Library Day event on 7th September 2023,
- Sent feedback mail for CSE(Cyber Security) scheme and syllabus to VTU, in response to its request to give feedback on the draft syllabus framed for III and IV semester of 2022 batch BE Students on 30th September 2023,
- Chapter titled "Domestic Water Supply Monitoring and Theft Identification System " with ID "DPS8G2-30JLPP15-RSAU17-7 "submitted to IIP Book Series "IIPV3EBS08_G8 Futuristic Trends in IOT " under Volume 3,2023, IIP Proceedings is accepted for publication.
- Reviewer for AICTE Sponsored IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON) organized at Nitte Meenakshi Institute of
- Technology, Bengaluru INDIA in association with IEEE Bangalore Section. Multimedia and Information Technology (NMITCON) organized at Nitte Meenakshi Institute of
- Technology, Bengaluru INDIA in association with IEEE Bangalore Section
- Co-ordinated Self-Assessment and Institute Assessment of students in AICTE PARAKH Portal
- Applied for AICTE Training And Learning (ATAL) Academy FDP in the month of August for an amount of Rs.3,50,000
- Attended a session on Designing Course Outcomes and Outcomes-focused Questions
- Reviewer for IEEE INDISCON-2023 organized by IEEE Mysore Subsection at GSSS Institute of Engineering & Technology for Women, in association with IEEE India Council and IEEE Bangalore Section.from 5th August-7th August 2023

Prof. Snehal Rathi

- Co-ordinator in the Pledge taking ceremony on the occasion of National Voters Day organized by NSS and Equal Opportunity Cell on 25th January 2024
- Co-ordinator for the event “International Day of Education” along with Department of Library in association with Student chapters CSI,IEEE,ISTE & IETE on 24th January 2024.
- Co-ordinator in the organization of 5 Days SDP program on Ethical Hacking and Cyber Security from 18th December to 22 December 2023
- Workedin organizing committee for event for
- National Entrepreneurs Day"Bring your Ideas to Life"on 23rd November 2023,
- Attended One day FDP Program On Incident Management in Cyber Security(BCY358B) on Organized by BGSCET,Bengaluru in association with VTU on 23 November 2023 at BGSCET,Bengaluru

Prof.Bhagyashree Hosmani

- Co-ordinator for the event “World Religion Day” under the Equal Opportunity Cell on 24th January 2024,
- Co-ordinator in the event “The Entrepreneurial Mind Set and What it takes to be a Start up Founder”Orhanized by women cell on 29th December 2023.
- Co-ordinator for the event Sambhramotsava organized from 22 December 2023 and 23 December 2023
- Co-ordinator in the organization of 5 Days SDP program on Ethical Hacking and Cyber Security
- Attended One day FDP Program On Incident Management in Cyber Security(BCY358B) on Organized by BGSCET,Bengaluru in association with VTU on 23 November 2023 at BGSCET,Bengaluru
- Attended Three-Day FDP Program on Digital Design and Computer Organization(BCS302) Organized by ISE department of Atria Institute of Technology from 7th November to 9th November at Atria Institute of Technology,Bangalore
- Participated in Chandrayan-3 Maha Quiz on 26th October 2023

FACULTIES CONDUCTION OF /FDP/ CONFERENCE/ TECHNICAL TALK/ PATENTS/ ACHIEVEMENTS

1.Dr. Sanjeetha R and Prof. Bhagyashree Hosmani Organized the Event “World Religion Day” Under the Equal Opportunity Cell on 24th January 2024,.

2.Dr. Sanjeetha R and Prof.Snehal Rathi Organized the event “International Day of Education” along with Department of Library in association with Student chapters CSI,IEEE,ISTE & IETE on 24th January 2024,

3.Dr. Sanjeetha R Seminar on” Digital Engineering” in association with ISE, AI&ML, AI&DS on 19th January 2024.

4.Dr. Sanjeetha R Conducted Seminar on “Mastering the future: Exploring Careers in AI Security, Data Protection, and Cybersecurity” along with Dept. of ISE,AI-ML and AI-DS on 21st December 2023.

