



**SUSTAINABLE  
DEVELOPMENT  
GOALS**

**Sri Krishna  
College of Technology**

An Autonomous Institution  
Affiliated to Anna University and Approved by AICTE  
Accredited by NAAC with 'A' Grade  
KOVAIPUDUR CAMPUS, COIMBATORE - 641 042.

**VOL 24 - ISSUE 27  
DEC 15 - DEC 21, 2024**

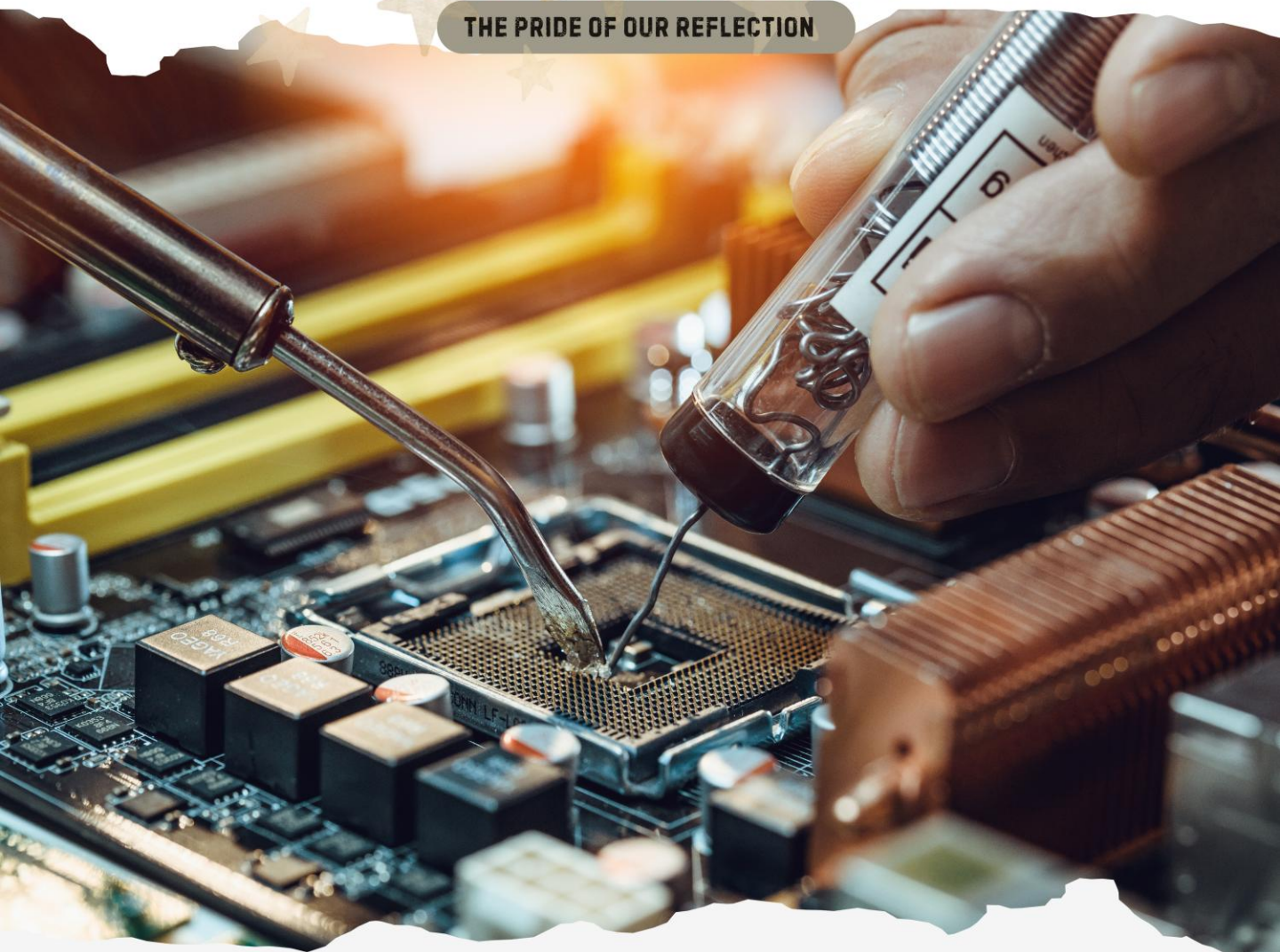
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**SKCT**

# DIGEST

**THE PRIDE OF OUR REFLECTION**



ISBN NUMBER



978-93-5895-815-7

Engineering problems are under-defined;  
there are many solutions, good, bad, and indifferent.  
The art is to arrive at a good solution."  
- Richard James

## Contact Us

☎ 0422-2984567 - 68  
📍 Kovaipudur,  
Coimbatore - 641 042.

## A VISIONARY LEADER WHO INSPIRED GREATNESS

### FOUNDERS DAY



Sri Krishna College of Technology commemorates the birth anniversary of our **Esteemed founder, Shri S Vankatram**, with profound gratitude and heartfelt reverence. His visionary leadership laid the foundation for a legacy of excellence, inspiring generations to dream beyond limits and achieve greatness.



## CELEBRATIONS AT SKCT

### NEW YEAR CELEBRATIONS



**Cheers to new beginnings**, cherished moments, and boundless opportunities! Ajay's soulful karaoke and dynamic group dances lit up the stage, spreading joy and hope for a bright year ahead. Let's **step into 2025** with love, laughter, and togetherness!



## CELEBRATIONS AT SKCT

### SKCT\_CHRISTMAS VIBES



Jingle bells, laughter, and festive cheer filled the air as Santa brought the magic of Christmas to SKCT! Let's embrace the season of giving, love, and joy together.



## CELEBRATIONS AT SKCT

### SILENT NIGHT, HOLY NIGHT



A soulful carol echoed through SKCT, spreading peace, joy, and the warmth of the Christmas spirit. 🎄❤️ Let this melody remind us to cherish life's simple joys and embrace the season's magic. 🌟🎁



## CELEBRATIONS AT SKCT

### CHRISTMAS MAGIC ON STAGE

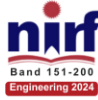


SKCT students dazzled with their enchanting dance on Hark the Herald and moving mime acts, capturing the true essence of Christmas! ✨ The faculty choir touched hearts with "It's Christmas, It's Christmas", reminding us of the season's core—love, togetherness, and gratitude.





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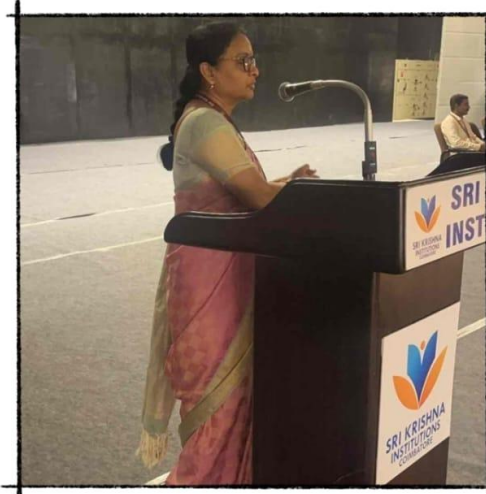


## HAPPENINGS AT SKCT

### NATIONAL SERVICE SCHEME



SKCT-NSS commemorates **World Meditation Day**, fostering relaxation, mindfulness, and emotional resilience for students and faculty. Let's nurture our consciousness and create a harmonious world.



## ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

### FACULTY PARTICIPATION



**Dr C P Maheswaran**, Programme Coordinator and **Mr Ramprakash P**, Asst. Professor, attended the “**MIPHi AI Summit**” organised at Erode on 19 December 2024.





## ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

### FACULTY PARTICIPATION



The following Members of Faculty attended One-week online FDP on “**Emerging Frontiers in AI: From Data Science to Generative AI and its Applications**”:

1. Dr C P Maheswaran, PC/AI&DS
2. Dr K Vimala, AP/AI&DS
3. Ms R Kalaivani, AP/AI&DS
4. Mr P Ramprakash, AP/AI&DS
5. Mr R Arunkumar, AP/AI&DS
6. Ms P Deepa, AP/AI&DS



## ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

### FACULTY PARTICIPATION



**Ms Deepa P**, Asst. Professor, completed the following online certification courses:

1. Computer Networking from Coursera.
2. Networking and Web Technology from Infosys Springboard.



## ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

### STUDENTS' ACHIEVEMENT



The following students participated in Neo Codeathon Contest:

#### NEO CODEATHON (August Edition)

1<sup>st</sup> Place - Mr Deepak R (III B.Tech. ADS)

4<sup>th</sup> Place – Mr Rangunath K (III B.Tech. ADS)

#### NEO CODEATHON (September Edition)

2<sup>nd</sup> Place – Mr Logeshwar S (III B.Tech. ADS)

3<sup>rd</sup> Place – Mr Rangunath K (III B.Tech. ADS)



## ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

### STUDENTS' ACHIEVEMENTS



The following students participated in She<Codes> Contest:

#### She <Codes> (August Edition)

2<sup>nd</sup> Place - Ms Subiksha K P (IV B.Tech. ADS)

#### She <Codes> (September Edition)

4<sup>th</sup> Place – Ms Lavanya N (II B.Tech. ADS)

**She<Codes>**  
August Edition

★ WINNER ★

**Dhrisha Krishna R**  
2022-25 | IT

2 <sup>nd</sup> Place <b>Subiksha K P</b> 2022-25   A&DS	2 <sup>nd</sup> Place <b>Divya Dharshini S</b> CSE - 2022-27
4 <sup>th</sup> Place <b>Divya M</b> CSE - 2022-27	5 <sup>th</sup> Place <b>Poonguzhali V</b> A&D - 2022-25

**She<Codes>**  
Sep - Edition

★ WINNER ★

**Divya M**  
2022-27 | CSE

2 <sup>nd</sup> Place <b>Divya Dharshini S</b> 2022-27   CSE	3 <sup>rd</sup> Place <b>Anusha S B</b> 2022-25   IOT
4 <sup>th</sup> Place <b>Lavanya N</b> 2022-27   A&DS	

## ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

### STUDENT PARTICIPATION



**Ms Kiruthi Swetha S**, Student of Second B.Tech. ADS, completed **“Microsoft Learn Challenge – Ignite edition : Build trustworthy AI Solutions on Microsoft Azure.”**



## CSE (IoT )

### STUDENT ACHIEVEMENT



**Ms Anusha S B**, Student of Third B.E. CSE (IoT) secured the **3<sup>rd</sup> position** in the September month edition of “**SHE Codes**”, a coding contest for Neo Colab Meta Subscribers (Women).

## She <Codes> Certificate of Achievement

This is to certify that

Anusha. S.B (IoT-3<sup>rd</sup> year)

From

Sri Krishna College of Technology

For securing 3<sup>rd</sup> position in the Sep month edition of SHE Codes a coding contest for Neo Colab Meta Subscribers(Women)



## CSE (AIML)

### STUDENT ACHIEVEMENT



Ms Poonguzhali V, Student of Third B.E. CSE (AIML), secured the **5<sup>th</sup> position** in the August month edition of “**SHE Codes**”, a coding contest for Neo Colab Meta Subscribers (Women).



## CSE (IoT )

### STUDENT PARTICIPATION



**Ms Vitharshana K, Ms Yazhini S and Ms Yogitha Sri S,** Students of Second B.E. CSE (IoT), completed a 10-day internship programme under the Product Team, Revature Consultancy Services Private Limited during 04-13 December 2024





## CSE (CYS )

### STUDENTS' PARTICIPATION



**Ms Joselin Jennilia A and Ms Kirubhashini F G**, Students of Second B.E. CSE (CyS), completed a comprehensive course on **“Kali Linux”** through Coursera.



**Mr Francis S T**, Student of Second B.E. CSE (CyS), completed Six-day **Online Students' Workshop** on **“Universal Human values”** organised by the AICTE during 23-28 September 2024.





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CSE | CIVIL | EEE | ECE  
MECH | IT



Band 151-200  
Engineering 2024



★★★★★

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## CSE (IoT & CYS)

### STUDENTS' PARTICIPATION



**Mr Ponmadhan D**, Student of Second B.E. CSE (IoT), completed 200 Problems in **Leetcode**.

STUDENTS ACHIEVEMENT

CSE (CYS)



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*Congratulates*



**PONMADHAN D**

Batch 2023-27/ B.E. CSE (IOT)

for completing

**200**

Problems in



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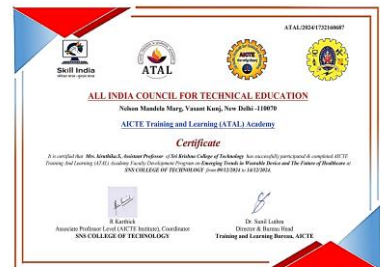


# CSE (IoT ,CYS & AIML )

## FACULTY PARTICIPATION



**Dr Naveenbalaji G (ASP/AIML), Ms Priyadharshini S (AP/IoT), Ms Kiruthika S (AP/CYS), Ms Sathya Bama S (AP/AIML) and Ms Soundarya S (AP/AIML), completed the AICTE Training and Learning (ATAL) Academy online FDP on “Emerging Trends in Wearable Devices and the Future of Healthcare” organised at SNS College during 09-14 December 2024.**



## CSE (IoT)

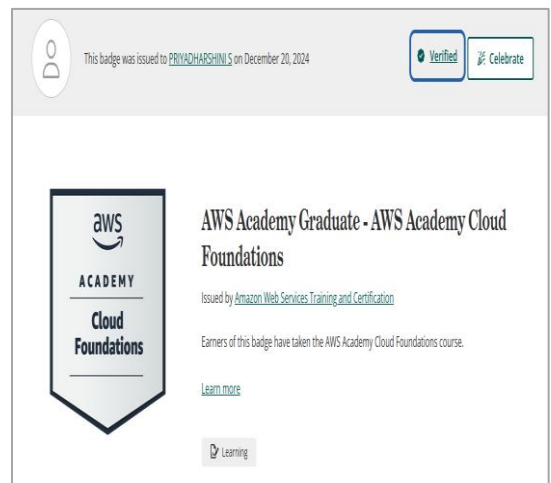
### FACULTY PARTICIPATION



**Ms Pavithra S, Asst. Professor,** completed an online course on **“Ethical Hacking Fundamentals”** through Coursera on 17 December 2024.



**Ms Priyadharshini S, Asst. Professor,** completed an online course on **“Cloud Computing”** through AWS Academy on 20 December 2024.



## CSE (IoT)

### FACULTY PARTICIPATION



Dr Naveenbalaji G, ASP/AIML, served as an Academic Guest in “EFY Expo” on 14 December 2024.



## CSE (IoT)

### FACULTY PARTICIPATION



**Dr Suma Sira Jacob, ASP/HOD and Ms Soundarya S, AP,** attended the “**MIPHi AI Summit**” at Erode on 19 December 2024.



## CIVIL ENGINEERING

### FACULTY ACHIEVEMENT



**Dr N Shanmugasundaram**, Asst. Professor, published an article on **“Prediction on Mechanical Properties of Engineered Cementitious Composites: An Experimental and Machine Learning Approach”** in Structural Concrete Journal (Q1 journal indexed in Web of science and Scopus).



