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KOVAIPUDUR, COIMBATORE – 641 042.

SKCT DIGEST

THE PRIDE OF OUR REFLECTION

VOL 24 – ISSUE 03 – MARCH '24

Month of Avantaa 2024

ANNUAL DAY
SPORTS DAY
ALUMNI MEET

Contact Us

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info@skct.edu.in
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ISBN NUMBER
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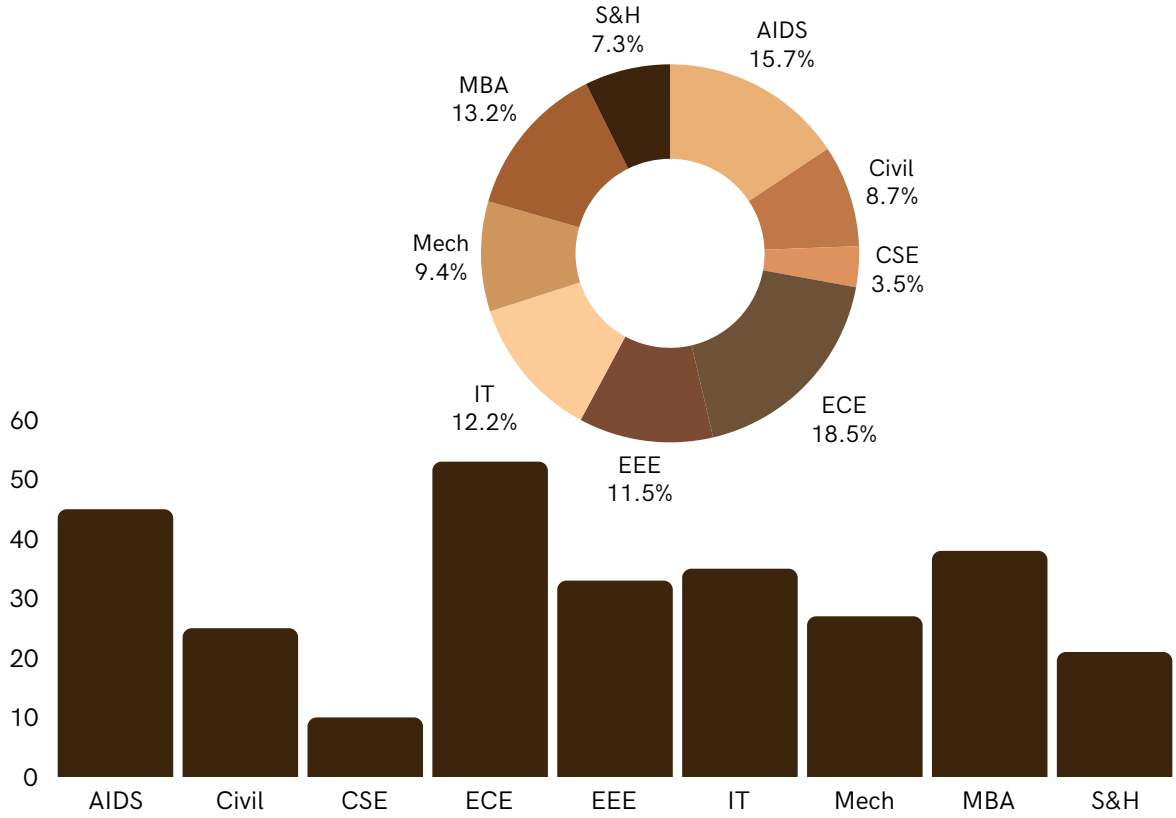

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AVANTAA'24








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SRI KRISHNA INSTITUTIONS COIMBATORE

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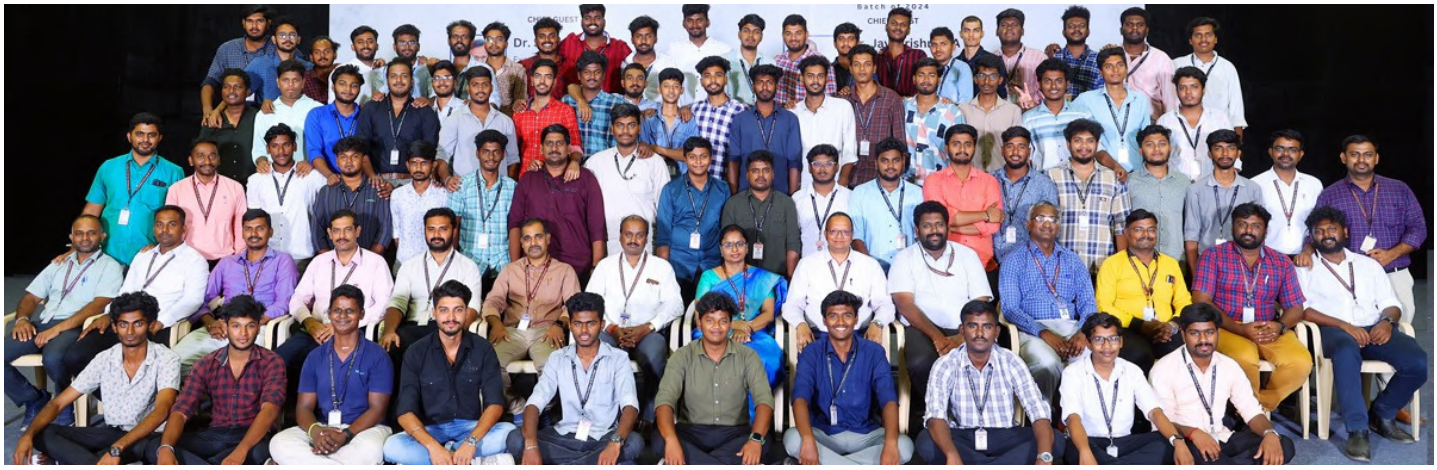
ALUMNI DAY'24



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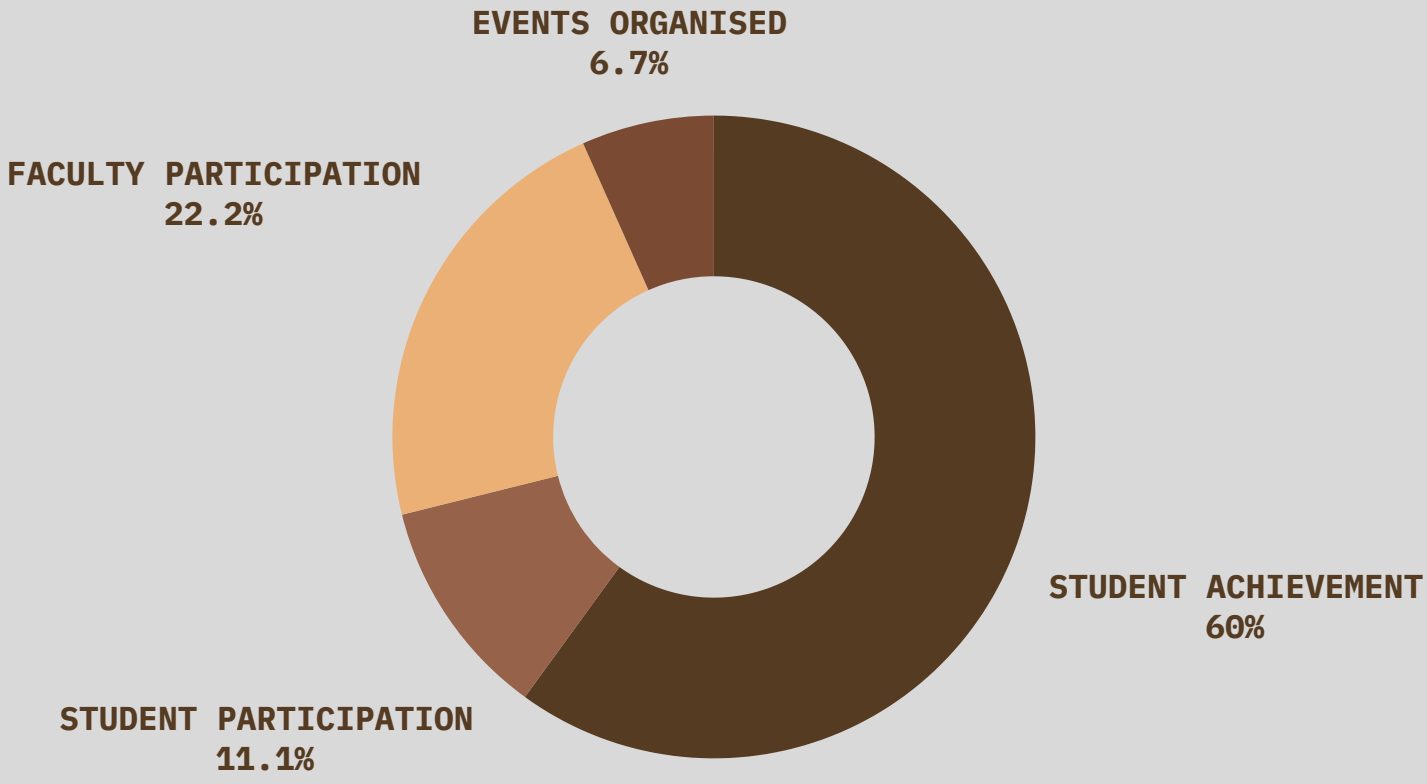
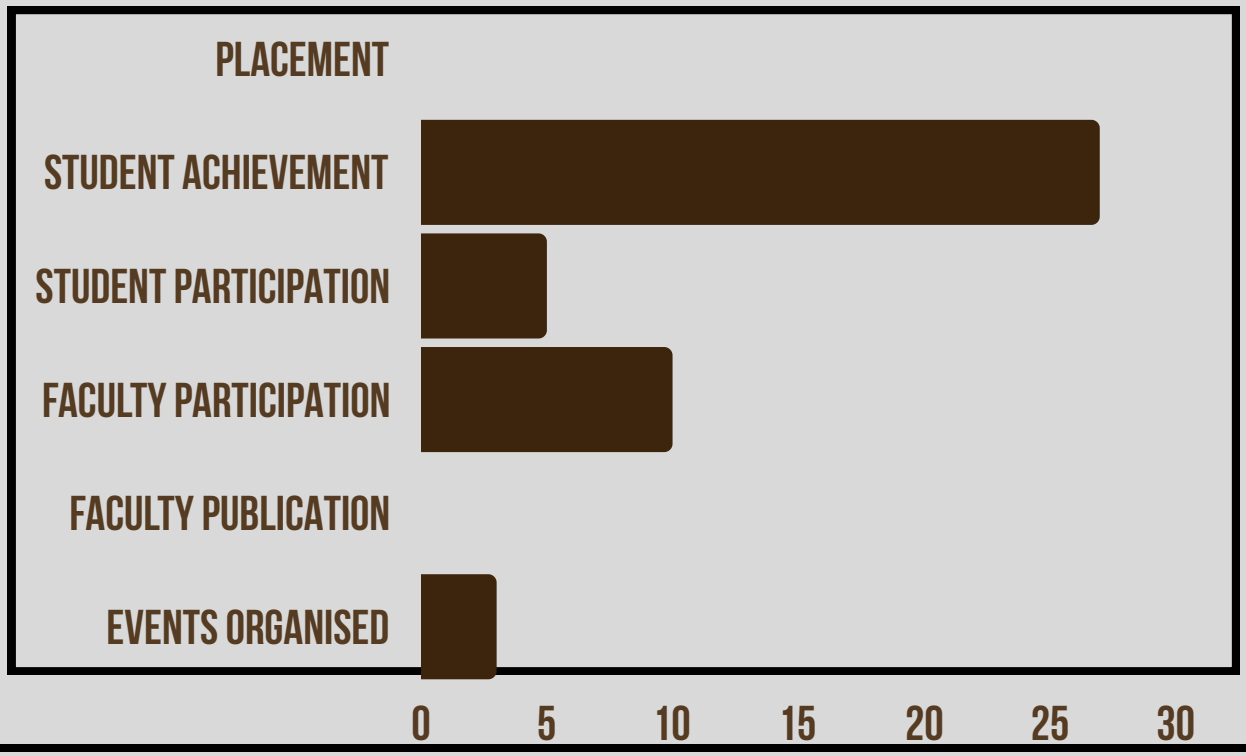
CONTENT CONTRIBUTION





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VOL 24 ※ ISSUE 03 ※ ISBN - 978-93-5895-815 ※ MARCH 24

ADS

STUDENTS ACHIEVEMENT

Mr K Gokul Raj and Mr R R Amalnath, Students of II B.E. CSE (CyS) secured the Second Place with a cash prize of Rs. 1000/- in a Debugging Event of Orion organized by Kongu Engineering College, Erode held on 16 February 2024.

Mr Aravind and Mr M Suriya, Student of II B.E. CSE (CyS) secured the third place with a cash prize of Rs. 500/- in a Debugging Event of Orion organized by Kongu Engineering College, Erode on 16 February 2024.

VOL 24 ※ ISSUE 03 ※ ISBN - 978-93-5895-815 ※ MARCH 24

ADS

STUDENTS ACHIEVEMENT

Ms SURIYA M, Student of II B.E. CSE (CyS) secured the First Place in a event on Sci – Fiesta organized at KRIYA - PSG College of Technology, Coimbatore on 25 February 2024.

Ms SURIYA M and Mr K GOKULRAJ, Students of II B.E. CSE (CyS), secured the First Place in Games Galore (Quiz) organized at KRIYA - PSG College of Technology, Coimbatore on 25 February 2024.

VOL 24 ※ ISSUE 03 ※ ISBN - 978-93-5895-815 ※ MARCH 24

ADS

STUDENTS ACHIEVEMENT

Mr. Adish A and Mr. Shri Sabhariesh K students of second year participated in the event Rescript the Scene (Rescriping the given code as a scene) and won Third Place at YUKTA'24 conducted by ECO Club PSG Institute of Technology and Applied Research, Neelambur

Mr. Adish A, Mr. Praveen Kumar .J & Mr. Vishal P students of second year participated in the event “GDSC: on-spot Ideathon” and won First Place with a cash prize of Rs.1500 at YUKTA'24 conducted by GDSC Club PSG Institute of Technology and Applied Research, Neelambur

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ADS

STUDENTS ACHIEVEMENT

Ms. THAANU SHIRI. G & Ms. JANANI KRISHNITHA. K students of II B.E CSE (Cyber Security) participated in the event Poster Making and won second place at SPECTRA at Kongu Engineering College, Erode

Ms. VARSHINI. N & Ms. MANOSRI. G students of II B.E CSE (Cyber Security) participated in the event Poster Making and won First place at SPECTRA at Kongu Engineering College, Erode

ADS

STUDENTS ACHIEVEMENT

Mr GOKULRAJ K student of II B.E CSE (Cyber Security) participated in the event TECH FEUD (CODING) and won First Place at CRYPTERA - Coimbatore Institute of Technology, Coimbatore

Mr. Aswin A, Mr. Barath K & Mr. Mugil B students of II B.E CSE (Cyber Security), participated in the event Paperizm and won Second place at ELANZAA'24 conducted by Bannari Amman Institute of Technology, Sathyamangalam

ADS

STUDENTS ACHIEVEMENT

Mr. Manikandan Sakthi S student of II B.E CSE (Cyber Security) participated in the event CODING PROS and won second place at INTEC conducted by Knowledge Institute of Technology, Salem

Ms. Radhika S, Ms. Pavithradevi K & Ms. Srivarsha M students of II B.E CSE (Cyber Security), Participated in the event 'Techmind Teasers' and won 1st place with cash prize of Rs.1000 at CEREBRIA '24 conducted by Bannari Amman Institute of Technology, Sathyamangalam

ADS

STUDENTS ACHIEVEMENT

Ms. Kavya S & Ms.Pavanikha. S. N. Students of II B.Tech (AI&DS), participated in the event ‘Code Mantra’ and won First Place at ELANZAA '24 conducted by Bannari Amman Institute of Technology, Sathyamangalam

Students of II B.E CSE (Cyber Security) participated in the various events and won at SENSONICS 2K24 conducted by KONGU ENGINEERING COLLEGE, PERUNDURAI