5.Dr. Sanjeetha R, Prof.Snehal Rathi and Prof. Bhagyashree Hosmani Organized 5 Days SDP program on Ethical Hacking and Cyber Security for 3rd sem CSE(Cyber Security) Students from . 18th December to 22nd December 2023

6.Dr. Sanjeetha R Organized and Delivered Talk on Cyber Security awareness Talk on the Ocassion of International Computer Security Day on 05th December 2023,

7.Dr. Sanjeetha R Co-ordinated our Institute Student's Participation in Smart India Hackathon 2023 in October 2023

8.Dr. Sanjeetha R Arranged resource person Mr. Sampath Kumar H K, Co-founder, Evolve XR for a talk on "XR Unleashed: Navigating The Realities of Virtual, Augmented and Mixed Worlds" on the occasion of
"World Students day" and "Innovation Day on 20th October 2023.

9.Dr.Sanjeetha R Delivered a session on "Cybersecurity Awareness" on during the Student Induction Program for first year students held at Sambhram Institute of Technology on 30th September 2023.

10.Dr.Sanjeetha R Conducted Hackathon Awareness event on 27th September 2023.

11.Dr.Sanjeetha R Arranged for a Technical talk by Mr. Raghunath Kulkarni, CISCO, Cybersecurity Expert, for the Student Induction Program on "Cybersecurity Challenges and Issues on 25th September 2023

12.Dr.Sanjeetha R Organized Book Donation Drive from 4th to 7th September 2023.

13.Dr.Sanjeetha R Co-ordinated Self-Assessment and Institute Assessment of students in AICTE PARAKH Portal.

STUDENTSMETRICACTIVITIES EVENT CONDUCTED / PARTICIPATIONS

1.Thanish P,second year student of CSE(Cyber Security) delivered a talk on the Importance of Education on the occasion of International Day of Education on 24th January 2024.

2.Anagha M Hebbar, Hema S, Keerthi,Komal Singh R Abhishek Metre. Delivered Talk on Importance of Various Religions on the Occasion of World Religion Day on 24th January 2024.

3.Students Participated in the Pledge taking ceremony on the occasion of National Voters Day organized by NSS on 25th January 2024 SaIT

4.Harsh Raj Chauhan second year student of CSE(Cyber Security) completed online course on Foundation of Cybersecurity on 27th January 2024

5.Second year students completed online course on Binary Tree-Data Structure

6.Atik Khan, Second year student completed online course on Java Programming for beginners A-Z Java Fundamentals on 30th December 2023

7.Atik Khan Second year student completed online course on Workshop on business intelligence using power bi on 16th and 17th December 2023.

8.Atik Khan Second year student completed online Workshop on POWERPOINT USING AI AND CHATGPT on 23rd December 2023

9.Atik Khan Second year student completed Workshop on CHATGPT and AI tools.

10.Abhishek B Metre Second year student completed online course on Cybersecurity Threats.

11.Abhishek B Metre Second year student completed online course on Introduction to Ethical Hacking

12.Madhav, Second year student completed online course on Types of Cyber Security

13.Second year students completed Online Course on Linux Tutorial in Great Learning Platform.

14.Second year students completed Online Course on Data Structures in C in Great Learning Platform.

15.Second year students participated in SDP on Ethical Hacking and Cyber Security

16.Second year students completed Online Course on Introduction to Cyber Security-CISCO

17.Second year students completed Online Course on Cyber Threat Management-CISCO

18.Second year students completed Online Course on Online Course on OOPS with java

19.Madhihally Arun Kumar Tarun,second year student completed online course on Python 101 for Data Science

20. K Chandrakanth,Deepika P,second year students, Completed online Course on "Introduction to Cybersecurity" by CISCO Networking Academy.

21.Students of second year Participated in Chandrayan-3 Maha Quiz

22.Ashwini B and Archana S R,second year students completed Online Course "Introduction to Cloud Computing" on SkillUP platform on 15th September 2023 and online course on C for Beginners" on Great Learning Platform on 4th September 2023 .