**Dr N Shanmugasundaram**  
AP, Civil

#### Prediction on mechanical properties of engineered cementitious composites: An experimental and machine learning approach

N. Shanmugasundaram<sup>1</sup> | S. Praveenkumar<sup>2</sup>

<sup>1</sup>Department of Civil Engineering, Sri Krishna College of Technology, Coimbatore, India

<sup>2</sup>Department of Civil Engineering, PSG College of Technology, Coimbatore, India

##### Correspondence

S. Praveenkumar, Department of Civil Engineering, PSG College of Technology, Coimbatore, India.  
Email: [spk.civil@psgtech.ac.in](mailto:spk.civil@psgtech.ac.in)

##### Abstract

The adoption of engineered cementitious composites (ECC) has witnessed a notable surge in recent years, primarily because of their remarkable strain-hardening behavior and other hardened properties. On the other hand, machine learning (ML) approaches have been widely employed to predict various properties in engineering applications by incorporating an ‘*n*’ number of inputs and target data. An ML aids in understanding the selection, properties, and blending ability of materials, thereby reducing the cost and duration of research. In this study, an ML technique based on an artificial neural network (ANN) is utilized to predict the mechanical properties of ECC with different binders. For this purpose, several parameters are collected from the present investigation and various literature sources, and the collected data are trained using three algorithms, namely, scaled conjugate gradient (SCG), Bayesian regularization (BR), and Levenberg–Marquardt (LM). The correlations and variations between the experimental and predicted outputs are analyzed. In addition, a comparison between the experimental results obtained by each investigator and the corresponding outputs predicted by the individual algorithms is highlighted. The LM algorithm achieved a mean regression value of 0.910 for the prediction of compressive strength, whereas the BR showed values of 0.908 and 0.852 for predicting the direct tensile and flexural properties of ECC, respectively. Furthermore, considering the standard benchmark, the proposed model exhibited a high correlation with the coefficient of determination ( $R^2$ ).

## CIVIL ENGINEERING

### FACULTY CERTIFICATIONS



**Dr V Sreevidya**, Professor and Head and **Dr V Sathish Kumar**, Assoc. Professor, received the Certificate of Completion for AWS Academy Graduate – AWS Academy Cloud Foundations.







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SUSTAINABLE DEVELOPMENT GOALS



NAAC



NBA NATIONAL BOARD OF ACCREDITATION CSE | CIVIL | EEE | ECE MECH | IT



Band 151-200 Engineering 2024



INSTITUTION'S INNOVATION COUNCIL (University of Education Initiative) ★★★★★

SKCT DIGEST

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## CIVIL ENGINEERING

### FACULTY PARTICIPATION



**Mr Manoj K M, Asst. Professor, completed the NPTEL-AICTE FDP on “Indoor Air Pollution: Sources, Effects, Monitoring, Control and Modeling” offered by IIT, Madras.**



## NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

MANOJ K M

for successfully completing the course

**Indoor Air Pollution: Sources, Effects, Monitoring, Control and Modeling**

with a consolidated score of 73 %

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras



(Jul-Oct 2024)

Roll No: NPTEL24CE102S552406428

Duration of NPTEL course : 12 Weeks



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NBA NATIONAL BOARD OF ACCREDITATION

nirf Band 151-200 Engineering 2024



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## CIVIL ENGINEERING

### FACULTY PARTICIPATION



**Dr N Shanmugasundaram, Asst. Professor,** completed the NPTEL-AICTE FDP on **“The Joy of Computing Using Python”** offered by IIT, Madras.



## NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SHANMUGASUNDARAM N

for successfully completing the course

**The Joy of Computing Using Python**

with a consolidated score of 62 %

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras



(Jul-Oct 2024)

Roll No: NPTEL24CS113S852401454

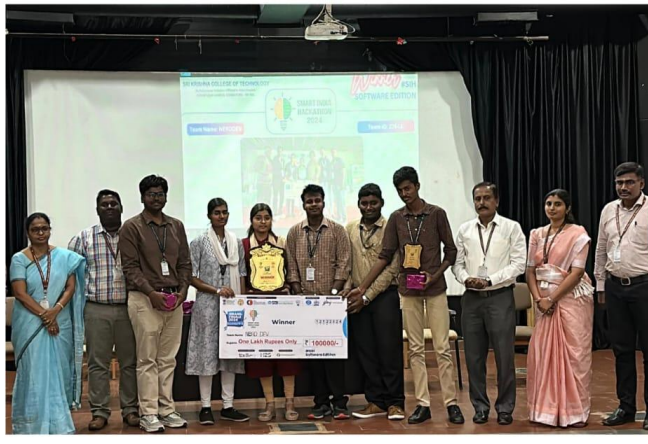
Duration of NPTEL course : 12 Weeks

## COMPUTER SCIENCE AND ENGINEERING

### STUDENTS' ACHIEVEMENT



The Department of CSE honoured the Winners of SIH'24 – **Ms Soubarnika S, Mr Suren S, Mr Yashwanth S C, Mr Vignesh Vasu, Mr Tarun M and Ms Vaishnavi**, Students of Third B.E. CSE and Mentors – **Mr Sampeter S and Ms Kalpana P.**



# COMPUTER SCIENCE AND ENGINEERING

## STUDENTS' ACHIEVEMENT



**Mr Yashwanth S C**, Student of Third B.E. CSE, secured the **First Place** in Neo-Codeathon - September edition.

**Ms Divya M** and **Ms Dhivya Dharshini S**, Students of B.E. CSE, secured the **First and Second Places** in She<Codes> coding challenge - August and September editions.

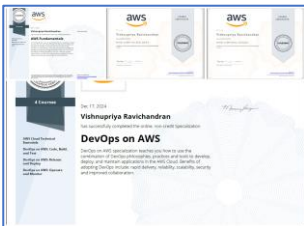


# COMPUTER SCIENCE AND ENGINEERING

## STUDENTS CERTIFICATION



**Ms Vishnupriya R, Ms Srimathi V, Mr Vishal Balajee G A and Mr Pranav M**, Students of Second B.E. CSE, completed an online, non-credit specialization on **“DEVOPS ON AWS”** - 4 courses.



**Ms T Shanmuhapriya**, Student of Second B.E. CSE, completed a course on **“Introduction to Modern AI”** offered by CISCO.



## COMPUTER SCIENCE AND ENGINEERING

### FACULTY CERTIFICATION



**Dr Udhayamoorthi M**, Assoc. Professor, **Ms G Sandhya**, **Dr Saranya N** and **Ms Gomathy A**, Asst. Professors, completed the course on “**AWS Academy Graduate - AWS Academy Cloud Foundations**” offered by AWS Academy.




# COMPUTER SCIENCE AND ENGINEERING

## FACULTY CERTIFICATIONS



**Dr Gnanakumari R, Assoc. Professor, Ms Kalpana P, and Ms Kavitha Margret M, Asst. Professors, completed the course on “AWS Academy Graduate - AWS Academy Cloud Foundations” offered by AWS Academy.**

This badge was issued to [Kalpana P](#) on December 16, 2024 [View celebrations](#) [Share](#) [...](#)




**AWS Academy Graduate - AWS Academy Cloud Foundations**

Issued by [Amazon Web Services Training and Certification](#)

Earners of this badge have taken the AWS Academy Cloud Foundations course.

This badge was issued to [Dr.R.GNANAKUMARI Assistant Professor,CSE](#) on December 16, 2024 [Verify](#) [Celebrate](#)



**AWS Academy Graduate - AWS Academy Cloud Foundations**


Issued by [Amazon Web Services Training and Certification](#)

Earners of this badge have taken the AWS Academy Cloud Foundations course.