ADS

STUDENTS ACHIEVEMENT

Ms. Apoorva J and Ms. Sneha Lakshmi S students of II B.E CSE (Internet of Things) participated in the event NEURAL NECTAR and won 1st place with cash prize of Rs.1500 at AVANTAA '24 conducted by Sri Krishna College of Technology, Coimbatore

Mr. ABROHNEEL ROY , Mr. AMRUTAVARSHAN L and Mr. NITHIN.C students of II B.E CSE (Cyber Security) participated in the event TECH BRAIN QUIZ and won Third Place at INNOVATIX'24 - Kongu Engineering CollegeErode

ADS

STUDENTS ACHIEVEMENT

Mr A. Aravind and Mr R R Amalanath students of II B.E CSE (Cyber Security) participated in various events and won 2nd place in 3 events 'TREASURE HUNT', CODE CRAZE CARNIVAL and BREAK THE QUERY at Dhruva at Karpagam college of engineering

Mr A. Aravind and Mr R R Amalanath students of II B.E CSE (Cyber Security) participated in the event 'TAKE THE CTRL (CODING)' and won 1st place - (With a cash amount of Rs. 3000) at YUGAM'24 - KUMARAGURU COLLEGE OF TECHNOLOGY, Coimbatore

ADS

STUDENTS ACHIEVEMENT

Mr. K. GOKUL RAJ and Mr. K. KIRTHIK KUMAR students of II B.E CSE (Cyber Security) participated in the event 'Sherlock in Silicon Valley (CODING & CTF)' and won 1st place - (With a cash amount of Rs. 3000) at YUGAM at KUMARAGURU COLLEGE OF TECHNOLOGY, Coimbatore

Aaghash M, Sanjey GM, Dhakshana sree B Chandru K T students of II B.E CSE (AIML) participated in the event 'DATA FIESTA' and Won 2nd prize with cash prize of Rs.2000 conducted by Kumaraguru college of Technology, Coimbatore

ADS

STUDENTS ACHIEVEMENT

Students of II B.E (AI&ML) participated in the event 'IDEA PITCH' and won First Place with cash prize of Rs.1500 at YUKTA'24 conducted by ECE Dept. PSG Institute of Technology and Applied Research, Neelambur

Mr. Aaghash M, Mr. Sanjey GM and Mr. Maniraj T students of II B.E CSE (AIML) bagged 1st place with a Cash Prize of Rs. 75,000 at Wesualisation Unleashed-Webiz event , Conducted by Wellingkar Institute of Management Development and Research - Weschool , Mumbai

ADS

STUDENTS ACHIEVEMENT

Mr ABROHNEEL ROY, Mr AMRUTAVARSHAN L, Mr NITHIN C and Mr VIGNEASH M, Students of II B.E. CSE (CyS), secured the First Place in Secret Discovery Safari and Second Place in Paper Presentation at SCIENSEA - Kongu Engineering College, Erode on 27 February 2024.

ADS

STUDENTS ACHIEVEMENT

Students of II-AI & ML & II - AI & DS , secured First Place with a Cash prize of Rs. 3000 in the event Spectra'24(Paper Presentation) at Kongu Engineering College, Perundurai

STUDENTS TEAM:
1. Nikesh kumar M - II AI & ML
2. Sanjana kumari S - II AI & ML
3. Iniyan R - II AI & DS

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STUDENT & FACULTY PARTICIPATION


BANNARI AMMAN INSTITUTE OF TECHNOLO
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Sathyamangalam- 638 401, Erode(dt), Tamilnadu, India
Department of CSE, CSD, CSBS & AIML
Certificate of Participation
This is to certify that
Praveen Kumar E
Sri Krishna College of Technology
has presented paper titled Attack Detection in Cyber Physical System
Fourth International Conference on Artificial Intelligence and Smart Computing-2024(ICAISC'24
held during 14th -16th March 2024 at Bannari Amman Institute of Technology, Sathyamangalam.
Organizer Secretary
Convener
Principal


BANNARI AMMAN INSTITUTE OF TECHNOLOG
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Sathyamangalam- 638 401, Erode(dt), Tamilnadu, India
Department of CSE, CSD, CSBS & AIML
Certificate of Participation
This is to certify that
Rajesh Kumar T
Sri Krishna College of Technology
has presented paper titled Attack Detection in Cyber Physical System
Fourth International Conference on Artificial Intelligence and Smart Computing-2024(ICAISC'
held during 14th -16th March 2024 at Bannari Amman Institute of Technology, Sathyamangalam.
Organizer Secretary
Convener
Principal


PSG COLLEGE OF TECHNOLOGY
ASSOCIATION OF MECHANICAL ENGINEERING
prayatna '24
CERTIFICATE
is to certify that SAJEHA M
KRISHNA COLLEGE OF TECHNOLOGY has attended
Workshop on Internet of Things conducted as a part of Prayatna'24
College of Technology, Coimbatore on the 16"of February 2024.
Dr P Dhanabal
Dr P R Thyla


BANNARI AMMAN INSTITUTE OF TECHNOLOG
An Autonomous Institution, Affiliated to Anna University, Approved by AICTE, Accredited by NAAC with 'A+' Grade
Sathyamangalam- 638 401, Erode(dt), Tamilnadu, India
Department of CSE, CSD, CSBS & AIML
Certificate of Participation
This is to certify that
Kalaivani R
Sri Krishna College of Technology
has presented paper titled Attack Detection in Cyber Physical System
Fourth International Conference on Artificial Intelligence and Smart Computing-2024(ICAISC'24
held during 14th -16th March 2024 at Bannari Amman Institute of Technology, Sathyamangalam.
Organizer Secretary
Convener
Principal


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Sathyamangalam- 638 401, Erode(dt), Tamilnadu, India
Department of CSE, CSD, CSBS & AIML
Certificate of Participation
This is to certify that
Sujitha A
Sri Krishna College of Technology
has presented paper titled Attack Detection in Cyber Physical System
Fourth International Conference on Artificial Intelligence and Smart Computing-2024(ICAISC'
held during 14th -16th March 2024 at Bannari Amman Institute of Technology, Sathyamangalam.
Organizer Secretary
Convener
Principal

Ms S Soundarya, Assistant Professor, Presented Paper in 4th International conference on Artificial intelligence and Smart computing (ICAISC - 24) at BIT, Sathyamangalam.
PAPER TITLE - ATTACK DETECTION ON CYBER PHYSICAL SYSTEMS

ADS

FACULTY PARTICIPATION


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Accredited by NAAC with 'A' Grade
Kovaipudhur, Coimbatore-641042

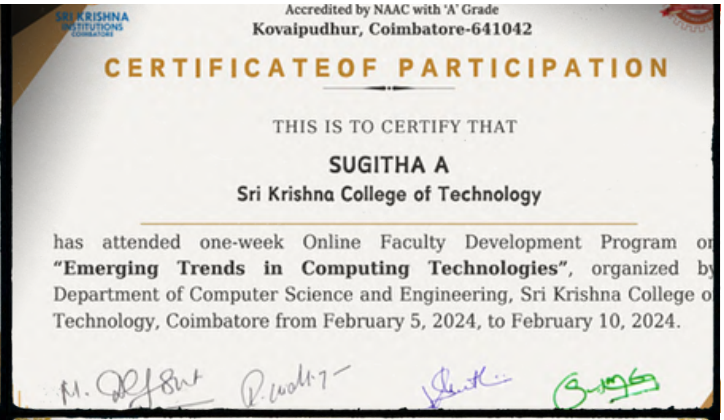
CERTIFICATEOF PARTICIPATION

THIS IS TO CERTIFY THAT

Dr. R.KARTHICK

Sri Krishna College of Technology

has attended one-week Online Faculty Development Program on **"Emerging Trends in Computing Technologies"**, organized by Department of Computer Science and Engineering, Sri Krishna College of Technology, Coimbatore from February 5, 2024, to February 10, 2024.


Accredited by NAAC with 'A' Grade
Kovaipudhur, Coimbatore-641042

CERTIFICATEOF PARTICIPATION

THIS IS TO CERTIFY THAT

SUGITHA A

Sri Krishna College of Technology

has attended one-week Online Faculty Development Program on **"Emerging Trends in Computing Technologies"**, organized by Department of Computer Science and Engineering, Sri Krishna College of Technology, Coimbatore from February 5, 2024, to February 10, 2024.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Accredited by NAAC with 'A' Grade
Kovaipudhur, Coimbatore-641042

CERTIFICATEOF PARTICIPATION

THIS IS TO CERTIFY THAT

Dr T Rajesh Kumar

Sri Krishna College of Technology

has attended one-week Online Faculty Development Program on **"Emerging Trends in Computing Technologies"**, organized by Department of Computer Science and Engineering, Sri Krishna College of Technology, Coimbatore from February 5, 2024, to February 10, 2024.

Dr.M.Dhurgadevi CO-ORDINATOR | Dr.R.Vidhya HOD-CSE | Dr.J.Shanthini HEAD-SOC | Dr.M.G.Sumithra PRINCIPAL


5th IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT-2024)

Conference Record #60090

February 9-10, 2024

Certificate of Appreciation

This certificate is awarded to Karthik R of Sri Krishna College Of Technology, Coimbatore. in recognition of his/her valuable contribution as **Reviewer** in the IC2PCT-2024 organized by Galgotias University, Greater Noida, Uttar Pradesh, India on 9th & 10th February, 2024.

Dr. Avadhesh Kumar, General Chair, IC2PCT-2024, Pro-VC, Galgotias University (U.P.)
Dr. Nitin Kumar Gaur, Registrar, Galgotias University (U.P.)
Dr. K. Mallikharjuna Babu, Patron, IC2PCT-2024, VC, Galgotias University (U.P.)


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Accredited by NAAC with 'A' Grade
Kovaipudhur, Coimbatore-641042

CERTIFICATEOF PARTICIPATION

THIS IS TO CERTIFY THAT

Arun Kumar R

Sri Krishna College of Technology

has attended one-week Online Faculty Development Program on **"Emerging Trends in Computing Technologies"**, organized by Department of Computer Science and Engineering, Sri Krishna College of Technology, Coimbatore from February 5, 2024, to February 10, 2024.

Dr.M.Dhurgadevi CO-ORDINATOR | Dr.R.Vidhya HOD-CSE | Dr.J.Shanthini HEAD-SOC | Dr.M.G.Sumithra PRINCIPAL


KUMARAGURU Institutions | KSI KUMARAGURU SCHOOL OF INNOVATION | ARK EMPOWERING LIVES

FACULTY DEVELOPMENT PROGRAM

CERTIFICATE OF PARTICIPATION

This certificate is awarded to

Sugitha. A

of Sri Krishna College of Technology

for having participated in the three-day FDP on "IMMERSE INTO WORLD OF EXTENDED REALITY WITH UNITY " between 27.02.2024 & 29.02.2024 organized by Extended Reality Cohort, Department of CSE.

ADS

FACULTY PARTICIPATION

Certificate of Presentation

Certify that

Suma Sira Jacob

Sri Krishna College of Technology, Coimbatore, Tamil Nadu, India.

has presented a paper in the International Conference on Advanced Computing & Communication Systems - ICACCS 202 on 14th & 15th March 2024 at Sri Eshwar College of Engineering Coimbatore, TamilNadu, India.

Paper Title :

Fault Detection and Isolation in EV Battery Using Mac Learning Approach

Dr. H. Anandakumar — Conference Chair

Dr. R. Subha — Convener

Dr. Sudha Mohan — Patron

CERTIFICATE OF PARTICIPATION

PROUDLY AWARDED TO

Dr R Karthik, Divya P, Akash R, Akshy Sakthi M, Aparajith G, Dhanush Karthik K S

FOR THE MANUSCRIPT TITLED

ENHANCED MACHINE LEARNING MODEL FOR HEART DISEASE PREDICTION WITH NAIVE BAYES, WARM, AND PERSONALIZED HEALTH RECOMMENDATIONS

participated in the Second International Conference on 'Artificial Intelligence and Machine Learning Applications' (AIMLA) during March 15 - 16, 2024 in K.S.Rangasamy College of Technology, Tamil Nadu, India

Dr.K.B.Jayanthi — Dr.C.Rajasekaran — Dr.R.Gopalakrishnan

12th INTERNATIONAL CONFERENCE ON CONTEMPORARY ENGINEERING AND TECHNOLOGY 2024

ORGANIZED BY ORGANIZATION OF SCIENCE & INNOVATIVE ENGINEERING AND TECHNOLOGY (OSIET), CHENNAI, INDIA.

IN COLLABORATION WITH SAMARKAND STATE UNIVERSITY, UZBEKISTAN

IN ASSOCIATION WITH

PRINCE SHRI VENKATESHWARA PADMAVATHY ENGINEERING COLLEGE

PRINCE DR. K. VASUDEVAN COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved By All India Council For Technical Education, Affiliated To Anna University) Mebavakkam - Mambakkam Main Road, Ponmar, Chennai - 600 127.

Certificate of Presentation

This is to certify that Mr/Mrs/Dr. T Rajesh Kumar from Sri Krishna College of Technology has presented a paper titled IDENTIFICATION OF RISK OF SCHIZOPHRENIA VIA DEEP LEARNING AND COMPARISON OF ACCURACY OF THESE DEEP LEARNING ALGORITHMS in the "12th International Conference on Contemporary Engineering and Technology 2024" held on 23rd & 24th March 2024.

Dr.Akhatov Almal Rustamovich — Dr. Christo Ananth — Dr. R Aravinthan — Prof. A. Krishnamoorthy — K.Janani

12th INTERNATIONAL CONFERENCE ON CONTEMPORARY ENGINEERING AND TECHNOLOGY 2024

ORGANIZED BY ORGANIZATION OF SCIENCE & INNOVATIVE ENGINEERING AND TECHNOLOGY (OSIET), CHENNAI, INDIA.

IN COLLABORATION WITH SAMARKAND STATE UNIVERSITY, UZBEKISTAN

IN ASSOCIATION WITH

PRINCE SHRI VENKATESHWARA PADMAVATHY ENGINEERING COLLEGE

PRINCE DR. K. VASUDEVAN COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved By All India Council For Technical Education, Affiliated To Anna University) Mebavakkam - Mambakkam Main Road, Ponmar, Chennai - 600 127.

Certificate of Presentation

This is to certify that Mr/Mrs/Dr. Dr. T Rajesh Kumar from Sri Krishna College of Technology has presented a paper titled Cost Prediction For Home Construction Using Machine Learning in the "12th International Conference on Contemporary Engineering and Technology 2024" held on 23rd & 24th March 2024.

Dr.Akhatov Almal Rustamovich — Dr. Christo Ananth — Dr. R Aravinthan — Prof. A. Krishnamoorthy — K.Janani

ADS

EVENT ORGANIZED

ACADEMIC REVIEW MEETING

ADS

EVENT ORGANIZED

The Department inaugurated the association, released the department logo and organized a guest lecture on "Effective Strategies for Maximizing Success in Hackathons."