23. Students of second year Completed Institute given Assessment in AICTE – PARAKH portal.

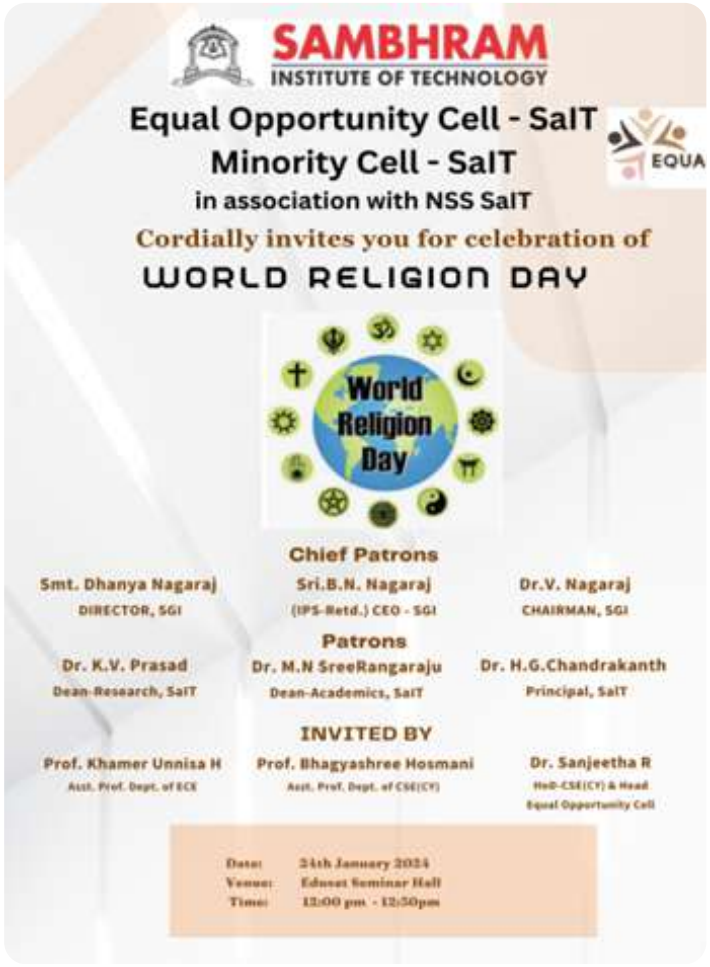
24.Ashwini B,Archana S R,Vinay H P,Harish D, Madhihally Arun Kumar Tarun,K Chandrakanth,Sinchana N M Attended online Webinar on "Navigating the world intellectual Property Rights" on 18th August 2023

25.Naveen T S second year student completed Online Course on Completed online course on " C for Beginners" on Great Learning Academy Platform

Fig: Students taking pledge to vote on the occasion of National Voters Day

EVENTS/ACTIVITIES CONDUCTED BY DEPARTMENT

1.On 25th January 2024 Pledge taking ceremony was organized on the occasion of National Voters Day organized by NSS and Equal Opportunity Cell



2.On 24th January 2024 World Religion Day" was organized Under the Equal Opportunity Cell.

Fig: : Dr. Sanjeetha R HoD, Dept. of CSE(Cyber Security) delivering welcome address.

- On 24th January 2024, Organized the event “International Day of Education” along with Department of Library in association with Student chapters CSI,IEEE,ISTE & IETE

Fig: Thanish Prabhakar from 3rd Sem Dept. of CSE (Cyber Security) giving a speech on importance of education.

- On 21st December 2023 Conducted Seminar on “Mastering the future: Exploring Careers in AI Security, Data Protection, and Cybersecurity” along with Dept. of ISE,AI-ML and AI-DS

Fig: Seminar given by Mr. Santosh Chaluvadi

Fig: : Dr. Sanjeetha R HoD, Dept. of CSE(Cyber Security) delivering welcome address.

- .Organized 5 Days SDP program on Ethical Hacking and Cyber Security for 3rd sem CSE(Cyber Security) Students

Fig: Distribution of Participation Certificates to students Training Program on 18th December 2023

Fig: Day 1 Inauguration of the Skill Development

.

Fig: Conduction of the Skill Development Training Program

5.On 5th December 2023 Organized and Delivered Talk on Cyber Security awareness Talk on the Ocassion of International Computer Security Day.

Fig: Dr. Sanjeetha. R delivering the talk on Cyber Security Awareness.

Fig: Dr. Sanjeetha. R, Head of Equal opportunity cell delivering the Welcome address.