[Learn more](#)

This badge was issued to [Kavitha Margret](#) on December 16, 2024

[Verified](#) [Undo](#)



**AWS Academy Graduate -**

# COMPUTER SCIENCE AND ENGINEERING

## DEPARTMENT EVENT

The Dept. of Computer Science and Engineering in association with CSE Association (CSEIons) organised a seminar on **“Mastering HR Interviews: Insights from an Industry Expert.”**





## ELECTRONICS AND COMMUNICATION ENGINEERING

### PLACEMENT



**Ms K Afrin Banu, Ms K Kanishkashree, Ms K Kiruthiga, and Ms S Shalini**, Students of Final B.E. ECE, received the placement offer from **“IBM”**.



**AFRIN BANU K**  
(727821TUEC007)  
Batch 2021 - 25



**KANISHKASHREE K**  
(727821TUEC101)  
Batch 2021 - 25



**KIRUTHIGA K**  
(727821TUEC112)  
Batch 2021 - 25



**SHALINI S**  
(727821TUEC217)  
Batch 2021 - 25

For successfully Receiving Placement Offer with



## ELECTRONICS AND COMMUNICATION ENGINEERING

### PLACEMENT



**Ms K Afrin Banu, Ms G Abinaya, and Mr G Kanishq Raj,** Students of Final B.E. ECE, received the placement offer from **“Tiger Analytics.”**



**AFRIN BANU K**

727821TUEC007

**Batch 2021-25/ECE**



**ABINAYA G**

727821TUEC003

**Batch 2021-25/ECE**



**KANISHQ RAJ G**

727821TUEC102

**Batch 2021-25/ECE**

for getting placement offer with

**TIGER**  
ANALYTICS

## ELECTRONICS AND COMMUNICATION ENGINEERING

### PLACEMENT



**Ms K Afrin Banu and Ms G Anuvarshini**, Students of Final B.E. ECE, received the placement offer from “**LTI Mindtree.**”



**AFRIN BANU K**

727821TUEC007

**Batch 2021-25/ECE**



**ANUVARSHINI G**

727821TUEC018

**Batch 2021-25/ECE**

for getting placement offer with



**LTIMindtree**

## ELECTRONICS AND COMMUNICATION ENGINEERING

### PLACEMENT



**Ms K S Subhashini and Mr J Rohan**, Students of Final B.E. ECE, received the placement offer from **“Relanto.”**



**SUBHASHINI K S**  
727821TUEC232  
Batch 2021-25/ECE



**ROHAN J**  
727821TUEC157  
Batch 2021-25/ECE

for getting placement offer with



## ELECTRONICS AND COMMUNICATION ENGINEERING

### PLACEMENT



Mr R Shathees, Student of Final B.E. ECE, received the placement offer from “Trimble.”



**SHATHEES R**

727821TUEC218

**Batch 2021-25/ECE**

for getting Placement offer with



## ELECTRONICS AND COMMUNICATION ENGINEERING

### SMART INDIA HACKATHON



**Ms S Selvapanchu, Ms A S Shanju Viganini, Ms S Sheshadhri, Mr S Vishal and Mr G Yashwanth,** Students of Second B.E. ECE, participated in the **Smart India Hackathon 2024 Finale** organised at **Amal Jyothi College of Engineering, Kottayam** during 04 - 09 December 2024.

**Mentors:** Mr M Kalimuthu and Mr V Suresh Babu, Asst. Professors.



## ELECTRONICS AND COMMUNICATION ENGINEERING

### STUDENTS' INTERNSHIP



**Ms M Pavithra, Mr S Mohamed Nasthaeen, Mr M Mohamed Aadhil, Mr M Hariharan and Mr Sriram, Students of Second B.E. ECE attended a 5-day Internship at BSNL, Madurai during 04 - 09 December 2024.**



## ELECTRONICS AND COMMUNICATION ENGINEERING

### STUDENTS' PARTICIPATION



**Mr S R Ram Mithun, Ms L K Rithikka and Mr M Nirmalraja Gopalan**, Students of Final B.E. ECE, presented a paper at the International Conference on **“IoT Based Control Networks and Intelligent Systems”** organised by T John Institute of Technology, Bangalore during 17 - 18 December 2024.





# ELECTRONICS AND COMMUNICATION ENGINEERING

## STUDENTS' PARTICIPATION



**Ms R Kiran Vishali, Mr P Prem Nithish, Ms S Priyadharshini and Mr M Prajneshaa**, Students of Final B.E. ECE, presented a paper at the International Conference on “**Advances in Computation, Communication and Information Technology**” organised by the Manav Rachna International Institute of Research and Studies, Faridabad during 28 - 29 November 2024.



# ELECTRONICS AND COMMUNICATION ENGINEERING

## FACULTY PARTICIPATION



**Dr K Bagyalakshmi**, Asst. Professor, presented a paper at the IEEE - Sponsored International Conference on **“Sustainable Power and Energy”** organised by O. P. Jindal University, Chhattisgarh during 28 - 29 November 2024.

**Mr G Santhakumar**, Asst. Professor, attended an FDP on **“Challenges of Antenna Design”** organised by Sathyabama Institute of Science and Technology, Chennai during 09 - 13 December 2024.



# ELECTRONICS AND COMMUNICATION ENGINEERING

## FACULTY PARTICIPATION



**Dr N Kirthika** and **Ms B Vidhya**, Asst. Professor, attended an FDP on **“Empowering image processing and artificial intelligence with MATLAB”** organised by SRM Institute of Science and Technology, Chennai during 09 - 14 December 2024.

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY  
RAMAPURAM , CHENNAI

### CERTIFICATE OF PARTICIPATION

This Certificate declares that **Dr/Mr/Mrs Dr Kirthika N** of **Sri Krishna College of Technology** has completed One Week Online Faculty Development Programme on **"Empowering Image Processing and Artificial Intelligence Techniques with MATLAB"** from **09.12.24 to 14.12.24** conducted by the Department of Computer science and Engineering at SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, RAMAPURAM, Chennai.

Chairperson/SCSE



Dean/E&T

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY  
RAMAPURAM , CHENNAI

### CERTIFICATE OF PARTICIPATION

This Certificate declares that **Dr/Mr/Mrs B.Vidhya** of **Sri Krishna College of Technology** has completed One Week Online Faculty Development Programme on **"Empowering Image Processing and Artificial Intelligence Techniques with MATLAB"** from **09.12.24 to 14.12.24** conducted by the Department of Computer science and Engineering at SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, RAMAPURAM, Chennai.

Chairperson/SCSE



Dean/E&T



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INSTITUTION'S INNOVATION COUNCIL (Ministry of Education Initiative)

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# ELECTRONICS AND COMMUNICATION ENGINEERING

## FACULTY PARTICIPATION



**Dr K Shanthi**, Assoc. Professor and **Dr S Prema**, Asst. Professor, attended the AICTE-ATAL FDP on **“Merging Trends in Wearable Devices and the Future of Healthcare”** organised by SNS College of Technology, Coimbatore during 9 - 14 December 2024.





## ELECTRONICS AND COMMUNICATION ENGINEERING

### FACULTY PUBLICATION



Dr C Senthilkumar, Assoc. Professor, published a research article on “**Coastal Spatial Planning Using Object-based Image Analysis and Image Classification**” in the Journal of South American Earth Sciences, Elsevier, 2024. (Indexed In ESCI with an Impact factor of 1.7, AU Annexure 1)



Journal of South American Earth Sciences

Volume 152, 1 February 2025, 105322



### Coastal spatial planning using object-based image analysis and image classification techniques

Senthilkumar C <sup>a</sup>, Eatedal Alabdulkreem <sup>b</sup>, Nuha Alruwais <sup>c</sup>, Kavitha M <sup>d</sup>

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<https://doi.org/10.1016/j.jsames.2024.105322>

[Get rights and content](#)

#### Highlights

- Coastal Spatial Planning Using Object-Based Image Analysis.
- Sustainable coastal zone management for Rio De Janeiro, Brazil.
- Role of Landuse/land cover in the costal spatial planning.