ADS

EVENT ORGANIZED

The Department organized a Workshop on "Evolution of AI and its Diverse Applications" by Mr. Vishnuvardhan, CEO & Co-Founder, Wersel Workdesk Coimbatore




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CIVIL

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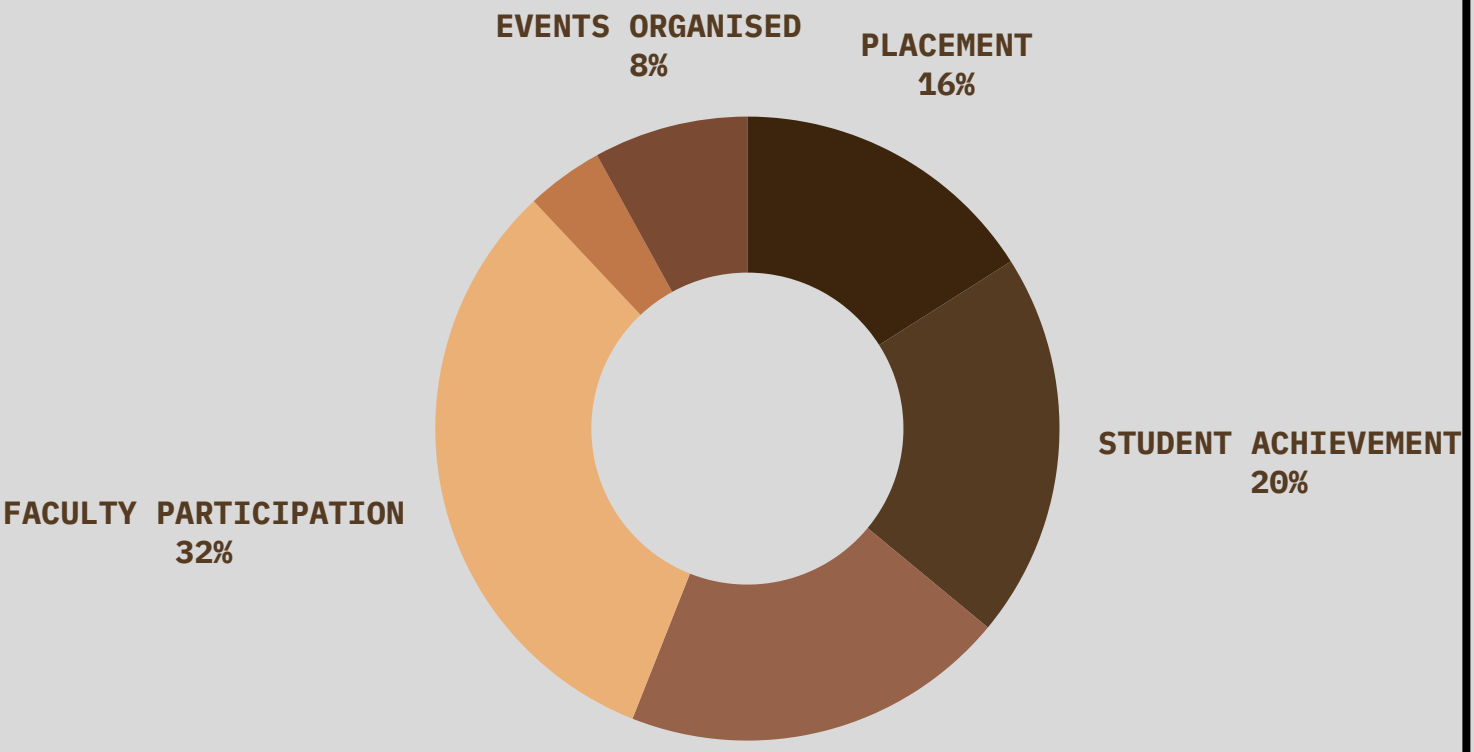
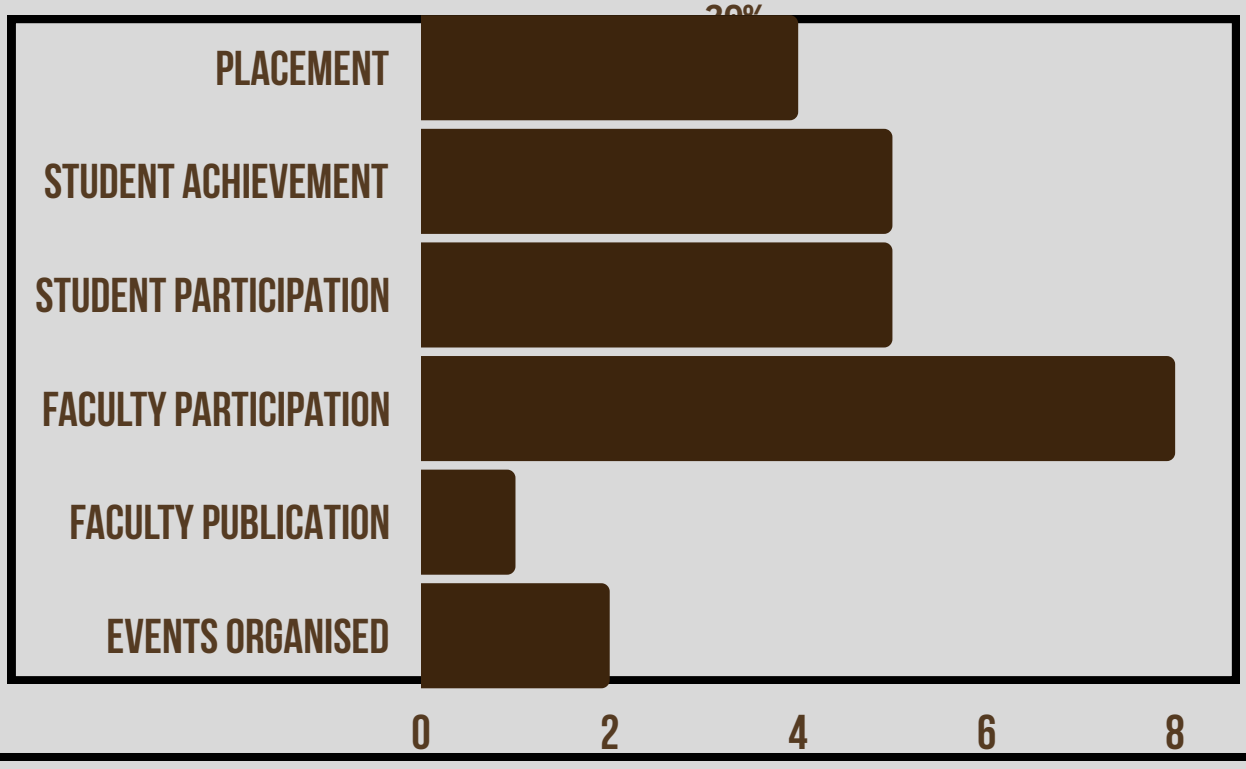




CIVIL

PLACEMENT

Mr. G. AJEETH

Mr. A. DANEEESHWAR

Mr. A. R. JAYAGANDH

Mr. T. SELVAGANESH

Placed

@

Pinnacle Infotech

CIVIL

STUDENT ACHIEVEMENT

Mr. Dhanush VG and Ms. Rithu Burniga R. of III B.E. Civil Engineering have won 3rd place in “A Civil Engineering Odyssey” technical event at YUKTA'24 conducted by PSG Institute of Technology and Applied Research, Neelambur with a cash prize of Rs. 700/-.

PSG Institute of Technology and Applied Research
Neelambur, Coimbatore - 641062

CERTIFICATE
OF MERIT

YUKTA: 2K24
National level Technical Symposium

This to certify that Mr./Ms. Dhanush. V. G. of Sri Krishna College of Technology has secured iii place in the Technical/Non-Technical event A Civil Engineering Odyssey held during YUKTA:24 organized by PSG Institute of Technology and Applied Research on 15 & 16 March 2024.

Dr P Vetrivelan
Dean Students' Union

PSG Institute of Technology and Applied Research
Neelambur, Coimbatore - 641062

CERTIFICATE
OF MERIT

YUKTA: 2K24
National level Technical Symposium

This to certify that Mr./Ms. Rithu Burniga. R of Sri Krishna College of Technology has secured iii place in the Technical/Non-Technical event A Civil Engineering Odyssey held during YUKTA:24 organized by PSG Institute of Technology and Applied Research on 15 & 16 March 2024.

Dr P Vetrivelan
Dean Students' Union

Dr N Saravanakumar
Principal

CIVIL

STUDENT ACHIEVEMENT

Mr. Barani S. and Mr. Gokul S. of II B.E. Civil Engineering have won 2nd place in “Paper War” event at Ceans-2k24 at Kongu Engineering College with a cash prize of Rs. 750/-.

KONGU ENGINEERING COLLEGE
(AUTONOMOUS)
PERUNDURALERODE-636 060.
DEPARTMENT OF CIVIL ENGINEERING
CERTIFICATE OF APPRECIATION

Mr./~~Ms.~~ J. BARANI of SRI KRISHNA COLLEGE has won II place in PAPER WAR event at CEANS-2K24 organised by Civil Engineering Association, Kongu Engineering College on 16 March 2024.

FACULTY CO-ORDINATOR HOD / CIVIL PRINCIPAL/ KEC

KONGU ENGINEERING COLLEGE
(AUTONOMOUS)
PERUNDURALERODE-636 060.
DEPARTMENT OF CIVIL ENGINEERING
CERTIFICATE OF APPRECIATION

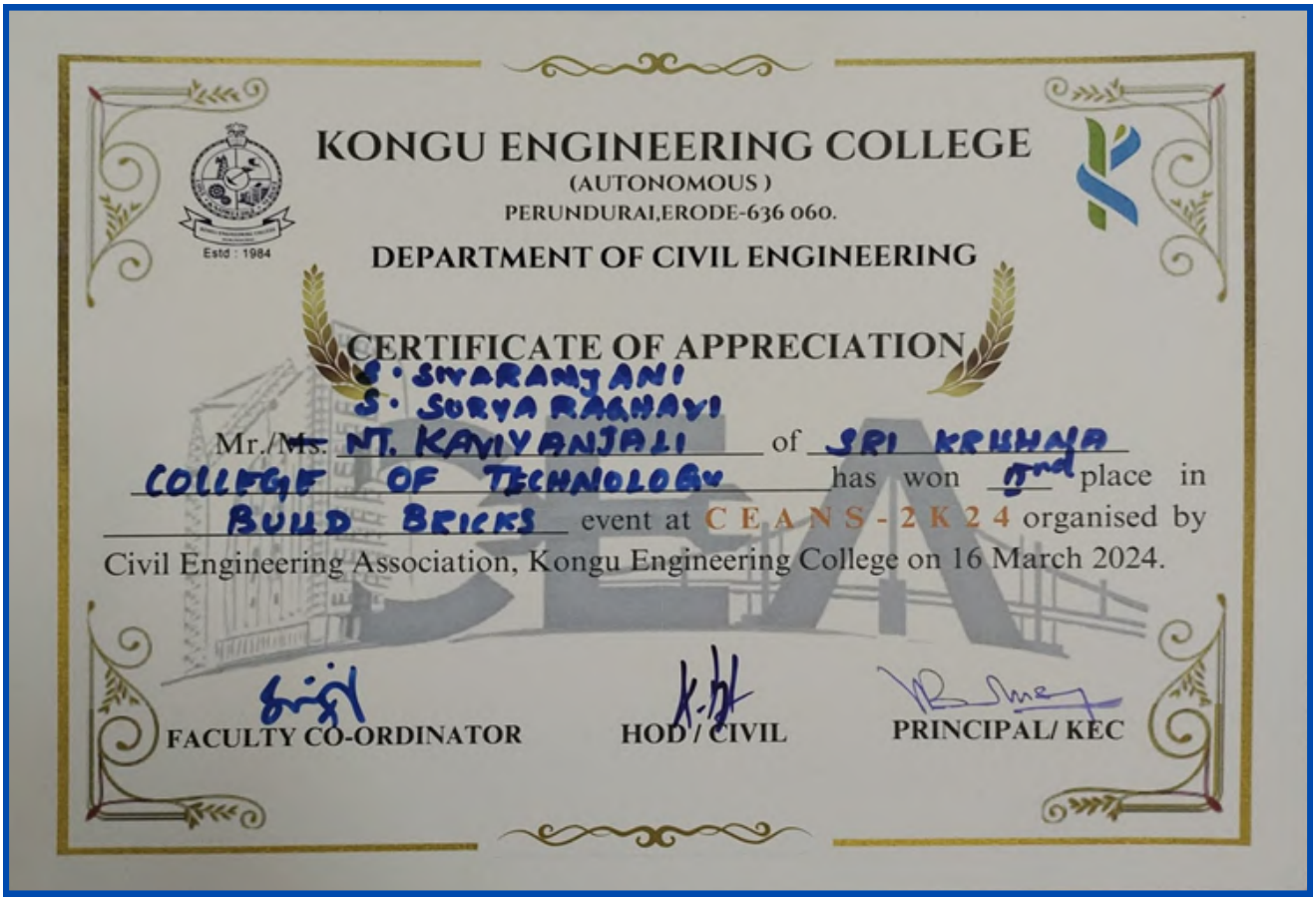
Mr./~~Ms.~~ GOKUL. S of SRI KRISHNA COLLEGE has won II place in PAPER WAR event at CEANS-2K24 organised by Civil Engineering Association, Kongu Engineering College on 16 March 2024.

FACULTY CO-ORDINATOR HOD / CIVIL PRINCIPAL/ KEC

CIVIL

STUDENT ACHIEVEMENT

Ms. Suryaragavi S., Ms. Kaviyanjali M., and Ms. Sivaranjani S II B.E. Civil Engineering have won 2nd place in “Build Bricks” event at Ceans-2k24 at Kongu Engineering College with a cash prize of Rs. 750/-.



KONGU ENGINEERING COLLEGE
(AUTONOMOUS)
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Estd : 1984
DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF APPRECIATION

This is to certify that Mr./Ms. S. SWARANJANI / S. SURYA RAGHAVI / M. KAVIYANJALI of SRI KRUHNA COLLEGE OF TECHNOLOGY has won 2nd place in BUILD BRICKS event at CEANS-2K24 organised by Civil Engineering Association, Kongu Engineering College on 16 March 2024.

FACULTY CO-ORDINATOR HOD / CIVIL PRINCIPAL/ KEC

CIVIL

STUDENT PARTICIPATION

CERTIFICATE
OF PARTICIPATION

This certificate is awarded to Mr./ Ms. GOKUL RAJ R
from SRI KRISHNA COLLEGE OF TECHNOLOGY for successfully completing the
BIM USING REVIT workshop, held on 1st MARCH 2024,
during **Kurukshetra'24**, at the College of Engineering Guindy, Anna University, Chennai.

Dr. S. SWAMYNATHAN
CHIEF COORDINATOR
CEG TECH FORUM

Dr. L. SUGANTHI
DEAN
COLLEGE OF ENGINEERING GUINDY

CERTIFICATE
OF PARTICIPATION

This certificate is awarded to Mr./ Ms. GOKUL KRISHNAN
from SRI KRISHNA COLLEGE OF TECHNOLOGY for successfully completing the
BIM USING REVIT workshop, held on 1st MARCH 2024,
during **Kurukshetra'24**, at the College of Engineering Guindy, Anna University, Chennai.

Dr. S. SWAMYNATHAN
CHIEF COORDINATOR
CEG TECH FORUM

Dr. L. SUGANTHI
DEAN
COLLEGE OF ENGINEERING GUINDY

KARPAGAM
COLLEGE OF ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that
Mr./Ms. AJAI G of
SRI KRISHNA COLLEGE OF TECHNOLOGY
who has Participated in the event
VAASTU [WORKSHOP]
during **DHRUVA 2024** held on 15th and 16th, March 2024.

One Ten AQUA GROUP CAMPUS CLUBS

kurukshetra
The Battle of Brains

CERTIFICATE
OF PARTICIPATION

This certificate is awarded to Mr./ Ms. LOGESH M
from SRI KRISHNA COLLEGE OF TECHNOLOGY for successfully completing the
BIM USING REVIT workshop, held on 1st MARCH 2024,
during **Kurukshetra'24**, at the College of Engineering Guindy, Anna University, Chennai.

Dr. S. SWAMYNATHAN
CHIEF COORDINATOR
CEG TECH FORUM

Dr. L. SUGANTHI
DEAN
COLLEGE OF ENGINEERING GUINDY

KARPAGAM
COLLEGE OF ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that
Mr./Ms. BARANI S of
SRI KRISHNA COLLEGE OF TECHNOLOGY
who has Participated in the event
VAASTU [WORKSHOP]
during **DHRUVA 2024** held on 15th and 16th, March 2024.

One Ten AQUA GROUP CAMPUS CLUBS Principal

CIVIL

FACULTY PARTICIPATION


COIMBATORE INSTITUTE OF TECHNOLOGY, COIMBATORE - 641014
(Govt. Aided Autonomous Institution affiliated to Anna University, Chennai)

DEPARTMENT OF CIVIL ENGINEERING

One Week Online Faculty Development Programme
on
"Recent Advances in Forensic Analysis of Substructures and Superstructures"
23rd - 29th February, 2024

CERTIFICATE OF PARTICIPATION

This is to certify that Dr. V. SREEVIDYA, PROFESSOR, SRI KRISHNA COLLEGE OF TECHNOLO KOVAIPUDUR has attended the *One Week Online Faculty Development Programme on "R Advances in Forensic Analysis of Substructures and Superstructures"*, organized by the Depar of Civil Engineering, CIT Coimbatore, during the period 23rd – 29th February, 2024.