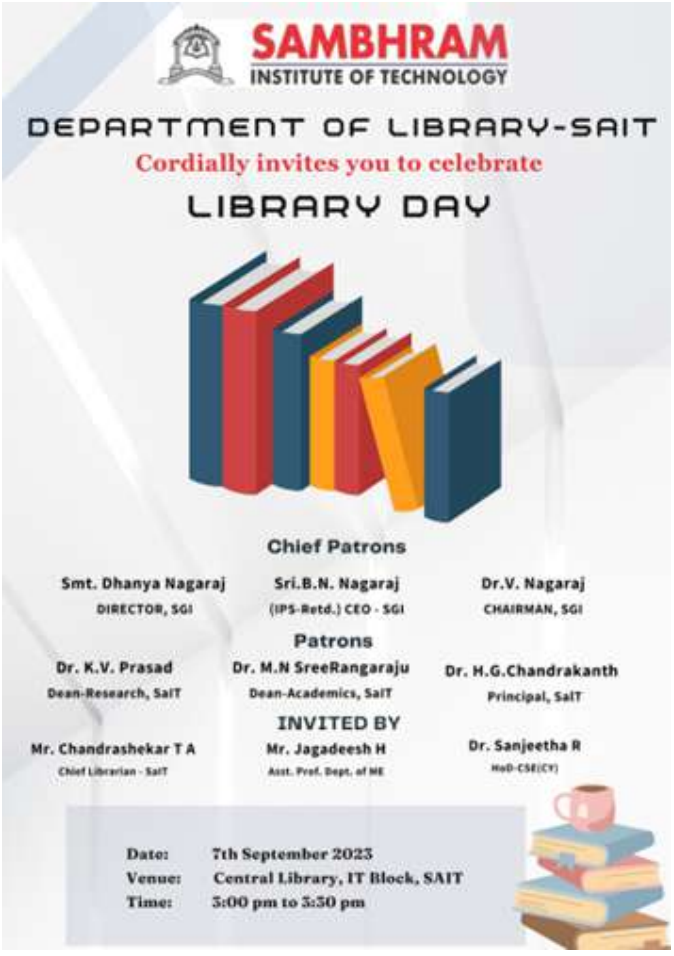
Fig: Mr. Vaibhav Kumar Jain delivering the session

6.Co-ordinated the event "Navigating the UPSC civl services exams roadmap to success on 23rd November 2023