#### Abstract

This study focuses on optimizing coastal spatial planning for Rio de Janeiro, Brazil, addressing critical challenges such as unmanaged urbanization, loss of natural habitats, and land degradation. Utilizing Object-Based Image Analysis (OBIA) and Image Classification techniques within QGIS, the research examines Land Use/Land Cover (LULC) data from 2005, 2015, and 2024. Using the Molusce tool for spatial modeling, land use patterns were predicted for 2035 and 2045. Key spatial parameters analyzed include proximity to rivers, land value, slope level, and population density. Significant trends



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## ELECTRICAL AND ELECTRONICS ENGINEERING

### FACULTY PARTICIPATION



**Dr Jaisiva S**, Assistant Professor, EEE department, have successfully completed one week faculty development program on **"Futuristic Development Through IIOT 5.0 with Integration of Sustainable Goals"** organized by Nehru Institute of Engineering and Technology, Coimbatore, from 09 to 14 December, 2024.



## ELECTRICAL AND ELECTRONICS ENGINEERING

### FACULTY PARTICIPATION



**Mr Harish R**, Assistant Professor, EEE department, have successfully completed one week faculty development program on **“Responsible AI”** organized by PSG College of Technology, Coimbatore, from 09 to 14 December, 2024.



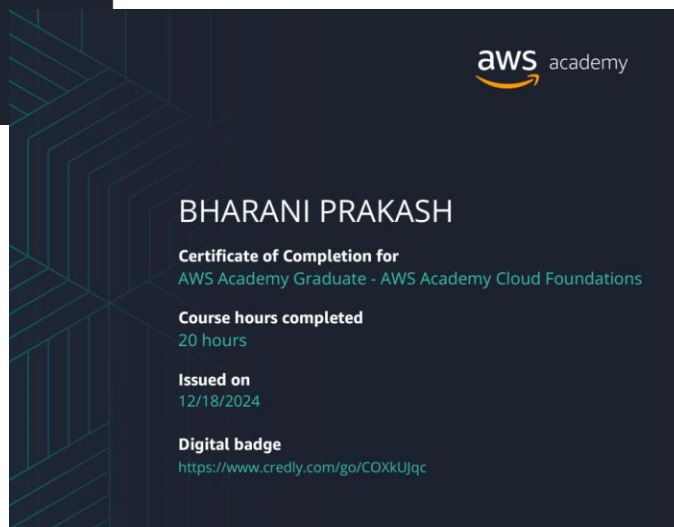


## ELECTRICAL AND ELECTRONICS ENGINEERING

### FACULTY CERTIFICATION



Dr Lijo Jacob Varghese, Dr Jency Joseph J, Mr Bharaniprakash T, faculty members of EEE department, has completed a course on “**AWS Academy Graduate - AWS Academy Cloud Foundations**” offered by AWS Academy.





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nirf Band 151-200 Engineering 2024



SKCT DIGEST VOL 24 - ISSUE 27 DEC 15 - DEC 21, 2024

# ELECTRICAL AND ELECTRONICS ENGINEERING

## FACULTY CERTIFICATION



**Ms Jeevitha K**, Assistant Professor, EEE, has completed a course on **“Leadercamp on-demand: Energy Management”** offered through Infosys Springboard.



### COURSE COMPLETION CERTIFICATE

The certificate is awarded to

**Jeevitha Kandasamy**

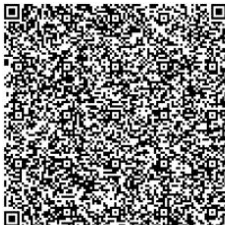
for successfully completing the course

**Leadercamp on-demand: Energy Management**

on December 17, 2024



*Congratulations! You make us proud!*



Issued on: Wednesday, December 18, 2024  
To verify, scan the QR code at <https://verify.onwingspan.com>

Thirumala Arohi  
Executive Vice President and Global Head  
Education, Training & Assessment (ETA)  
Infosys Limited

## ELECTRICAL AND ELECTRONICS ENGINEERING

### STUDENT PARTICIPATION



Dr Suresh K P, Faculty, EEE department, have received the appreciation for peer reviewing article for the “**ICISSGT 2024**” organized by IEEE Vizag Bay Section during 02 to 03 November, 2024.



## ELECTRICAL AND ELECTRONICS ENGINEERING

### EVENT ORGANIZED



Celebration of the energy conservation week with different events like **“Technical Quiz, Extension Activity, Art exhibition, Awareness session and outreach activity”** at SKCT, Coimbatore from 16 to 20 December 2024.





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Band 151-200  
Engineering 2024



## ELECTRICAL AND ELECTRONICS ENGINEERING

### EVENT ORGANIZED



The department of EEE have organized a workshop on “**Entrepreneurship and Innovation**“ by **Mr. V. Aravithan**, Software Engineer II, LexiesNexis Risk Solutions, Ascendas IT Park, Taramani, Chennai, at SKCT, Coimbatore on 20 December 2024.



## INFORMATION TECHNOLOGY

### PLACEMENT



The Students of Final B.Tech. IT received a placement offer from **“Tata Consultancy Services.”**



**INDHULEGA S**  
(727821TUIT040)  
Batch 2021 - 25



**INIKA V**  
(727821TUIT041)  
Batch 2021 - 25



**DHRISHA KRISHNA R**  
(727821TUIT020)  
Batch 2021 - 25



**ARCHANA V**  
(727821TUIT011)  
Batch 2021 - 25



**ABI C**  
(727821TUIT006)  
Batch 2021 - 25



**KABILA B**  
(727821TUIT045)  
Batch 2021 - 25



**LAVANYA S**  
(727821TUIT052)  
Batch 2021 - 25



**MAHESH BOOPATHI A**  
(727821TUIT055)  
Batch 2021 - 25

For successfully Receiving Placement Offer with



## INFORMATION TECHNOLOGY

### PLACEMENT



The Students of Final B.Tech. IT received a placement offer from **“Tata Consultancy Services.”**



**NANDHINI R**  
(727821TUIT107)  
Batch 2021 - 25



**PRIYANKA G**  
(727821TUIT123)  
Batch 2021 - 25



**SIDDHARTH A**  
(727821TUIT137)  
Batch 2021 - 25



**SIVA DHAYANITHI T**  
(727821TUIT138)  
Batch 2021 - 25



**SYED NOORUL HASAN S**  
(727821TUIT145)  
Batch 2021 - 25



**VENKATESH B**  
(727821TUIT154)  
Batch 2021 - 25

For successfully Receiving Placement Offer with



## INFORMATION TECHNOLOGY

### PLACEMENT



The following Students of Final B.Tech. IT received placement offer from:

- Ms Priyadharshini M – Tiger Analytics
- Ms Abi C and Ms Lavanya S B – Datazoic
- Ms Dhrisha Krishna R - Epam



**PRIYADHARSHINI M**



**DHRISHA KRISHNA R**



**LAVANYA S B**



**ABI C**



## INFORMATION TECHNOLOGY

## FACULTY PARTICIPATION



**Ms P Manokari, Asst. Professor, attended an online course on "Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System."**

अंतरिक्ष विभाग / DEPARTMENT OF SPACE  
भारत सरकार / GOVERNMENT OF INDIA  
भारतीय अंतरिक्ष अनुसंधान संगठन / INDIAN SPACE RESEARCH ORGANISATION  
भारतीय सुदूर संवेदन संस्थान, देहरादून / INDIAN INSTITUTE OF REMOTE SENSING, DEHRADUN