Mrs.M.Hannah Angelin Dr.S.Brindha Mr.P.Leeban Joseph. Dr.N.Saranya Dr. M. P. Muthuraj Dr.
Coordinators Head(i/c), Department of Civil Engineering


PSG COLLEGE OF TECHNOLOGY, COIMBATORE – 641004
Department of Civil Engineering
in association with
Terracarb Private Limited, Chennai
Workshop on "Graphene based Additive for Construction Applications"
February 29, 2024

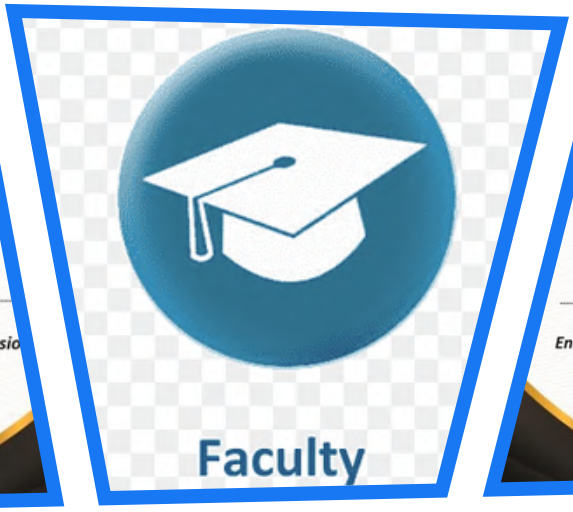
Certificate of Participation

This is to certify that SELINA RUBY G
SRI KRISHNA COLLEGE OF TECHNOLOGY has participated in the Workshop on "Graphene based Additive for Construction Applications" on Feburary 29, 2024 held at PSG College of Technology, Coimbatore.

Dr S Praveenkumar
Dr M Palanikumar
Dr K Prakasan
Principal


CERTIFIED ELITE CHANNEL PARTNER ARK

CERTIFICATE
— OF PARTICIPATION —
This is to Certify that
Dr.V.Sathish Kumar
of
Sri Krishna College of Technology.
'Has successfully completed
Enhanced Simulation Capabilities in the Latest Versio
of Ansys
from
4th & 5th March, 2024
SHISHIR GARG
AVP, DIGITAL MANUFACTURING DIVISION
ARK INFOSOLUTION PVT. LTD.


Faculty


CERTIFIED ELITE CHANNEL PARTNER ARK

CERTIFICATE
— OF PARTICIPATION —
This is to Certify that
Dr.N.Shanmuganathan
of
Sri Krishna College of Technology.
'Has successfully completed
Enhanced Simulation Capabilities in the Latest Version
of Ansys
from
4th & 5th March, 2024
SHISHIR GARG
AVP, DIGITAL MANUFACTURING DIVISION


CERTIFIED ELITE CHANNEL PARTNER ARK

CERTIFICATE
— OF PARTICIPATION —
This is to Certify that
Mr. R.Ramesh
of
Sri Krishna College of Technology.
'Has successfully completed
nced Simulation Capabilities in the Latest
of Ansys
from
4th & 5th March, 2024
SHISHIR GARG
AVP, DIGITAL MANUFACTURING DIVISION
ARK INFOSOLUTION PVT. LTD.


Ansys CERTIFIED ELITE CHANNEL PARTNER ARK

CERTIFICATE
— OF PARTICIPATION —
This is to Certify that
Ms.N.Jothi Lakshmi
of
Sri Krishna College of Technology.
'Has successfully completed
Enhanced Simulation Capabilities in the Latest Version
of Ansys
from
4th & 5th March, 2024
SHISHIR GARG
AVP, DIGITAL MANUFACTURING DIVISION

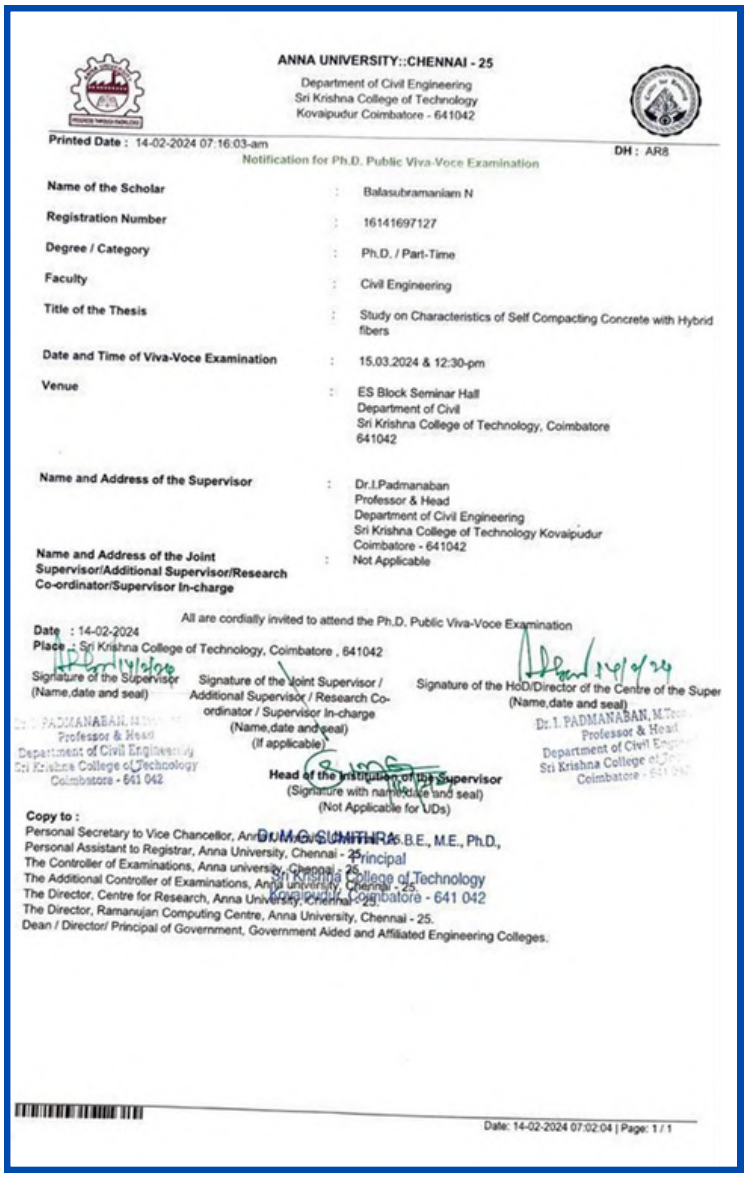

CERTIFIED ELITE CHANNEL PARTNER ARK

CERTIFICATE
— OF PARTICIPATION —
This is to Certify that
Ms.G.Selina Ruby
of
Sri Krishna College of Technology.
'Has successfully completed
nced Simulation Capabilities in the Latest Vers
of Ansys
from
4th & 5th March, 2024
SHISHIR GARG
AVP, DIGITAL MANUFACTURING DIVISION

CIVIL

FACULTY PARTICIPATION

Mr. N. Balasubramaniam, Ph.D. Research Scholar successfully defended his Ph.D. Viva Voce under the guidance of Dr. I Padmanaban, Professor and Head, Dept. of Civil Engineering, Sri Krishna College of Technology



ANNA UNIVERSITY::CHENNAI - 25

Department of Civil Engineering
Sri Krishna College of Technology
Kovaipudur Coimbatore - 641042

Printed Date : 14-02-2024 07:16:03-am DH : AR8

Notification for Ph.D. Public Viva-Voce Examination

Name of the Scholar	:	Balasubramaniam N
Registration Number	:	16141697127
Degree / Category	:	Ph.D. / Part-Time
Faculty	:	Civil Engineering
Title of the Thesis	:	Study on Characteristics of Self Compacting Concrete with Hybrid fibers
Date and Time of Viva-Voce Examination	:	15.03.2024 & 12:30-pm
Venue	:	ES Block Seminar Hall Department of Civil Sri Krishna College of Technology, Coimbatore 641042
Name and Address of the Supervisor	:	Dr.I.Padmanaban Professor & Head Department of Civil Engineering Sri Krishna College of Technology Kovaipudur Coimbatore - 641042
Name and Address of the Joint Supervisor/Additional Supervisor/Research Co-ordinator/Supervisor In-charge	:	Not Applicable

All are cordially invited to attend the Ph.D. Public Viva-Voce Examination

Date : 14-02-2024
Place : Sri Krishna College of Technology, Coimbatore , 641042

Signature of the Supervisor (Name,date and seal)
Dr. I. PADMANABAN, M.Tech., Ph.D.
Professor & Head
Department of Civil Engineering
Sri Krishna College of Technology
Coimbatore - 641 042

Signature of the Joint Supervisor / Additional Supervisor / Research Co-ordinator / Supervisor In-charge (Name,date and seal) (If applicable)

Signature of the HoD/Director of the Centre of the Super (Name,date and seal)
Dr. I. PADMANABAN, M.Tech., Ph.D.
Professor & Head
Department of Civil Engineering
Sri Krishna College of Technology
Coimbatore - 641 042

Head of the Institution of the Supervisor (Signature with name,date and seal) (Not Applicable for UDs)
Dr. M. G. SUMITHRA, B.E., M.E., Ph.D.,
Principal
Sri Krishna College of Technology
Kovaipudur, Coimbatore - 641 042

Copy to :
Personal Secretary to Vice Chancellor, Anna University, Chennai - 25.
Personal Assistant to Registrar, Anna University, Chennai - 25.
The Controller of Examinations, Anna university, Chennai - 25.
The Additional Controller of Examinations, Anna University, Chennai - 25.
The Director, Centre for Research, Anna University, Chennai - 25.
The Director, Ramanujan Computing Centre, Anna University, Chennai - 25.
Dean / Director/ Principal of Government, Government Aided and Affiliated Engineering Colleges.

Date: 14-02-2024 07:02:04 | Page: 1 / 1

CIVIL

FACULTY PUBLICATION

Dr N Shanmuganathan, Assistant Professor, published a paper on “Eco-friendly road construction: Harnessing fly ash and waste marble powder for sustainable road construction using a fuzzy logic assessment” in Global Nest, a SCI-indexed journal on 10 March 2024.

Doi: https://doi.org/10.30955/gnj.005601

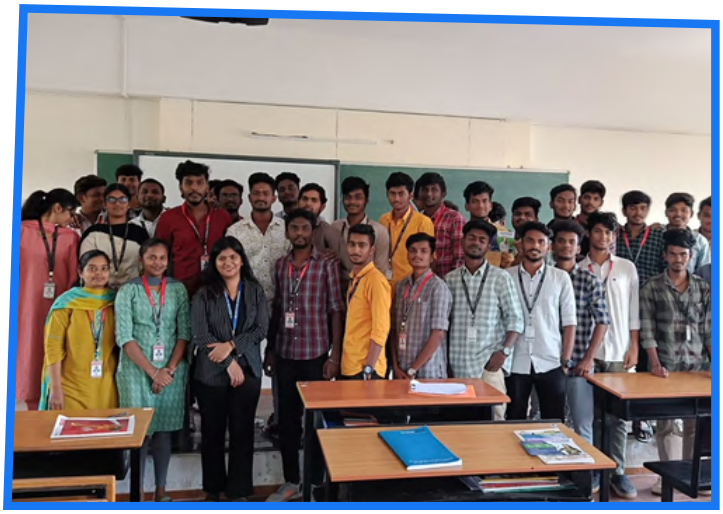
Link: https://journal.gnest.org/publication/gnest_05601

CIVIL

EVENT ORGANIZED

The Department of Civil Engineering in association with Career Guidance & International Affairs Cell of SKCT conducted a seminar on “Exploring international career with scholarship for studies in abroad”.

Resource Person: Mrs. Neena Priya
Team Head, Bluestone Overseas Consultants, Coimbatore



CIVIL

EVENT ORGANIZED

ABOUT THE INSTITUTION

Nestled at the foothills of the Western Ghats, located in a sprawling 52-acre campus in Kovaipudur, Coimbatore. Sri Krishna College of Technology (SKCT) is a vibrant institute of higher education established in 1985 promoted by Sri Krishna Institutions. An extraordinary freedom of opportunity—to explore, to collaborate and to challenge oneself is the hallmark of the Institute. Being an autonomous institute, affiliated to Anna University, Chennai, and approved by AICTE, New Delhi, SKCT lays strong emphasis on collaborative research and stands apart from other institutes by its participatory work culture, student care programmes and high industry interaction. In a span of 38 years, it has emerged as one of the premier Engineering Colleges for learning, discovery and innovation under the dynamic leadership of the Chairperson and Managing Trustee Smt S Malarvizhi. Being an acclaimed educationalist, she continues to contribute profusely for the glory and happiness of advancing generations. The college is accredited with A Grade by NAAC and eligible undergraduate programs are accredited by the National Board of Accreditation (NBA), New Delhi. The college offers 11 Undergraduate Programmes and 6 Postgraduate Programmes in Engineering, Technology, and Management Studies.

VISION

Sri Krishna College of Technology aspires to be recognized as one of the pioneers in imparting world class technical education through technology enabled innovative teaching learning processes with a focus on research activities to cater, to the societal needs.

MISSION

- To be recognized as centre of excellence in science, engineering and technology through effective teaching and learning processes by providing a conducive learning environment.
- To foster research and development with creative and entrepreneurial skills by means of innovative applications of technology.
- Accomplish expectations of the society and industry by nurturing the students to be competent professionals with integrity.

ABOUT THE DEPARTMENT

The department of Civil Engineering was established in the year 1985. We are equipped with state-of-the-art laboratories and computing facilities. Dr. I. Padmanaban leads the team of highly qualified and accelerated faculty for the development of the students in academic activities and placement. Our alumni are occupying accountable positions in several industries like L&T, CCCL, BGR Energy Systems, Sobha developers, URC Construction, and Tata Projects. We are equipping our students with a perfect balance of intellectual and real-world experiences that help them in serving the demands from our society.

VISION

The Department of Civil Engineering strives to impart quality Education with Research focus on Social, Economical and Environmental needs through global technological developments.

MISSION

- To offer a better facility and conducive environment for Education, Research and Innovation.
- To promote entrepreneurial thinking and management skills in students.
- To inculcate social and environmental responsibilities in students.
- To strive for continual improvement with global standards.

OBJECTIVE OF THE FDP

The objective of the program is to equip faculty members with the necessary knowledge and skills to integrate modelling and simulation softwares in Civil Engineering into their teaching curriculum, research projects, and industrial collaborations, thereby enhancing the quality and relevance of Civil Engineering education and research.

ELIGIBILITY

Faculty and Research Scholars from AICTE approved Institutions and Industries with relevant background in Civil Engineering are eligible for the programme.

CONTENT AND RESOURCE PERSONS

Resource Persons from reputed Industry and R&D Organization in the Civil Engineering field will share their knowledge relevant to this FDP.

- **Building Information Modelling**
  Dr. Simon Jayasingh
  Co-Founder & Managing Director,
  Yatzar Creations Pvt. Ltd, Coimbatore
- **AI&ML in Civil Engineering**
  Dr. Hemalatha G, Former Professor,
  Karunya Institute of Technology and Sciences,
  Coimbatore
- **ABAQUS Civil**
  Er. Sankar V.S., Technical Project Manager,
  Bosch Global Software Technologies,
  SEZ - Coimbatore
- **Tekla Structures**
  Er. Kanimozhi S, Founder
  KANI CAD Solutions, BIM Engineer, Tiruppur
- **SACS in Civil Engineering**
  Er. Abdul Rahman S, Structural Engineer,
  Cameron Manufacturing (India) Pvt Ltd.
  Schlumberger, Coimbatore
- **ANN in Civil Engineering**
  Dr. Leon Raj J, Senior Scientist,
  CSIR - NEIST, Assam

IMPORTANT DATES

Last Date for Registration : 23.02.2024
Confirmation to Participants : 24.02.2024

LINK TO REGISTER

https://forms.gle/7tfNcjzWKcnyHMqG6

REGISTRATION FEE:

Research Scholar : Rs. 200/-
Faculty : Rs. 300/-

Account Details
Name of the Institution : Sri Krishna College of Technology Kovaipudur, Coimbatore – 641042
Name of Bank : State Bank of India
Account Type : Savings Bank Account
Branch : Kuniamuthur
Account Number : 32073956338
IFSC Code No : SBIN0012245
MICR Code No : 641002038

ABOUT THE LOCATION

The college is located at Golf Road, Arivoli Nagar, Vivekanandapuram, Kovaipudur, Coimbatore-641042. Tamil Nadu.