7.On 27th September 2023, Conducted HackathonAwareness event

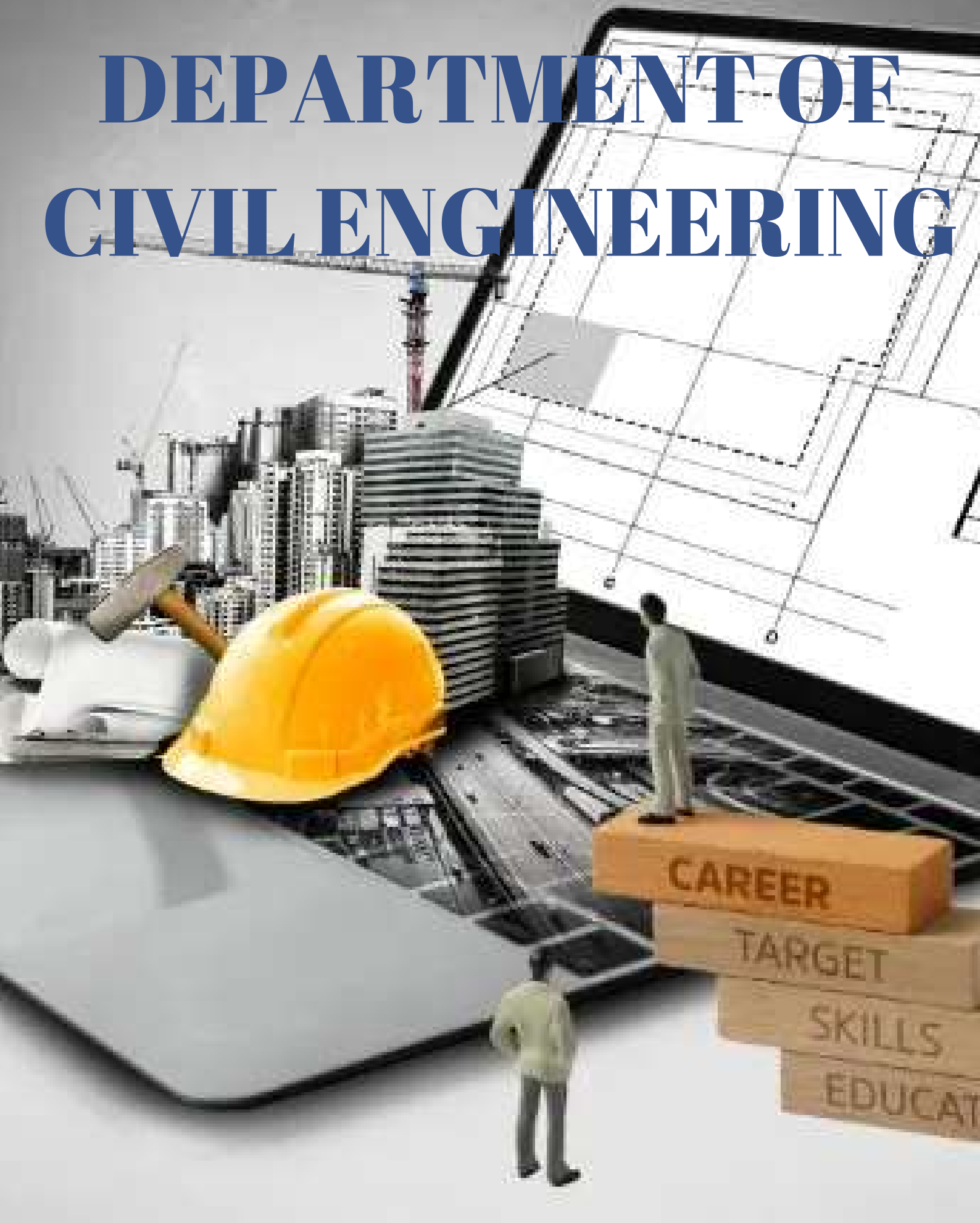
Fig:Hackathon awareness event

Fig:Library Day Celebration



8.On September 7 2023 Coordinated for Library Day event.

DEPARTMENT OF CIVIL ENGINEERING



SEPTEMBER 2023 TO DECEMBER 2023

Civil engineering is a field of engineering that plays a vital role in shaping and enhancing the world we live in. It involves the design, construction, and maintenance of infrastructure and structures, ranging from bridges, roads, and buildings to dams, airports, and water supply systems.

Civil engineering is of immense significance as it forms the backbone of modern society, providing the essential infrastructure that supports economic, social, and environmental development. It ensures the safety and functionality of structures, contributing to the well- being of communities and the efficient movement of people and goods.

Additionally, civil engineers are at the forefront of addressing contemporary challenges, such as sustainable and environmentally friendly construction, disaster resilience, and urban planning to accommodate growing populations. With its multidisciplinary nature and continuous evolution, civil engineering remains a cornerstone of modern civilization, making it a field of great importance and impact.

Civil engineering is a dynamic field that continually adapts to the changing needs of society. Its significance extends to ensuring public safety, as civil engineers design structures to withstand various environmental and structural stresses. They also play a crucial role in addressing environmental concerns, focusing on sustainability and reducing the environmental impact of infrastructure projects.

The need for professionals with a background of Civil engineering is always on the rise. Those with problem solving skills are the ones in demand. Professionals with these skills are sure to land up with successful career in the years to come. The department of Civil Engineering of the SaIT is providing the opportunity for the students to develop a firm foundation in Science and Technology. I believe that the opportunities for the students in the campus should lead to an appreciation of the holistic development of an individual. And finally, the objective is to encourage our students for having passion towards the course and desire to continue to learn

-Dr.Mallikarjun HOD Civil

Message from the editorial board

As the Editor of a Civil Department newsletter, Please let me start by conveying my regard to the entire civil engineering faculty members who supported me for making this happen. This News-letter mirrors the vision and mission of Civil Engineering Department. It also highlights the events activities and achievements. I do hope that this newsletter will encourage many more students to come forward and express their talent and creativity. In order To keep the readers widely interested and updated we will off course continue the tradition of communicating the significant events and activities of Civil Department. I would like to thank (HOD, Civil) for the continuous Motivation, inputs and time to time Feedback for the final draft.