नामांकन सं. / Enrolment No.: 20241462567527

**CERTIFICATE OF ATTENDANCE**  
**ONLINE COURSE**

यह प्रमाणपत्र  
**MRS. MANOKARI P**  
को "रिमोट सेंसिंग, भौगोलिक सूचना प्रणाली और ग्लोबल नेविगेशन सैटेलाइट सिस्टम के मूलभूत सिद्धांत"  
में ऑनलाइन पाठ्यक्रम में प्रतिभाग करने पर प्रदान किया जाता है।  
इस ऑनलाइन पाठ्यक्रम का आयोजन 2024-08-27 से 2024-11-22 (कुल पाठ्यक्रम की अवधि = 52 घंटे) के दौरान किया गया।  
(सम्बन्धित आई.आई.आर.एस. नोडल केंद्र - श्री कृष्णा कॉलेज ऑफ टेक्नोलॉजी)

**THIS CERTIFICATE IS**  
AWARDED TO  
**MRS. MANOKARI P**  
ON ATTENDED THE ONLINE COURSE ON  
**"Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System"**  
THIS ONLINE COURSE WAS CONDUCTED DURING **27 August 2024 to 22 November 2024** (Total course duration = 52 hrs).  
(Concerned IIRS Nodal Centre- Sri Krishna College of Technology)

Attendance: **90 %**

Date: **18-12-2024**  
Place: Dehradun

समन्वयक, विश्वविद्यालय/संस्थान  
Coordinator, University/ Institution

निदेशक / Director  
आई.आई.आर.एस. देहरादून / IIRS, Dehradun

UID- 02d91bd7546497d25a388608535e777d .This Certificate can be validated using URL- <https://certificate.iirs.gov.in>

# INFORMATION TECHNOLOGY

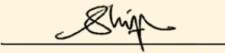
## FACULTY PARTICIPATION

**Dr K Suresh Kumar**, Asst. Professor, presented a paper on **“Design of Multiband Antenna for Full Screen Smartphone Using ANSYS HFSS”** at the Two-day International Conference on Innovation and Technopreneurship – ICIT 2024 organised by INTI International University, Malaysia during 26-27 September 2024.

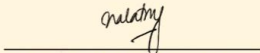


**CERTIFICATE OF PAPER PRESENTATION**

This is to certify that.....**Dr. K. SURESH KUMAR**.....of  
.....**Sri Krishna College of Technology, Tamil Nadu**.....has presented a paper  
titled.....**Design of Multiband Antenna for Full Screen Smartphone Using ANSYS HFSS**  
in the **“Two Days International Conference on Innovation and Technopreneurship – ICIT 2024”** organized by INTI International University, Malaysia on 26<sup>th</sup> and 27<sup>th</sup> September 2024.



Prof. Dr. Wong Ling Shing  
Pro Vice-Chancellor



Prof. Ir. Dr. Malathy Batumalay  
Conference Chair

## INFORMATION TECHNOLOGY

### EVENT ORGANISED



The Department of Information Technology is conducted a workshop on **“Innovate and Create: Exploring Web3 and Blockchain Potential”** on 14 December 2024.

#### Expert Speakers:

**Mr Ashwin**, Blockchain Developer, ThroughBit Technologies Pvt. Ltd., Bengaluru

**Mr Vyshnav R**, Blockchain Developer, ThroughBit Technologies Pvt. Ltd., Bengaluru



## INFORMATION TECHNOLOGY

### EVENT ORGANISED



The Department of Information Technology conducted a seminar on **“Problem Solving and Ideation: Harnessing the Power of Gen AI.”**

**Expert Speakers :**

**Ms Saranya, Ms Naveena Selvara and Mr Giridhara Prasath G** from Presidio Solutions Pvt. Ltd.



## MECHANICAL ENGINEERING

### COMMITTEE MEETING



The Dept. of Mechanical Engineering conducted the **Class Committee Meeting** for the Students of Second and Third B.E. Mechanical Engineering.



## MECHANICAL ENGINEERING

### FACULTY PARTICIPATION



**Mr Prabhu M K**, Asst. Professor, completed the AICTE ATAL Faculty Development Programme on **“Digital Frontiers in Manufacturing Excellence”** organised by Sri Ramakrishna Engineering College, Coimbatore.





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## MECHANICAL ENGINEERING

### FACULTY PARTICIPATION



**Dr V S Sreenivasan**, Assoc. Professor, completed the AICTE ATAL Faculty Development Programme on **“Digital Frontiers in Manufacturing Excellence”** organised by Sri Ramakrishna Engineering College, Coimbatore.







## MECHANICAL ENGINEERING

### FACULTY PARTICIPATION



Mr Senthil Kumar K, Asst. Professor, presented a paper on **“An Experimental Study for improving the Performance on Solar Heat Pump Dryer Unit”** organised by Dr N G P Institute of Technology, Coimbatore.



## MECHANICAL ENGINEERING

### FACULTY PARTICIPATION



**Dr T Nithyanandhan, Asst. Professor, completed the AICTE QIP PG Certification Programme in “Emerging Areas of 3D Printing” at IIT Palakkad.**



## MECHANICAL ENGINEERING

### FACULTY PARTICIPATION



**Dr T Nithyanandhan**, Asst. Professor, published an article on **“Friction and Wear Behavior of Premixed Reinforced Hybrid Composite Materials”** in the *Materia-Rio De Janeiro Journal*, Science Citation Index expanded with 0.5 Impact factor.

## REVISTAMATĒRIA

ISSN 1517-7076 articles e20240552, 2024

V.29 N.4

### Friction and wear behavior of premixed reinforcement hybrid composite materials

Nithyanandhan Thangavel<sup>1</sup>, Naveen Kumar Shanmugavel<sup>2</sup>, Manickaraj Karuppusamy<sup>3</sup>,  
Ramakrishnan Thirumalaisamy<sup>4</sup>

<sup>1</sup>Sri Krishna College of Technology, Department of Mechanical Engineering, Coimbatore, Tamilnadu, India.

<sup>2</sup>Dr. Mahalingam College of Engineering and Technology, Department of Mechanical Engineering, Coimbatore, Tamilnadu, India.

<sup>3</sup>CMS College of Engineering and Technology, Department of Mechanical Engineering, Coimbatore, Tamilnadu, India.

<sup>4</sup>Sri Eshwar College of Engineering, Department of Mechanical Engineering, Coimbatore, Tamilnadu, India.

e-mail: [tnithyanandhan305@gmail.com](mailto:tnithyanandhan305@gmail.com), [getnaveenmech@gmail.com](mailto:getnaveenmech@gmail.com), [raj.manicka@gmail.com](mailto:raj.manicka@gmail.com), [ramakrishnan.t@secc.ac.in](mailto:ramakrishnan.t@secc.ac.in)

#### ABSTRACT

This study examines the friction and wear behavior of hybrid composite materials, with a focus on understanding how premixed reinforcement influences wear rate and coefficient of friction (COF) under varying conditions of load, sliding speed, and distance. The results indicate that increasing load and sliding speed generally raise both



## MASTER OF BUSINESS ADMINISTRATION

### EVENT ORGANISED



The School of Management organised a seminar on **"Innovative Practices in Neo Banking and Online Trading"** facilitated by **Dr K Prabhakaran**, Director, Equity Ed Tech, Coimbatore on 20 December 2024 .