Six Days Virtual Faculty Development Programme on

Modelling and Simulation Softwares in Civil Engineering

26th February – 02nd March 2024

Registration Form

(To be filled in block letter)

Name :
Department :
Gender : Male / Female
Designation
Organization
Address for Communication:
Phone
Email id
Payment Details:
UTR & Date :
Amount
Bank Name:

Date: Signature

ORGANIZING COMMITTEE

Chief Patron
Smt. Malarvizhi S
Chairperson & Managing Trustee,
Sri Krishna Institutions

Mr. Adithya K
Trustee, Sri Krishna Institutions

Patron
Dr. Sundararaman K
CEO & Secretary, Sri Krishna Institutions

Organizing Chair
Dr. Sumithra M G
Principal, Sri Krishna College of Technology

Convener
Dr. Padmanaban I
Head of the Department
Department of Civil Engineering
Sri Krishna College of Technology

Organizers
Dr. Subashree P
Associate Professor,
Department of Civil Engineering
Sri Krishna College of Technology

Ms. Jothi Lakshmi N
Assistant Professor,
Department of Civil Engineering
Sri Krishna College of Technology

ADDRESS FOR CORRESPONDANCE

Dr. Subashree P, Associate Professor,
Department of Civil Engineering
Sri Krishna College of Technology
Coimbatore - 641042. Mobile: 8870393349
Email: subashree.p@skct.edu.in

Six Days Virtual Faculty Development Programme on

Modelling and Simulation Softwares in Civil Engineering

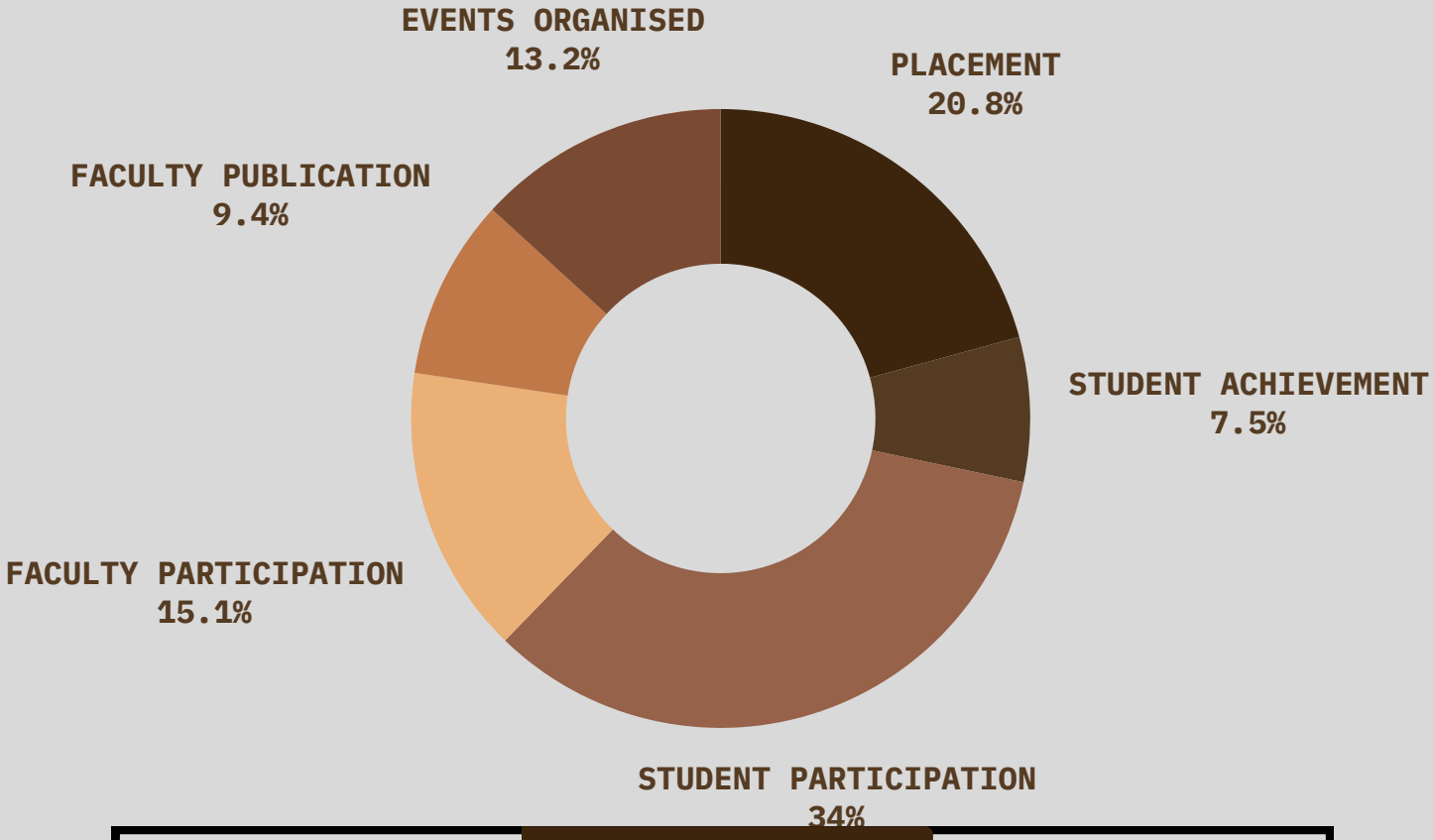
26th February – 02nd March 2024
6.00 P.M. to 7.30 P.M.

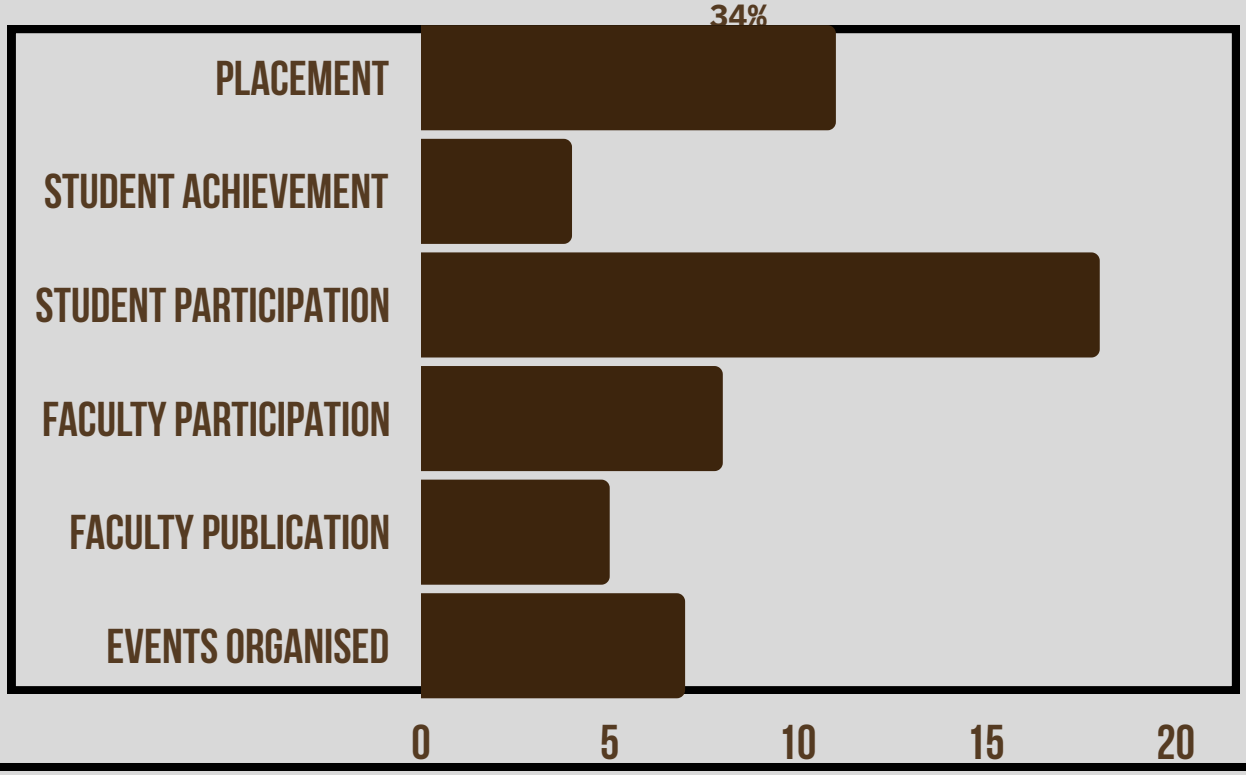
Organized by
DEPARTMENT OF CIVIL ENGINEERING
SRI KRISHNA COLLEGE OF TECHNOLOGY
(An Autonomous Institution)
Affiliated to Anna University|
Approved by AICTE
Accredited by NAAC with 'A' Grade
Kovaipudur, Coimbatore – 641 042.

Phone : 0422-2984567-68
E-mail : principal@skct.edu.in
Website : www.skct.edu.in

ECE

CONTENT CONTRIBUTION





ECE

PLACEMENT

Mr. Arun A T, Mr. S Bharvendhan, Mr. S Dharanash, Mr.M.Gowtham, Mr. Mithun B, Mr. Muthukumar K, Mr. Sivamurugan S, Mr.Sri Yaswanth Arasu S, Mr.Thomson Arnold Gunasingh, Mr.Vignesh Pandian of Final year ECE student got placed in Capgemini










ECE

PLACEMENT

Mr. Shringesh B
of Final year ECE student
got placement in “Applied Materials”.

ECE

STUDENTS ACHIEVEMENTS

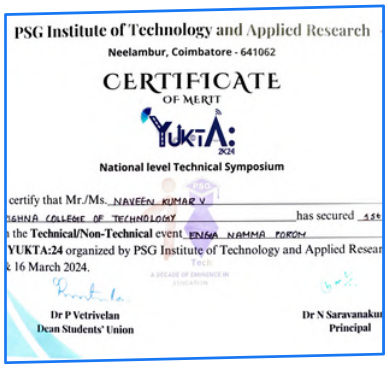
Mr. Kanishq Raj G, Ms. Kavina A, Mr. Pravin Kumar K, and Ms. Preethika K of Third year ECE students have secured first place with a cash prize of Rs.3,000/- in the SparkHack Hackathon conducted by Karpagam College of Engineering, Coimbatore

ECE

STUDENTS ACHIEVEMENTS

Mr. Kavin.P, Mr.Kisshore Raja P,Mr.Naveen kumar V,Mr.Rathish PS of Second Year ECE student have secured the 1st prize in the Non-technical event: "'ENGA NAMMA POROM" conducted by ROTRACT CLUB with a cash price of Rs.1500 in PSG Institute of Technology


PSG Institute of Technology and Applied Research
Neelambur, Coimbatore - 641062
CERTIFICATE OF MERIT
YUKTA: 2K24
National level Technical Symposium
This to certify that Mr./Ms. KAVIN P of SRI KRISHNA COLLEGE OF TECHNOLOGY has secured 1st place in the Technical/Non-Technical event ENGA NAMMA POROM held during YUKTA:24 organized by PSG Institute of Technology and Applied Research on 15 & 16 March 2024.
Dr P Vetrivelan, Dean Students' Union
Dr N Saravanakumar, Principal


PSG Institute of Technology and Applied Research
Neelambur, Coimbatore - 641062
CERTIFICATE OF MERIT
YUKTA: 2K24
National level Technical Symposium
certify that Mr./Ms. NAVEEN KUMAR V has secured 1st
the Technical/Non-Technical event ENGA NAMMA POROM
YUKTA:24 organized by PSG Institute of Technology and Applied Resear
16 March 2024.
Dr P Vetrivelan, Dean Students' Union
Dr N Saravanakur, Principal

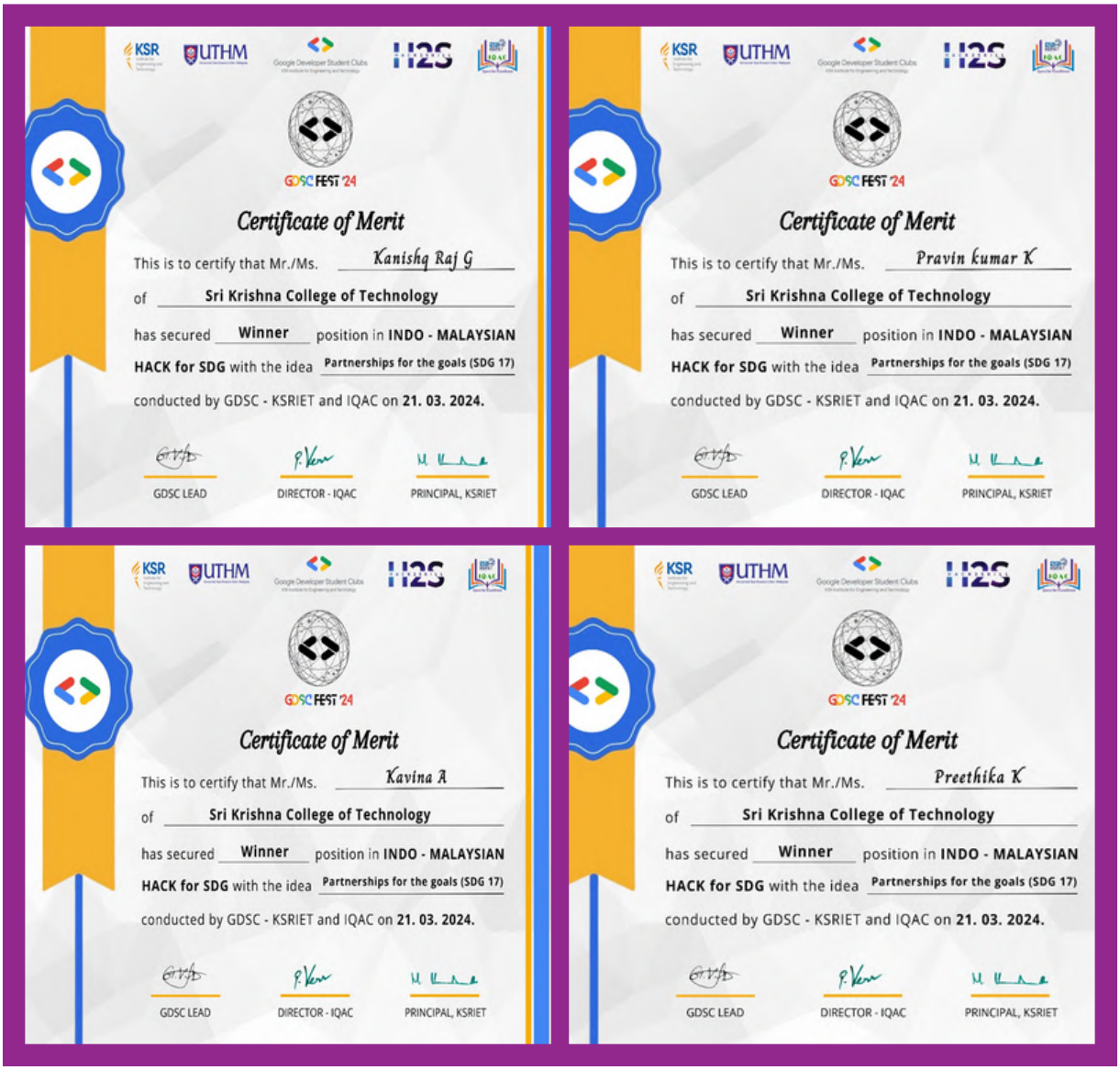

PSG Institute of Technology and Applied Research
Neelambur, Coimbatore - 641062
CERTIFICATE OF MERIT
YUKTA: 2K24
National level Technical Symposium
This to certify that Mr./Ms. KISSHORE RAJA P of SRI KRISHNA COLLEGE OF TECHNOLOGY has secured 1st place in the Technical/Non-Technical event ENGA NAMMA POROM held during YUKTA:24 organized by PSG Institute of Technology and Applied Research on 15 & 16 March 2024.
Dr P Vetrivelan, Dean Students' Union
Dr N Saravanakumar, Principal