EDITORIAL BOARD :

FACULTY: Mrs Ashwini (Assistant Professor)

STUDENT: Deekshita Devraj Reddy
Neetish Kumar

Department Faculties Details / Ph.D updates

1.Prof. Vsantha D (Completed course work**)**

2. Prof. Monica. M. S (Completed)

3. Prof. Akshata. Mulgund (Working on paper publishing and report submission)

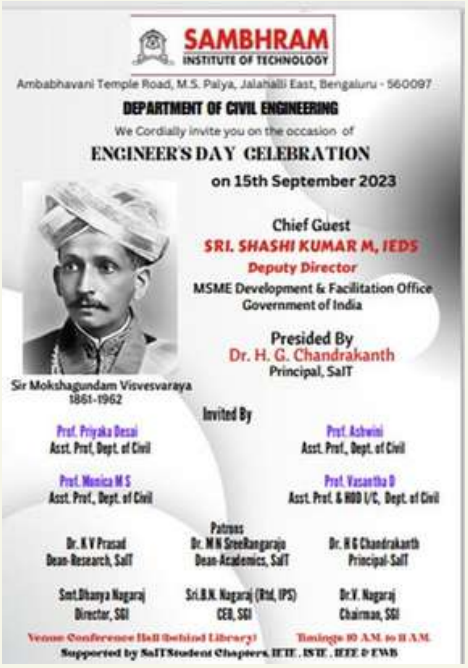
4.Prof. Priyanka desai

PARTICIPATION BY FACULTY & STUDENTS IN ACADEMIC /SPORTS/CULTURAL EVENTS

1. Teacher's Day & Founder's Day This day is celebrated on 09.09.2023, in Conference Hall and all faculties attended the event Prof.Monica M S awarded with Best teacher from civil engineering department

2. Suicide Prevention Day- Mental Health Club In order to aware the students about the suicidal thoughts in our college suicide prevention day was conducted by mental health club of Sambhram institute of technology on 11.09.2023, near Dolphin and the Prof.Monica M S from our department co ordinate the event ,all other faculties and students participated in the event

3. Engineer's Day Engineers day celebrated on 15.09.2023, in Conference Hall all the faculties co ordinate from the department of civil engineering and other department faculties and HOD"S attended the event .



4. Ganesha Festival 18.09.2023, near Dolphin

6. Elocution Competition 12.09.2023, Edusat room

Student from civil department participated in the event

7. World Mental Health Day20.10.2023, CSE Seminar Hall

6.Technical Talk on 'The Mission Chandrayana'13.09.2023, Edusat room

SAMBHRAM
INSTITUTE OF TECHNOLOGY

Institution's Innovation Council (IIC) - SaIT

In Association with

Student Chapters of SaIT

IETE, IEEE, ISTE & EWB

Cordially Invites You to

Talk

on

"The Mission Chandrayana"

By

Dr. K. V. Prasad

on

13th September - 2023

Invited by

Dr. Shrinivas Rao — Dr. Padmini B V

Patrons

Dr. K.V. Prasad — Dr. Srirangaraju. M.N. — Dr. H.G. Chandrakanth

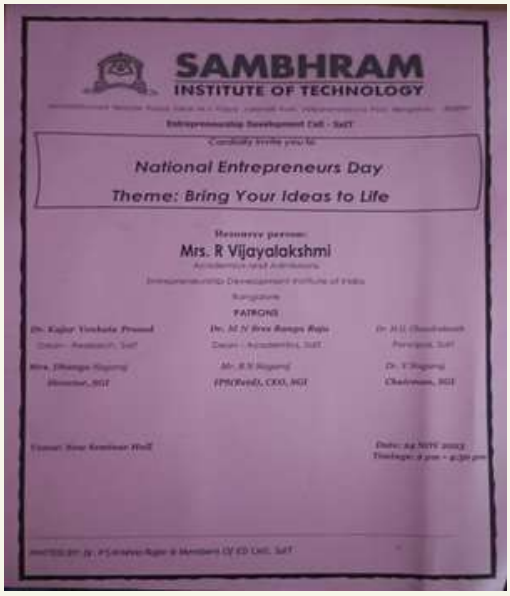
Mrs. Dhanya Nagaraj — Mr. B.N. Nagaraj — Dr. V. Nagaraj