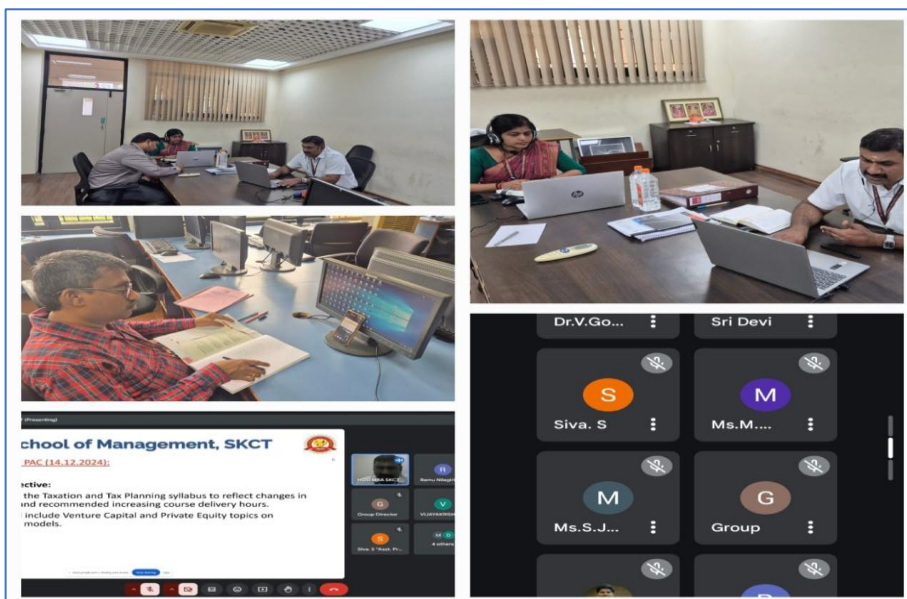


## MASTER OF BUSINESS ADMINISTRATION

### BOARD OF STUDIES MEETING



The School of Management conducted the 18th BoS in Virtual mode. **Dr Narayana C N**, Group Director, SoM, SKI has chaired the board. Following are external BoS Members: **Dr P Sridevi**, Professor, Dept. of Management Studies, NIT Trichy as Anna University Nominee, **Dr N Ramu**, Assoc. Professor, IFIM Bangalore as Academic Expert and **Mr R Vijayakrishnan**, Manager – OPEX Sakthi Finance Ltd., as Industry expert and the Members of Faculty.



# SCIENCE AND HUMANITIES

## FACULTY PARTICIPATION



**Dr N Venugopal, Assoc. Professor and Dr B Kogilavani** Asst. Professor, completed an online International Faculty Development Programme on **“Working with Emotional Intelligence and Life Skills Management”** organised by Bapatla Engineering College in collaboration with ELTAI during 02-06 December 2024.



### Certificate of Participation

This is to certify that Prof/Dr/Mr/Mrs ..... N Venugopal  
Associate Professor, Sri Krishna College of Technology

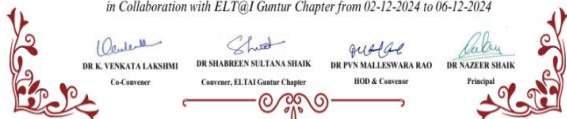
has actively participated in

International Faculty Development Program ( FDP )

Working with Emotional Intelligence and Life Skills Management ( WEILSM )

Organized by Department of English, Bapatla Engineering College ( Autonomous )

in Collaboration with ELTAI Guntur Chapter from 02-12-2024 to 06-12-2024



### Certificate of Participation

This is to certify that Prof/Dr/Mr/Mrs ..... Dr B Kogilavani  
Assistant Professor, Sri Krishna College of Technology

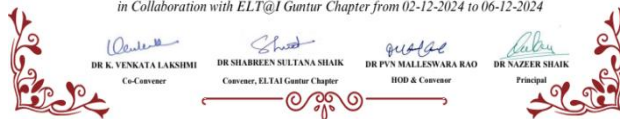
has actively participated in

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Organized by Department of English, Bapatla Engineering College ( Autonomous )

in Collaboration with ELTAI Guntur Chapter from 02-12-2024 to 06-12-2024



## SCIENCE AND HUMANITIES

### FACULTY PARTICIPATION



Dr N Nalini, Asst. Professor, participated as a delegate in the 9th International Conference on “**Human Values in Higher Education (ICHVHE 2024).**”

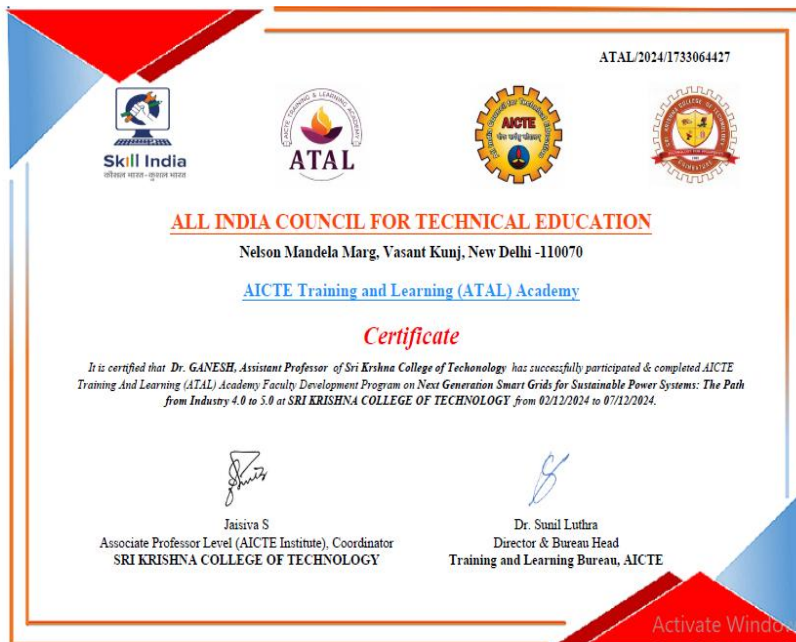


## SCIENCE AND HUMANITIES

### FACULTY PARTICIPATION



**Dr R Ganesh, Asst. Professor, attended a One-week Online AICTE Training And Learning (ATAL) FDP on “Next Generation Smart Grids for Sustainable Power Systems: The Path from Industry 4.0 to 5.0” during 02-07 December 2024.**



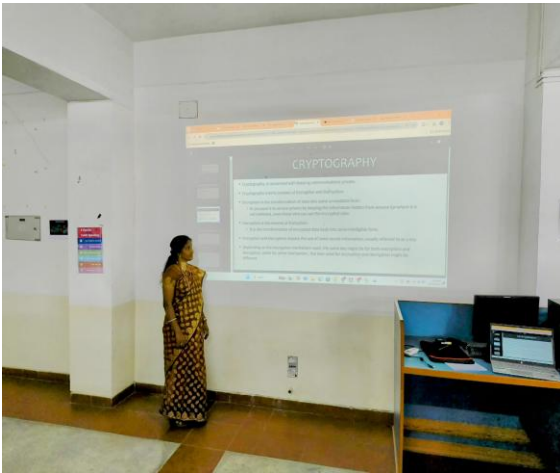


## SCIENCE AND HUMANITIES

### EVENT ORGANISED



On account of National Mathematics Day, observed annually on 22 December 2024, the Dept. of Science and Humanities in association with the **Pi-Rates Club** organised a pre-event Technical Talk Series on 18 December 2024.



**DAY 1 - EVENT**

**TECH TALK**

**18** December 2024

**11:00** pm to 12:30 pm

Venue: Communication Skills Lab

**For More Information:**  
Ms.P.Shreea Rangini, APY 5&H  
Ms.N.Lakshmi, APY 5&H  
Mr.S.Karthik, APY 5&H  
Sri Krishna College of Technology

SKCT.edu.in

**Sri Krishna College of Technology**  
An Autonomous Institution  
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Accredited by NAAC with 'A' Grade  
NOVAIPUDUR CAMPUS, COIMBATORE - 641 042

Commemorates  
**NATIONAL MATHEMATICS DAY**  
18.12.2024 & 20.12.2024

National Mathematics Day (22 December) every year to mark the birth anniversary of the Indian mathematician Srinivasa Ramanujan. It was introduced by Prime Minister Atal Bihari Vajpayee on 28 December 2012 at Madras University to mark the 125th birth anniversary of the Indian mathematician Srinivasa Ramanujan.