PSG Institute of Technology and Applied Research
Neelambur, Coimbatore - 641062
CERTIFICATE OF MERIT
YUKTA: 2K24
National level Technical Symposium
rtify that Mr./Ms. RATHISH P S has secured
NA COLLEGE OF TECHNOLOGY
e Technical/Non-Technical event ENGA NAMMA POROM
KTA:24 organized by PSG Institute of Technology and Applied Re
6 March 2024.
Dr P Vetrivelan, Dean Students' Union
Dr N Saravana, Principa

ECE

STUDENTS ACHIEVEMENTS

Mr. Kanishq Raj G, Ms. Kavina A, Mr. Pravin Kumar K, and Ms. Preethika K of Third year ECE students have secured winner position in Indo-Malaysian Hack for SDG with the idea “Partnership for the goals(SDG 17)” and won a cash prize of cash reward of Rs.10,000/- conducted by GDSC- KSRIET



GDSC FEST '24

Certificate of Merit

This is to certify that Mr./Ms. *Kanishq Raj G*

of **Sri Krishna College of Technology**

has secured **Winner** position in **INDO - MALAYSIAN HACK for SDG** with the idea **Partnerships for the goals (SDG 17)**

conducted by GDSC - KSRIET and IQAC on **21. 03. 2024.**

GDSC LEAD | DIRECTOR - IQAC | PRINCIPAL, KSRIET

GDSC FEST '24

Certificate of Merit

This is to certify that Mr./Ms. *Pravin Kumar K*

of **Sri Krishna College of Technology**

has secured **Winner** position in **INDO - MALAYSIAN HACK for SDG** with the idea **Partnerships for the goals (SDG 17)**

conducted by GDSC - KSRIET and IQAC on **21. 03. 2024.**

GDSC LEAD | DIRECTOR - IQAC | PRINCIPAL, KSRIET

GDSC FEST '24

Certificate of Merit

This is to certify that Mr./Ms. *Kavina A*

of **Sri Krishna College of Technology**

has secured **Winner** position in **INDO - MALAYSIAN HACK for SDG** with the idea **Partnerships for the goals (SDG 17)**

conducted by GDSC - KSRIET and IQAC on **21. 03. 2024.**

GDSC LEAD | DIRECTOR - IQAC | PRINCIPAL, KSRIET

GDSC FEST '24

Certificate of Merit

This is to certify that Mr./Ms. *Preethika K*

of **Sri Krishna College of Technology**

has secured **Winner** position in **INDO - MALAYSIAN HACK for SDG** with the idea **Partnerships for the goals (SDG 17)**

conducted by GDSC - KSRIET and IQAC on **21. 03. 2024.**

GDSC LEAD | DIRECTOR - IQAC | PRINCIPAL, KSRIET

ECE

STUDENTS ACHIEVEMENTS

Mr. Shanmugapriyan K, Mr.Vimaladettyea K M of Second Year ECE student have secured the 2nd prize in the Technical event: Code2Duo with a cash price of Rs.2000 in Kumaraguru College of Technology

ECE

STUDENTS PARTICIPATION


KARPAGAM COLLEGE OF ENGINEERING
CERTIFICATE OF PARTICIPATION
This is to certify that
Mr. /Ms. SIVAGNANITHI of
SRI KRISHNA COLLEGE OF TECHNOLOGY
who has Participated in the event
TECHNICAL EVENT
during DHRUVA 2024 held on 15th and 16th, March 2024.
Principal


KARPAGAM COLLEGE OF ENGINEERING
CERTIFICATE OF PARTICIPATION
This is to certify that
Mr. /Ms. VIMAL VASU K of
SRI KRISHNA COLLEGE OF TECHNOLOGY
who has Participated in the event
TECHNICAL EVENT
during DHRUVA 2024 held on 15th and 16th, March 2024.
Principal


M.KUMARASAMY COLLEGE OF ENGINEERING
CERTIFICATE
OF PARTICIPATION
This is to certify that Mr./Ms. VIMAL C
of SRI KRISHNA COLLEGE OF TECHNOLOGY
has participated in "Crackathon 2.0 - 2024, A National Level Hackathon" organized by the Department of Information Technology, M. Kumarasamy College of Engineering, Karur on 14.3.2024 and 15.3.2024.
COORDINATOR HOD DEAN


M.KUMARASAMY COLLEGE OF ENGINEERING
CERTIFICATE
OF PARTICIPATION
This is to certify that Mr./Ms. SENTHILNATHAN N
of SRI KRISHNA COLLEGE OF TECHNOLOGY
has participated in "Crackathon 2.0 - 2024, A National Level Hackathon" organized by the Department of Information Technology, M. Kumarasamy College of Engineering, Karur on 14.3.2024 and 15.3.2024.
COORDINATOR HOD DEAN


PSG Institute of Technology and Applied Research
Neelambur, Coimbatore - 641062
CERTIFICATE
OF PARTICIPATION
YUKTA: 2K24
National level Technical Symposium
This to certify that Mr./Ms. SIVAGNANITHI R of SRI KRISHNA COLLEGE OF TECHNOLOGY has participated in the Technical event TECHNODIUM held during YUKTA:24 organized by PSG Institute of Technology and Applied Research on 15 & 16 March 2024.
Dr P Vetrivelan Dean Students' Union
Dr N Saravanakumar Principal


PSG Institute of Technology and Applied Research
Neelambur, Coimbatore - 641062
CERTIFICATE
OF PARTICIPATION
YUKTA: 2K24
National level Technical Symposium
This to certify that Mr./Ms. JAYTHRA E of SRI KRISHNA COLLEGE OF TECHNOLOGY has participated in the Technical event TECHNODIUM held during YUKTA:24 organized by PSG Institute of Technology and Applied Research on 15 & 16 March 2024.
Dr P Vetrivelan Dean Students' Union
Dr N Saravanakumar Principal


PSG Institute of Technology and Applied Research
Neelambur, Coimbatore - 641062
CERTIFICATE
OF PARTICIPATION
YUKTA: 2K24
National level Technical Symposium
This to certify that Mr./Ms. VITEYA SREE A of SRI KRISHNA COLLEGE OF TECHNOLOGY has participated in the Technical event TECHNODIUM held during YUKTA:24 organized by PSG Institute of Technology and Applied Research on 15 & 16 March 2024.
Dr P Vetrivelan Dean Students' Union
Dr N Saravanakumar Principal


PSG Institute of Technology and Applied Research
Neelambur, Coimbatore - 641062
CERTIFICATE
OF PARTICIPATION
YUKTA: 2K24
National level Technical Symposium
This to certify that Mr./Ms. SUJETHA S of SRI KRISHNA COLLEGE OF TECHNOLOGY has participated in the Technical event MEMORY OVER FLOW held during YUKTA:24 organized by PSG Institute of Technology and Applied Research on 15 & 16 March 2024.
Dr P Vetrivelan Dean Students' Union
Dr N Saravanakumar Principal


PSG Institute of Technology and Applied Research
Neelambur, Coimbatore - 641062
CERTIFICATE
OF PARTICIPATION
YUKTA: 2K24
National level Technical Symposium
This to certify that Mr./Ms. VIDHYA DHARSHINI S V of SRI KRISHNA COLLEGE OF TECHNOLOGY has participated in the Technical event MEMORY OVER FLOW held during YUKTA:24 organized by PSG Institute of Technology and Applied Research on 15 & 16 March 2024.
Dr P Vetrivelan Dean Students' Union
Dr N Saravanakumar Principal

ECE

STUDENTS PARTICIPATION


Neelambur, Coimbatore - 641062

CERTIFICATE

OF PARTICIPATION

YUKTA: 2024

National level Technical Symposium

This to certify that Mr./Ms. SUSHIKSHA . R S of SRI KRISHNA COLLEGE OF TECHNOLOGY has participated in the Technical event MEMORY OVERFLOW held during YUKTA:24 organized by PSG Institute of Technology and Applied Research on 15 & 16 March 2024.

Dr P Vetrivelan

Dr N Saravanakumar
Principal


PSG Institute of Technology and Applied Research

Neelambur, Coimbatore - 641062

CERTIFICATE

OF PARTICIPATION

YUKTA: 2024

National level Technical Symposium

This to certify that Mr./Ms. KABILESH K of SRI KRISHNA COLLEGE OF TECHNOLOGY has participated in the Technical event BRAIN BLAST held during YUKTA:24 organized by PSG Institute of Technology and Applied Research on 15 & 16 March 2024.

Dr P Vetrivelan
Dean Students' Union

Dr N Saravanakumar
Principal


PSG Institute of Technology and Applied Research

Neelambur, Coimbatore - 641062

CERTIFICATE

OF PARTICIPATION

YUKTA: 2024

National level Technical Symposium

This to certify that Mr./Ms. ASWIN S of SRI KRISHNA COLLEGE OF TECHNOLOGY has participated in the Technical event BRAIN BLAST held during YUKTA:24 organized by PSG Institute of Technology and Applied Research on 15 & 16 March 2024.

Dr P Vetrivelan
Dean Students' Union

Dr N Saravanakumar
Principal


PSG Institute of Technology and Applied Research

Neelambur, Coimbatore - 641062

CERTIFICATE

OF PARTICIPATION

YUKTA: 2024

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Dr P Vetrivelan
Dean Students' Union

Dr N Saravanakumar
Principal


PSG Institute of Technology and Applied Research

Neelambur, Coimbatore - 641062

CERTIFICATE

OF PARTICIPATION

YUKTA: 2024

National level Technical Symposium

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Dr P Vetrivelan
Dean Students' Union

Dr N Saravanakumar
Principal


PSG Institute of Technology and Applied Research

Neelambur, Coimbatore - 641062

CERTIFICATE

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YUKTA: 2024

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Dr P Vetrivelan
Dean Students' Union

Dr N Saravanakumar
Principal


Neelambur, Coimbatore - 641062

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Dr N Saravanakumar


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This is to recognise SUREKHA .S of II ECE - C

Register Number 727823TUEC234 of Sri Krishna College

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Team / Events and has secured I / II / III position in the SAHASVAT'24 -

Annual Sports Day Celebration for the Academic Year 2023-24 held

20/03/24

Physical Director
SAHASVAT'24

Convener
SAHASVAT'24

Patron
SAHASVAT'


Sri Krishna College of Technology

Certificate of Appreciation

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Register Number of Sri Krishna College of

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Annual Sports Day Celebration for the Academic Year 2023-24 held on

20/03/2024

Physical Director
SAHASVAT'24

Convener
SAHASVAT'24

Patron
SAHASVAT'24

ECE

STUDENTS PARTICIPATION


SAHASVAT'24 - SPORTS DAY

Sri Krishna College of Technology

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This is to recognise SUREKHA S of II ECE-C

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Physical Director SAHASVAT'24 | Convener SAHASVAT'24 | Patron SAHASVAT'24


GOETHE-ZERTIFIKAT A1
START DEUTSCH 1

A1 A2 B1 B2 C1 C2


PSG Institute of Technology and Applied Research

Neelambur, Coimbatore - 641062

CERTIFICATE OF PARTICIPATION

YUKTA: 2024

National level Technical Symposium

This to certify that Mr./Ms. ASWIN S of SRI KRISHNA COLLEGE OF TECHNOLOGY has participated in the Technical event BRAIN BLAST held during YUKTA:24 organized by PSG Institute of Technology and Applied Research on 15 & 16 March 2024.

Dr P Vetrivelan, Dean Students' Union | Dr N Saravanakumar, Principal


PSG Institute of Technology and Applied Research

Neelambur, Coimbatore - 641062

CERTIFICATE OF PARTICIPATION

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National level Technical Symposium

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Dr P Vetrivelan, Dean Students' Union | Dr N Saravanakumar, Principal


PSG Institute of Technology and Applied Research

Neelambur, Coimbatore - 641062

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YUKTA: 2024

National level Technical Symposium

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Neelambur, Coimbatore - 641062

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Dr P Vetrivelan | Dr N Saravanakumar


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SAHASVAT'24 - SPORTS DAY

Sri Krishna College of Technology

Certificate of Appreciation

This is to recognise SUREKHA S of II ECE-C

Register Number _____ of Sri Krishna College of Technology was a member of MANCHESTER [Throwball] (Men / Women) Team / Events and has secured I / II / III position in the SAHASVAT'24 - An Annual Sports Day Celebration for the Academic Year 2023-24 held on 20/03/2024

Physical Director SAHASVAT'24 | Convener SAHASVAT'24 | Patron SAHASVAT'24

ECE

FACULTY PUBLICATIONS

Dr.K.Muthulakshmi, Professor/ECE has published a research article entitled "Adaptive Wind Driven Optimization based Energy Aware Clustering Scheme for Wireless Sensor Networks" in the journal of "Technical Gazette" indexed in SCIE – March 2024

ISSN 1330-3651 (Print), ISSN 1848-6339 (Online)
https://doi.org/10.17559/TV-20230610000715
Original scientific paper

Adaptive Wind Driven Optimization based Energy Aware Clustering Scheme for Wireless Sensor Networks

K. MUTHULAKSHMI*, SUNDAR PRAKASH BALAJI, S. STEPHE, J. VIJAYALAKSHMI

Abstract: Wireless Sensor Networks (WSNs) are utilised in a variety of applications due to their capacity to capture and transmit environmental data. Clustering has emerged as an efficient method for improving energy efficiency in WSNs. To resolve these issues, we propose an Adaptive Wind Driven Optimisation based Energy Aware Clustering Scheme (AWDO-EACS) for WSNs. The AWDO-EACS model presents an extended form of the Wind Driven Optimisation (WDO) algorithm, designated AWDO, with optimised inherent term values. The proposed model takes into account multiple objectives, such as energy consumption, distance, and end-to-end latency, in order to achieve superior energy efficiency and an extended network lifetime. To validate the efficacy of the AWDO-EACS model, extensive experiments with varying node counts were carried out. In terms of network stability, energy efficiency, end-to-end latency, packet delivery ratio, throughput, packet loss rate, and network lifetime, the results demonstrate that the AWDO-EACS outperforms contemporary clustering strategies. Specifically, the AWDO-EACS obtained a significant increase in energy efficiency, with a 27.35 percent improvement over existing clustering techniques for 20 nodes and an 83.41 percent improvement for 100 nodes. In addition, the end-to-end latency was considerably reduced, with a 96-round lifetime for 20 nodes and a 74-round lifetime for 100 nodes, compared to 37 and 20 rounds, respectively, for GA-LEACH and MW-LEACH. In addition, the AWDO-EACS demonstrated superior packet delivery performance, with a 99.32% delivery ratio for 100 nodes, eclipsing the 76.90% and 82.65% of GA-LEACH and MW-LEACH, respectively. Moreover, the AWDO-EACS model demonstrated a remarkably low packet loss rate of 0.68 percent for 100 nodes, compared to 23.10 percent for GA-LEACH and 17.35 percent for MW-LEACH. The effectiveness of the proposed AWDO-EACS model in enhancing the overall performance of WSNs is demonstrated.