Venue: EDUSAT Room. Timings: 11 AM

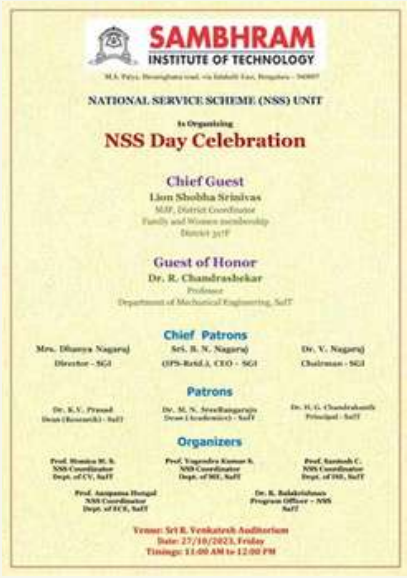
8. Ayudha Pooja21.10.2023, BMT Lab

9. World Students Day and Innovation Day20.10.2023, Conference Hall

11. National Entrepreneurs day-EDC cell 24th November, SaIT,B'lore.

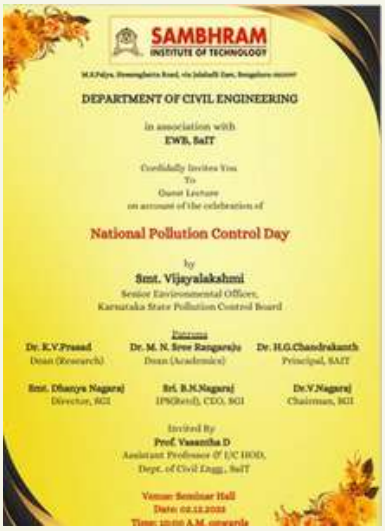


10. NSS day celebration 27.10.2023, Auditorium



12. Muncipalika 2023 organized by Govt. of India , HUDCO 29th November, Palace ground, B'lore

13. National Pollution Control day 02.12.2023



14 Industry Visit @ BMRCL, Yelahanka 26.12.2023

15. Three Days workshop on Sketch Up by JNANA InfoTech 20th &22nd December 2023

SC/ST CELL

SAIT – SC/ST STUDENTS FORUM CELL

The SC/ST Forum Cell in an engineering college plays a crucial role in promoting inclusivity and addressing the unique challenges faced by students from Scheduled Castes (SC) and Scheduled Tribes (ST) backgrounds. This cell serves as a support system, ensuring that these students have equal opportunities to thrive academically and socially within the college environment.

One of the primary objectives of the SC/ST Forum Cell is to create a conducive atmosphere for SC and ST students, fostering a sense of belonging and security. It acts as a liaison between the administration and these students, addressing any issues they may encounter, such as discrimination, prejudice, or other forms of social inequality. By providing a platform for open communication, the cell helps build a more inclusive campus culture.

Academic support is a key focus of the SC/ST Forum Cell. It strives to bridge the gap in educational resources by offering mentorship programs, tutoring, and workshops tailored to the specific needs of SC and ST students. This ensures that they receive the necessary guidance to excel in their studies, promoting equal access to educational opportunities.

Additionally, the cell collaborates with the college administration to implement affirmative action policies, such as reservations and scholarships, which are designed to uplift SC and ST students economically and academically. These measures contribute to a more equitable distribution of resources and opportunities, enabling students from marginalized communities to pursue and complete their engineering education successfully.

The SC/ST Forum Cell plays a crucial role in facilitating scholarship opportunities for students belonging to Scheduled Castes (SC) and Scheduled Tribes (ST).

Its involvement significantly enhances the accessibility and effectiveness of scholarship programs by addressing specific challenges faced by these students. Moreover, the cell serves as a grievance redressal mechanism for SC and ST students. It ensures that their concerns are heard and addressed promptly, creating a sense of accountability within the college administration.

This proactive approach contributes to a healthier campus environment, where students feel empowered to voice their opinions without fear of reprisal.