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Institution's Innovation Council

SKCT DIGEST

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# SCIENCE AND HUMANITIES

## EVENT ORGANISED



The Dept. of Science and Humanities conducted a “**Sudoku Competition**” as a part of the celebration of National Mathematics Day.





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SKCT DIGEST

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## SCIENCE AND HUMANITIES

### DEPARTMENT EVENTS



The Dept. of Science and Humanities conducted a competition on **“Introducing Research - A Beginners Guide”** as a part of the celebration of National Mathematics Day.

**DAY 2 - EVENT**



**INTRODUCING RESEARCH -A BEGINNER'S GUIDE**

**20** December 2024

**09:00** am to 10:30 am

Venue: Communication Skills Lab

For More Information:  
Dr. A. Shamadhani Begum, AP/S&H  
Dr. P. Roselyn Basi, AP/S&H  
Sri Krishna College of Technology

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Commemorates  
**NATIONAL MATHEMATICS DAY**  
18.12.2024 & 20.12.2024



National Mathematics Day (22 December) every year to mark the birth anniversary of the Indian mathematician Srinivasa Ramanujan. It was introduced by Prime Minister Narendra Modi on 26 December 2012 at Madras University, to mark the 125th birth anniversary of the Indian mathematician Srinivasa Ramanujan.

[f](#) [i](#) [in](#) [X](#) [v](#) /SKCTOfficial




## SCIENCE AND HUMANITIES

### DEPARTMENT EVENTS



The Dept. of Science and Humanities conducted “**Riddles and Puzzles**” as a part of the celebration of National Mathematics Day.

**DAY 2 - EVENT**



**RIDDLES & PUZZLES**


**20** December 2024

**11:30** am to 12:30pm

Venue: Communication Skills Lab


For More Information:  
Ms. H.Shubhavyothi, AP/SH  
Dr. T.Bhavani, AP/SH  
Sri Krishna College of Technology

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Commemorates  
**NATIONAL MATHEMATICS DAY**  
18.12.2024 & 20.12.2024



National Mathematics Day (20 December) every year to mark the birth anniversary of the Indian mathematician Srinivasa Ramanujan. It was introduced by Prime Minister Manmohan Singh on 26 December 2011 at Madras University, to mark the 125th birth anniversary of the Indian mathematician Srinivasa Ramanujan

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# SCIENCE AND HUMANITIES

## DEPARTMENT EVENTS



The Dept. of Science and Humanities conducted “**Math Ted Talk**” as a part of the celebration of National Mathematics Day.

**DAY 2 - EVENT**

**MATH TECH TALK**

20 December 2024

**02:30** pm to 04:00pm

Venue: **ESB 306**

For More Information:  
Dr. B. Haripriya, AP/IS&H  
Ms. V. Tharakeswari, AP/IS&H  
Ms. A.R. Niveditha, AP/IS&H  
Sri Krishna College of Technology

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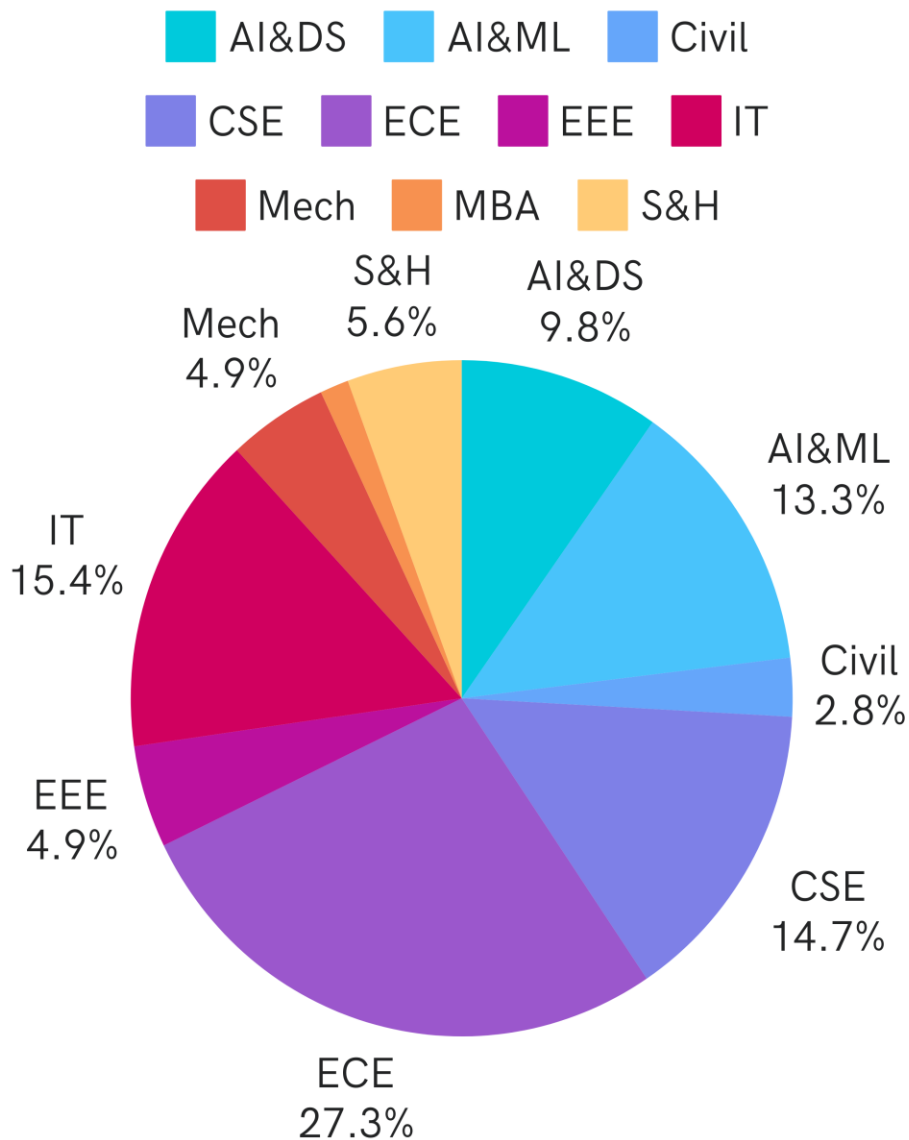
Commemorates  
**NATIONAL MATHEMATICS DAY**  
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## CONTENT CONTRIBUTIONS BY THE DEPARTMENTS



## CHIEF EDITOR

**Dr M G Sumithra**  
Principal

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Assistant Professor  
Mechanical Engineering

**Ms B Pavithra**  
Assistant Professor  
English

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- Ms S Priyadharsini AP/IoT
- Ms A Gomathy, AP/CSE
- Ms K Mythili, AP/IT
- Mr K M Manoj, AP/Civil

- Mr G Santhakumar, AP/ECE
- Mr Ajith B Singh, AP/EEE
- Mr K Senthil Kumar, AP/Mech
- Ms S Jaya Preethi, AP/MBA
- Dr B Kogilavani, AP/English

## STUDENT EDITORS

**Mr Mathan Raj S**  
I B.E. CSE (CYS)

**Ms Aparna Sulochana N**  
I B.Tech. (ADS)

**Mr Riyash D**  
I B.E. CSE (CYS)

**Mr Nithin S**  
I B.E. CSE (Cys)

**Mr R Yashwanthraja**  
III B.E. Mechanical Engineering

**Mr T Lokesh**  
IV B.Tech. ADS



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