Keywords: clustering; energy efficiency; metaheuristics; network stability; objective function; WSN

1 INTRODUCTION

Latest developments in the domain of integrated circuit (IC) and Information Technologies (IT) result in the progression of inexpensive and compacted sized sensor nodes (SNs). WSN is a fundamental portion of IoT [1]; it creates millions of gadgets to distribute data to improve environment user management. WSN consists of a collection of several SNs placed in adhocstyle for observing and interacting with the physical environment [2]. Every individual SN is composed of 4 elements such as power supply, microcontrollers, sensors, and transceiver. The sensor in the sensing unit measures the external variables in real-time namely acoustic signal, humidity, vehicular movement, vibration, pressure, infrared, etc [3]. The sensed values are prepared by processing unit and sent to the Base Station (BS) via single-hop or through intermediary sensors using communicating unit. WSN is generally utilized in environmental monitoring and tracking application areas like border control, industrial automation, disaster management, healthcare monitoring, agriculture, etc [4]. WSN is typically arranged in areas where human involvement is hard or impossible. Energy efficiency (EE), storage, and bandwidth are assumed to be key problems in the design of WSN. Owing to restricted and non-rechargeable battery units, the existing power of the sensors need to be used proficiently. Pointing out the features of WSN, power efficacy is the main concern that impacts the entire efficiency of the network. Hence, the designing of WSN protocols needs to be simple, flexible, and EE to various environmental conditions [5]. EE is a significant challenge that typically affects the entire efficiency of the network. WSN commonly wants to persist for a longer duration with the intrinsic battery due to the fact it is hard to recharge or replace batteries in harsh atmospheres. Earlier studies verified that the quantity of energy used by sensing and processing units is lesser and it is insignificant over the energy spent for interaction. It results in the requirement of enhancing EE methods to decrease the quantity of data transmission and communication cost [6]. Clustering is a familiar EE technique in WSN that merges closer nodes to produce clusters and a leader termed as cluster head (CH) is voted amongst the SNs. The residual nodes are named cluster members (CM) and it directs the original data to CH. Followed by, the CH transmits the data to BS next to totalling the received data [7]. Clustering approach reduces the quantity of data transmission and communication distances which leads to lower energy consumption and maximum network lifespan. Using Wind Driven Optimisation (WDO) as the foundation for clustering and extending it to construct AWDO with optimised inherent term values, the research introduces a novel approach. This innovative clustering technique seeks to improve the energy efficacy of WSNs by selecting cluster leaders based on their residual energy, thereby extending the network's lifetime. Multi-objective optimisation, which simultaneously factors energy consumption, distance, and end-to-end latency, is a significant contribution of this work. The AWDO-EACS paradigm improves energy efficiency without compromising network performance by establishing a balance between these objectives [8]. This exhaustive solution addresses key challenges in WSN management, making it useful for deployments in the field. The methodology of this study involves a comprehensive comparison with extant clustering strategies, such as GA-LEACH and MW-LEACH. The AWDO-EACS model outperforms these benchmarks in terms of network stability, energy efficiency, end-to-end latency, packet delivery ratio, throughput, packet loss rate, and network lifetime, as determined by rigorous experimentation and performance evaluations. This comparative analysis validates the scientific significance of the proposed model by demonstrating its superiority. In addition, the study investigates the scalability of the AWDO-EACS model by evaluating its efficacy in various node count scenarios [9].

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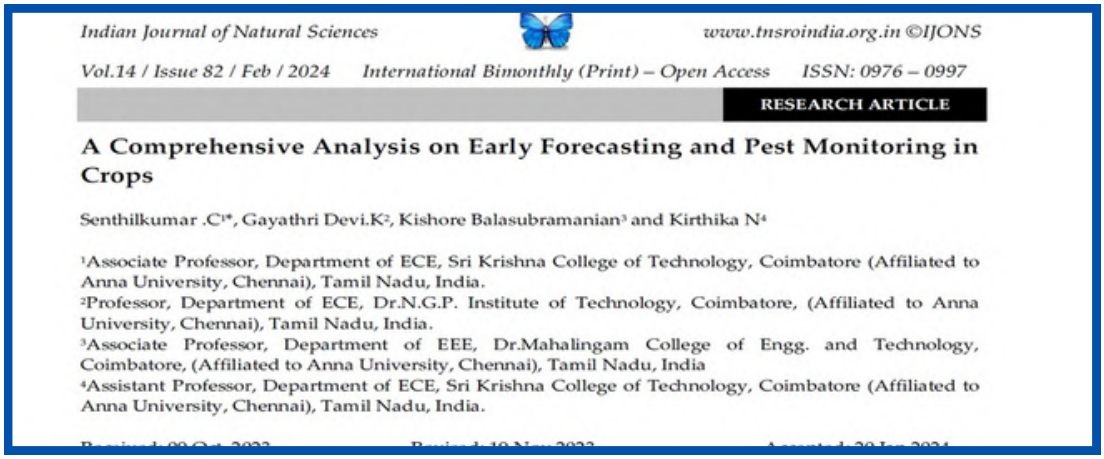
FACULTY PUBLICATIONS

Dr. C. Senthil Kumar , Associate Professor, has published a paper entitled "A Comprehensive Analysis on Early Forecasting and Pest Monitoring in Crops" in the Indian Journal of Natural Sciences on 11th March 2024 (Indexed In WoS with an Impact factor of 2.477)



Indian Journal of Natural Sciences www.tnsroindia.org.in ©IJONS

Vol.14 / Issue 82 / Feb / 2024 *International Bimonthly (Print) – Open Access* *ISSN: 0976 – 0997*

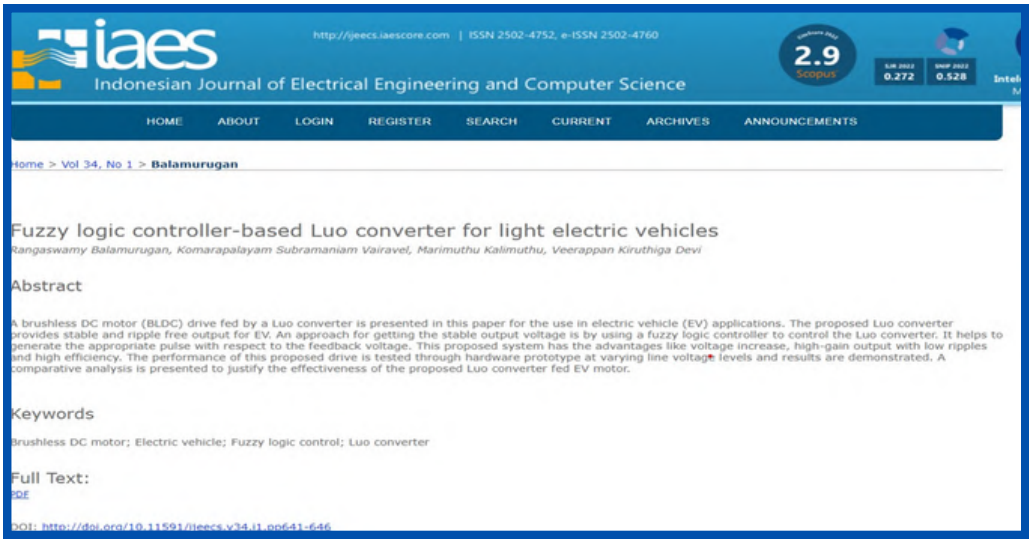
RESEARCH ARTICLE

A Comprehensive Analysis on Early Forecasting and Pest Monitoring in Crops

Senthilkumar .C[1]*, Gayathri Devi.K[2], Kishore Balasubramanian[3] and Kirthika N[4]

[1]Associate Professor, Department of ECE, Sri Krishna College of Technology, Coimbatore (Affiliated to Anna University, Chennai), Tamil Nadu, India.
[2]Professor, Department of ECE, Dr.N.G.P. Institute of Technology, Coimbatore, (Affiliated to Anna University, Chennai), Tamil Nadu, India.
[3]Associate Professor, Department of EEE, Dr.Mahalingam College of Engg. and Technology, Coimbatore, (Affiliated to Anna University, Chennai), Tamil Nadu, India
[4]Assistant Professor, Department of ECE, Sri Krishna College of Technology, Coimbatore (Affiliated to Anna University, Chennai), Tamil Nadu, India.

Mr. M.Kalimuthu, Assistant Professor published an article “Fuzzy logic controller-based Luo converter for light electric vehicles” in The Indonesian Journal of Electrical Engineering and Computer Science (IJEECS) | p-ISSN: 2502-4752 & e-ISSN: 2502-4760. This article comes under Q3 with an impact factor of 1.94, an h-index as 31, and a cite score of 2.9(Scopus).



iaes http://ijeecs.iaescore.com | ISSN 2502-4752, e-ISSN 2502-4760

Indonesian Journal of Electrical Engineering and Computer Science

2.9 Scopus 0.272 0.528

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Fuzzy logic controller-based Luo converter for light electric vehicles

Rangaswamy Balamurugan, Komarapalayam Subramaniam Vairavel, Marimuthu Kalimuthu, Veerappan Kiruthiga Devi

Abstract

A brushless DC motor (BLDC) drive fed by a Luo converter is presented in this paper for the use in electric vehicle (EV) applications. The proposed Luo converter provides stable and ripple free output for EV. An approach for getting the stable output voltage is by using a fuzzy logic controller to control the Luo converter. It helps to generate the appropriate pulse with respect to the feedback voltage. This proposed system has the advantages like voltage increase, high-gain output with low ripples and high efficiency. The performance of this proposed drive is tested through hardware prototype at varying line voltage levels and results are demonstrated. A comparative analysis is presented to justify the effectiveness of the proposed Luo converter fed EV motor.

Keywords

Brushless DC motor; Electric vehicle; Fuzzy logic control; Luo converter

Full Text:

PDF

DOI: http://doi.org/10.11591/ijeecs.v34.i1.pp641-646

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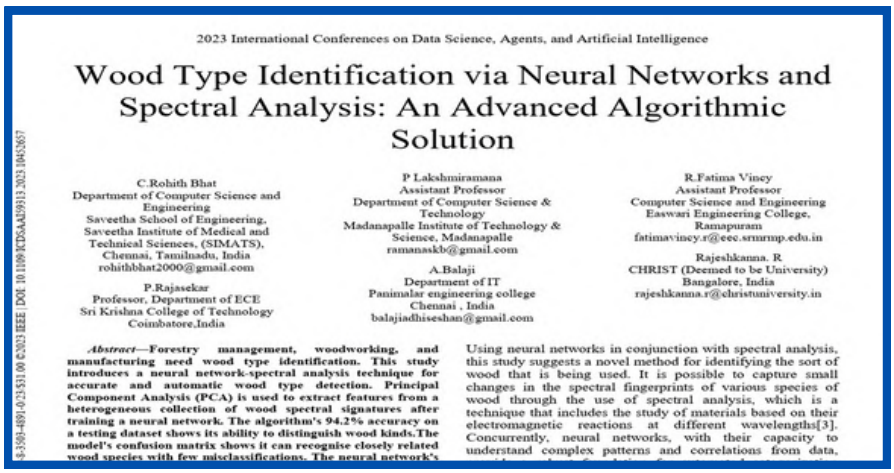
FACULTY PUBLICATIONS

Dr P Rajasekar, Professor presented a conference paper at the 2023 International Conference on Data Science, Agents & Artificial Intelligence (ICDSAAI), and this paper has been indexed in IEEE Xplore and Scopus



2023 International Conferences on Data Science, Agents, and Artificial Intelligence

Wood Type Identification via Neural Networks and Spectral Analysis: An Advanced Algorithmic Solution

C.Rohith Bhat
Department of Computer Science and Engineering
Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, (SIMATS), Chennai, Tamilnadu, India
rohithbhat2000@gmail.com

P.Rajasekar
Professor, Department of ECE
Sri Krishna College of Technology
Coimbatore,India

P Lakshmiramana
Assistant Professor
Department of Computer Science & Technology
Madanapalle Institute of Technology & Science, Madanapalle
ramanaskb@gmail.com

A.Balaji
Department of IT
Panimalar engineering college
Chennai , India
balajiadhiseshan@gmail.com

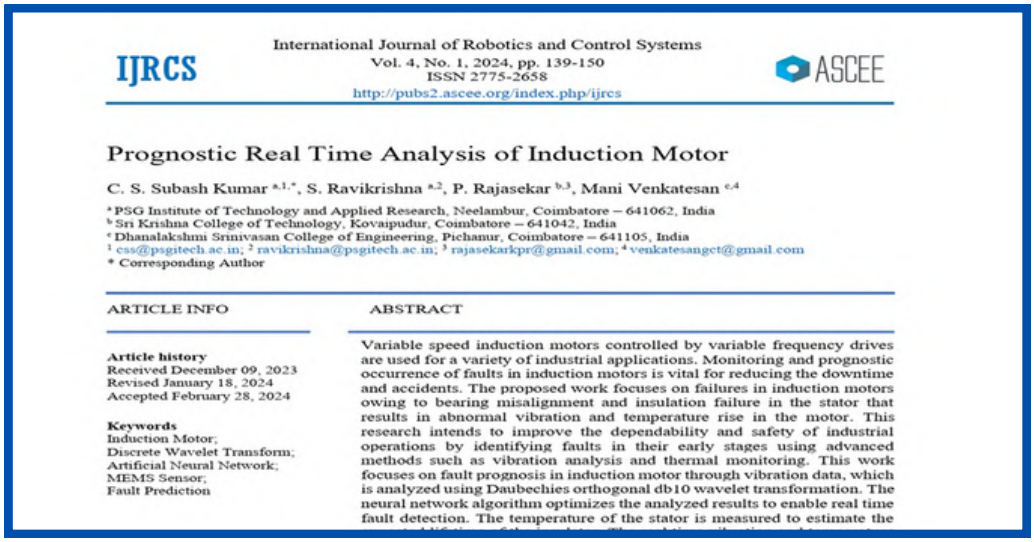
R.Fatima Viney
Assistant Professor
Computer Science and Engineering
Easwari Engineering College, Ramapuram
fatimaviney.r@eec.srmrmp.edu.in

Rajeshkanna. R
CHRIST (Deemed to be University)
Bangalore, India
rajeshkanna.r@christuniversity.in

***Abstract*—Forestry management, woodworking, and manufacturing need wood type identification. This study introduces a neural network-spectral analysis technique for accurate and automatic wood type detection. Principal Component Analysis (PCA) is used to extract features from a heterogeneous collection of wood spectral signatures after training a neural network. The algorithm's 94.2% accuracy on a testing dataset shows its ability to distinguish wood kinds.The model's confusion matrix shows it can recognise closely related wood species with few misclassifications. The neural network's**

Using neural networks in conjunction with spectral analysis, this study suggests a novel method for identifying the sort of wood that is being used. It is possible to capture small changes in the spectral fingerprints of various species of wood through the use of spectral analysis, which is a technique that includes the study of materials based on their electromagnetic reactions at different wavelengths[3]. Concurrently, neural networks, with their capacity to understand complex patterns and correlations from data,

Dr P Rajasekar, Prof/ECE, has published a research article entitled 'Prognostic Real-Time Analysis of Induction Motor,' in the International Journal of Robotics and Control Systems, a Scopus-indexed journal.