Key objectives and activities of IETE includ

1. Promoting Inclusivity: The primary goal of the SC/ST Forum Cell is to foster a sense of inclusivity within the engineering college. It aims to create an environment where students from SC and ST backgrounds feel valued, respected, and included in all aspects of academic and social life.

2. Addressing Discrimination: The cell serves as a platform to address instances of discrimination and prejudice that SC and ST students might encounter. By actively working to eliminate biases, stereotypes, and unfair treatment, the cell contributes to the creation of a campus culture that upholds principles of equality and justice.

3. Academic Support: One of the key objectives is to provide academic support tailored to the specific needs of SC and ST students. This includes mentorship programs, tutoring sessions, and workshops designed to bridge educational gaps, ensuring that every student has an equal opportunity to succeed in their engineering studies.

4. Affirmative Action Implementation: The SC/ST Forum Cell collaborates with the college administration to implement affirmative action policies. This involves advocating for and ensuring the effective implementation of reservation systems, scholarships, and other measures that aim to uplift SC and ST students both economically and academically.

5. Identifying Eligible Candidates: The SC/ST Forum Cell serves as a resource for identifying eligible candidates within the SC and ST student community who may benefit from scholarship opportunities. It ensures that students who meet the criteria for scholarships are aware of these opportunities and encourages them to apply. 6. Social Integration Initiatives: Recognizing the importance of social integration, the cell organizes cultural events, seminars, and interactive sessions that encourage interaction among students from diverse backgrounds. These initiatives play a crucial role in building bridges and fostering a sense of unity among the student community. 7. Grievance Redressal: The SC/ST Forum Cell acts as a grievance redressal mechanism, ensuring that concerns raised by SC and ST students are addressed promptly and effectively.By providing a channel for open communication, the cell promotes a culture of accountability within the college administration.

8. Empowering Students: Beyond addressing challenges, the cell aims to empower SC and ST students by providing them with the tools and resources needed to navigate the engineering education landscape successfully. This empowerment extends to encouraging leadership roles, participation in extracurricular activities, and overall personal development.

In essence, the SC/ST Forum Cell in an engineering college plays a multifaceted role, encompassing social, academic, and cultural dimensions. By actively pursuing these objectives, the cell contributes significantly to creating an equitable and inclusive educational environment, where every student has the opportunity to thrive and contribute to the engineering community.

List of Community members

S NO	NAME	Department	SC/ST Cell Designation
1.	Dr.Chandrakanth	Principal & Chairman	Principal & Chairman
2.	nupama Hangal	ECE	Asst.Prof., - ECE, Convener
3.	Prof. Manapriya	CSE	Asst.Prof., - CSE, Member
4.	Mr. Sanjay T	ECE	Student, Member- ECE
5.		CSE	Student, Member- CSE
6.	Manjula V	CSE	Student, Member- CSE
7.	Rakesh Chavan	Civil	Student, Member- Civil

1.List of Activities :

Sambhram Institutes of Technology organizes lot of activities under SC/ST Cell.
Following are the list of activities organized under SC/ST Cell.

Fig: About Valmiki

Sl. No.	Events Conducted	Date of Conduction
1	Ambedkar Jayanti	14th April 2023
2	Valmiki jayanti	10th November 2023

Fig: About Ambedkar

Fig: Group Photo

Fig: Garlanding for Valmiki

In conclusion, the SC/ST Forum Cell enhances the effectiveness of scholarship programs by actively supporting SC and ST students through the application process. The objectives for applying scholarships revolve around financial support, academic excellence, career advancement, and community development, aligning with the broader goal of creating equal opportunities for students from marginalized backgrounds.

EDITORIAL TEAM

EDITOR IN - CHIEF : **Dr. Ravishankar C V (ECE - HOD)**

FACULTY CO-ORDINATORS

: Prof. Saranya (CSE)
: Prof. Nithiya K (ECE)
: Prof. Nayana H R (Basic Science)
: Prof. Pankaja Manjunath (ISE)
: Prof. Ashwini (Civil)
: Dr. Yuvaraj (Mech)

STUDENT CO-ORDINATORS

: Ms. Soniya Kumari B. (7th Sem CSE)
: Mr. Tejas P. M. (7th Sem CSE)
: Ms. Ranga Kavya (5th Sem CSE)
: Ms. Prerna Shirol (5th Sem CSE)