IJRCS
International Journal of Robotics and Control Systems
Vol. 4, No. 1, 2024, pp. 139-150
ISSN 2775-2658
http://pubs2.ascee.org/index.php/ijrcs
ASCEE

Prognostic Real Time Analysis of Induction Motor

C. S. Subash Kumar [a,1,*], S. Ravikrishna [a,2], P. Rajasekar [b,3], Mani Venkatesan [c,4]
[a] PSG Institute of Technology and Applied Research, Neelambur, Coimbatore – 641062, India
[b] Sri Krishna College of Technology, Kovaipudur, Coimbatore – 641042, India
[c] Dhanalakshmi Srinivasan College of Engineering, Pichanur, Coimbatore – 641105, India
[1] css@psgitech.ac.in; [2] ravikrishna@psgitech.ac.in; [3] rajasekarkpr@gmail.com; [4] venkatesanget@gmail.com
* Corresponding Author

ARTICLE INFO

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Keywords
Induction Motor;
Discrete Wavelet Transform;
Artificial Neural Network;
MEMS Sensor;
Fault Prediction

ABSTRACT

Variable speed induction motors controlled by variable frequency drives are used for a variety of industrial applications. Monitoring and prognostic occurrence of faults in induction motors is vital for reducing the downtime and accidents. The proposed work focuses on failures in induction motors owing to bearing misalignment and insulation failure in the stator that results in abnormal vibration and temperature rise in the motor. This research intends to improve the dependability and safety of industrial operations by identifying faults in their early stages using advanced methods such as vibration analysis and thermal monitoring. This work focuses on fault prognosis in induction motor through vibration data, which is analyzed using Daubechies orthogonal db10 wavelet transformation. The neural network algorithm optimizes the analyzed results to enable real time fault detection. The temperature of the stator is measured to estimate the

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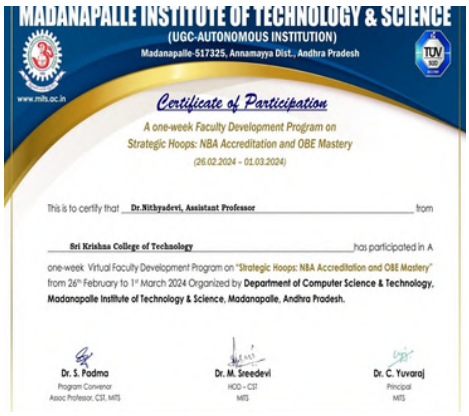
FACULTY PARTICIPATION



ECE

FACULTY PARTICIPATION

SIMATS ENGINEERING

Approved By AICTE | IET-UK Accreditation

CERTIFICATE

OF PARTICIPATION

This certificate is presented to

Mr / Ms KARTHIGAIPANDIAN M , Professor , ECE

SRI KRISHNA COLLEGE OF TECHNOLOGY

has successfully completed Six Days National Level Faculty Development Programme on "RECENT TRENDS IN NANODEVICES, MATERIALS AND ITS APPLICATIONS" from 26.02.2024 to 02.03.2024 organized by Department of Nanotechnology, SIMATS Engineering,Chennai

Convenor
Dr. Anbuselvan

Principal
Dr. B. Ramesh

NITTE (Deemed to be University) | NMAM INSTITUTE OF TECHNOLOGY

Canara Bank

Springer

International Conference on Advances in Renewable Energy & Electric Vehicles (AREEV-2023) under the aegis of ICETE-2023 multi-conference platform

CERTIFICATE

This is to certify that

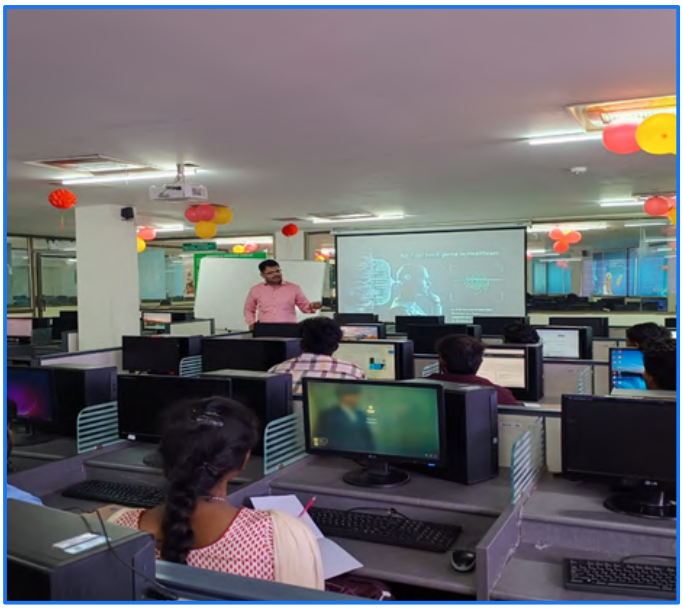
r. Karthigai Pandian M , Sri Krishna College of Technology, Kovaipudur, Coimbatore has reviewed papers in t stream 'Adavances in Renewable Energy Systems' in the conference organized by the *Department of Electrical & Electronics Engineering*, NMAM Institute of Technology, Nitte during 19 and 20 December 2023.

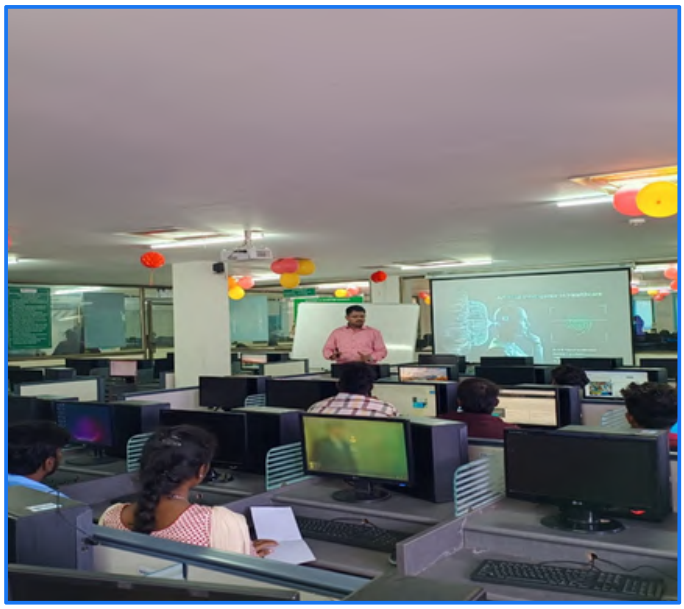
Mr. Dinesh Shetty
AREEV - Conference Secretary

Dr. Suryanarayana K
AREEV - Program Chair

Dr. Niranjan N. Chiplunkar
Principal, ICETE Chair

Dr.R.R.Thirrunavukkarasu, Assistant Professor, Department of ECE has acted as a Resource person at Karpagam College of Engineering for the Technical Workshop on AI in Healthcare





ECE

EVENTS ORGANIZED

The Department in association with Career Guidance & International Affairs Cell, organized a Seminar on "Benefits of GATE and Opportunities for Higher Studies" Resource person Dr. A.Saravana kumaran, M.E,P.hD, Manager - GATEFORUM, Radian IAS Academy, Coimbatore.

On account of INTERNATIONAL WOMEN'S DAY- 2024, We from SKCT GENDER CHAMPIONS CLUB in association with WOMEN EMPOWERMENT CELL & INTERNAL COMPLAINTS COMMITTEE organized a seminar on INVEST IN WOMEN TO ACCELERATE GLOBAL PROGRESS by the resource person Ms. Kirthika Selvaraj, Manager- HR, RPMCG, Global Service centre, Coimbatore

ECE

EVENTS ORGANIZED

The IETE Students Forum organized a Technical talk event "Pick and Talk" for the students

SERB SPONSORED Seminar on “AI IN PRECISION AGRICULTURE: TRANSFORMING FARMING FOR A SUSTAINABLE FUTURE” at Sri Krishna College of Technology, Coimbatore from 04-03-2024 to 08-03-2024.

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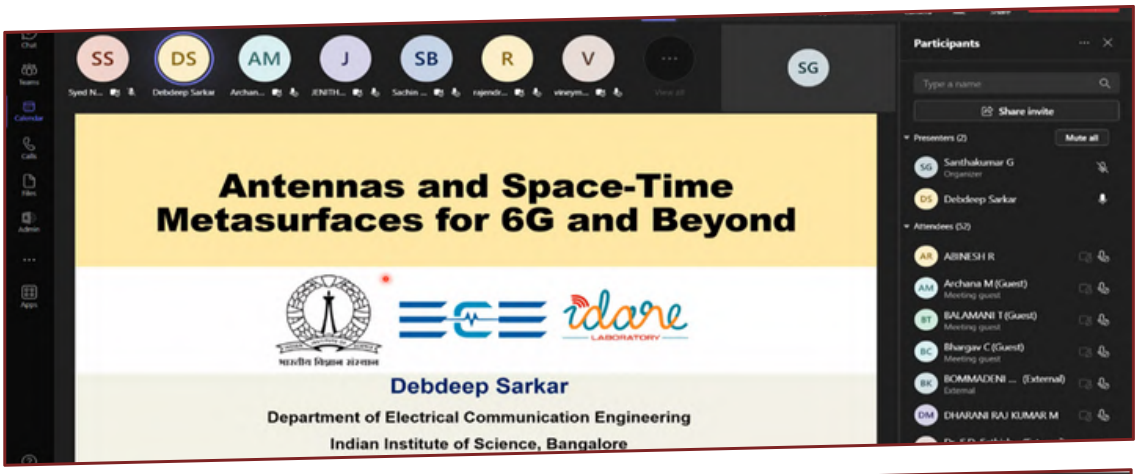
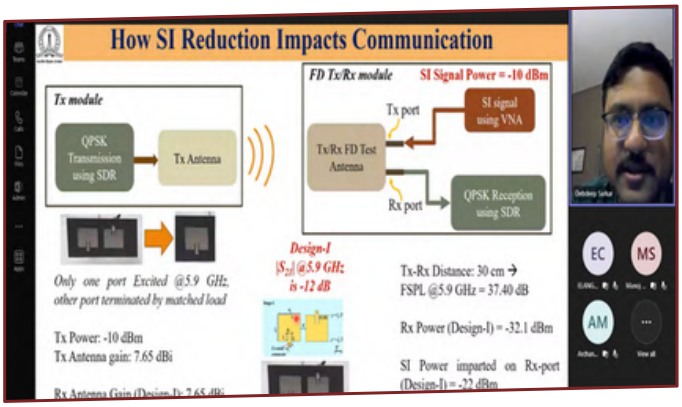
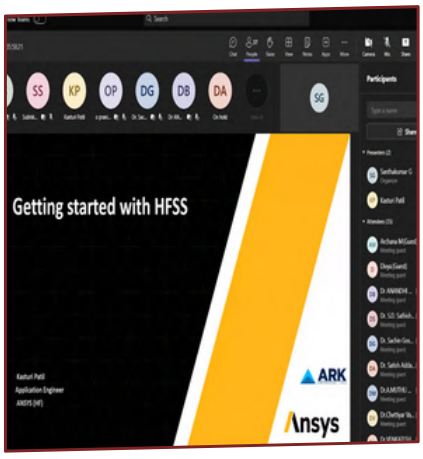
EVENTS ORGANIZED

The Department of Electronics and Communication Engineering, Sri Krishna College of Technology, Coimbatore is organizing a two days SERB Sponsored International Workshop on Antenna Design Techniques for Wireless Power Transfer: Current Trends and Future Prospects from 08-03-2024 to 09-03-2024.







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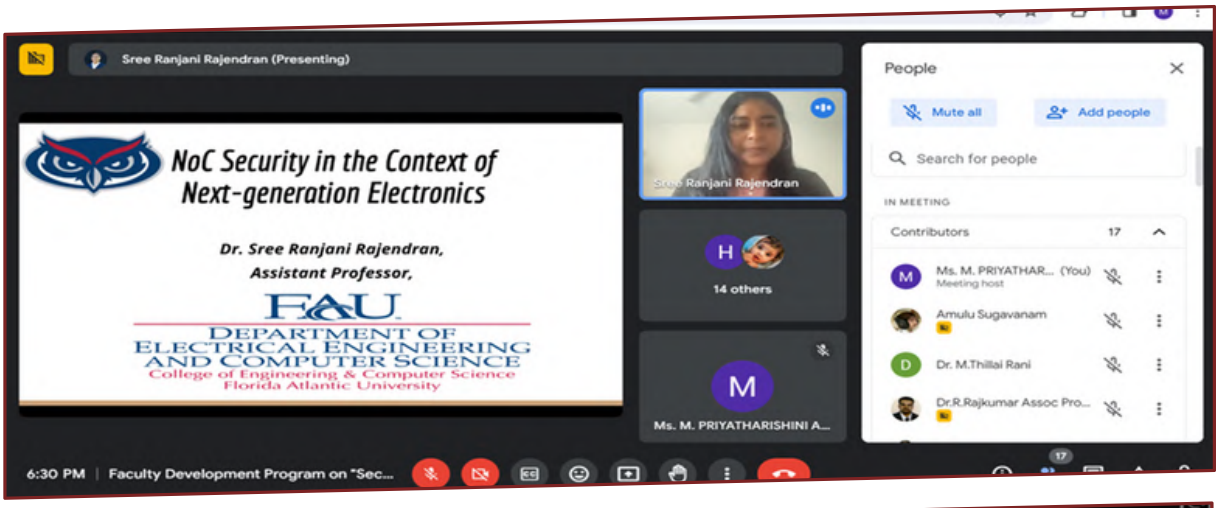
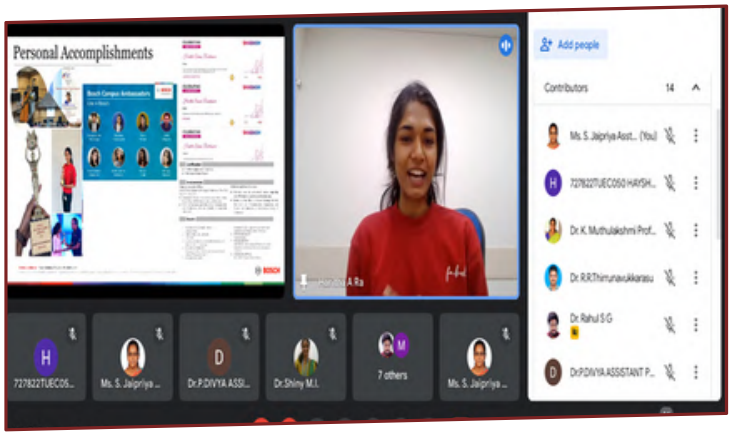
EVENTS ORGANIZED

The Department organized a Faculty Development Program on "Securing the Future: Navigating Hardware Attacks in Networked Computing" from 11-03-2024 to 15-03-2024.





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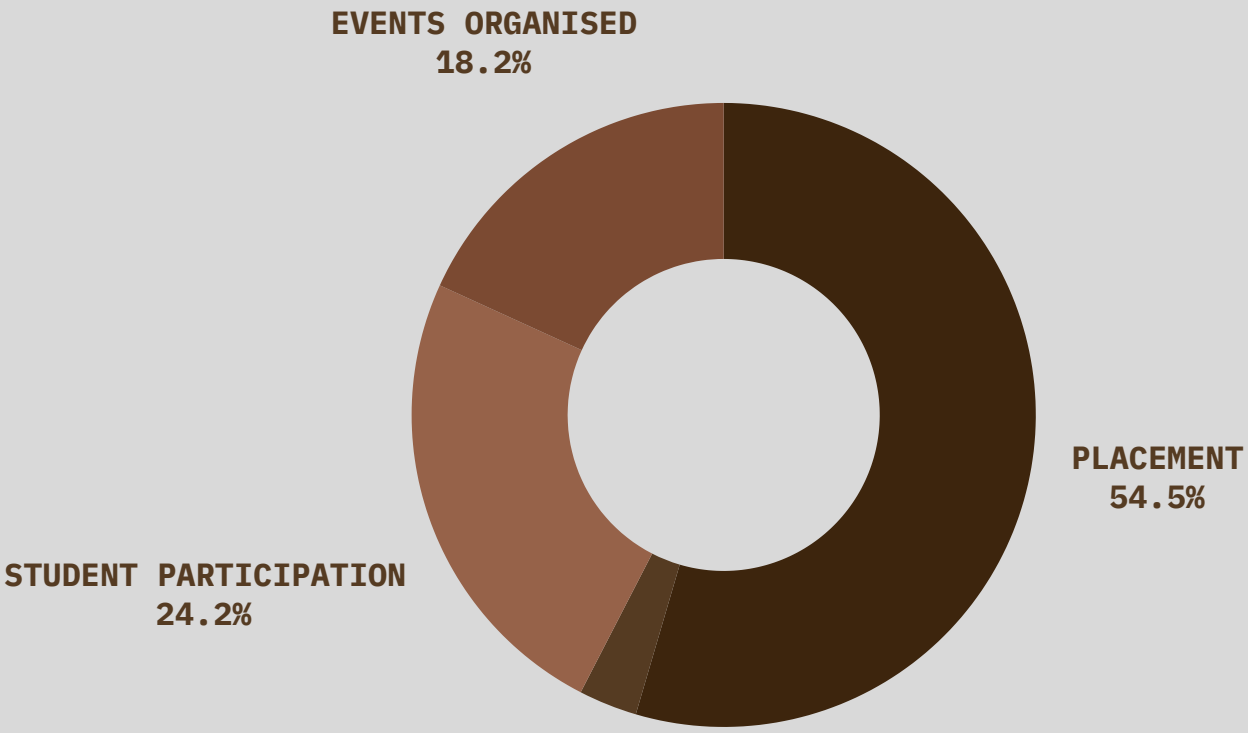
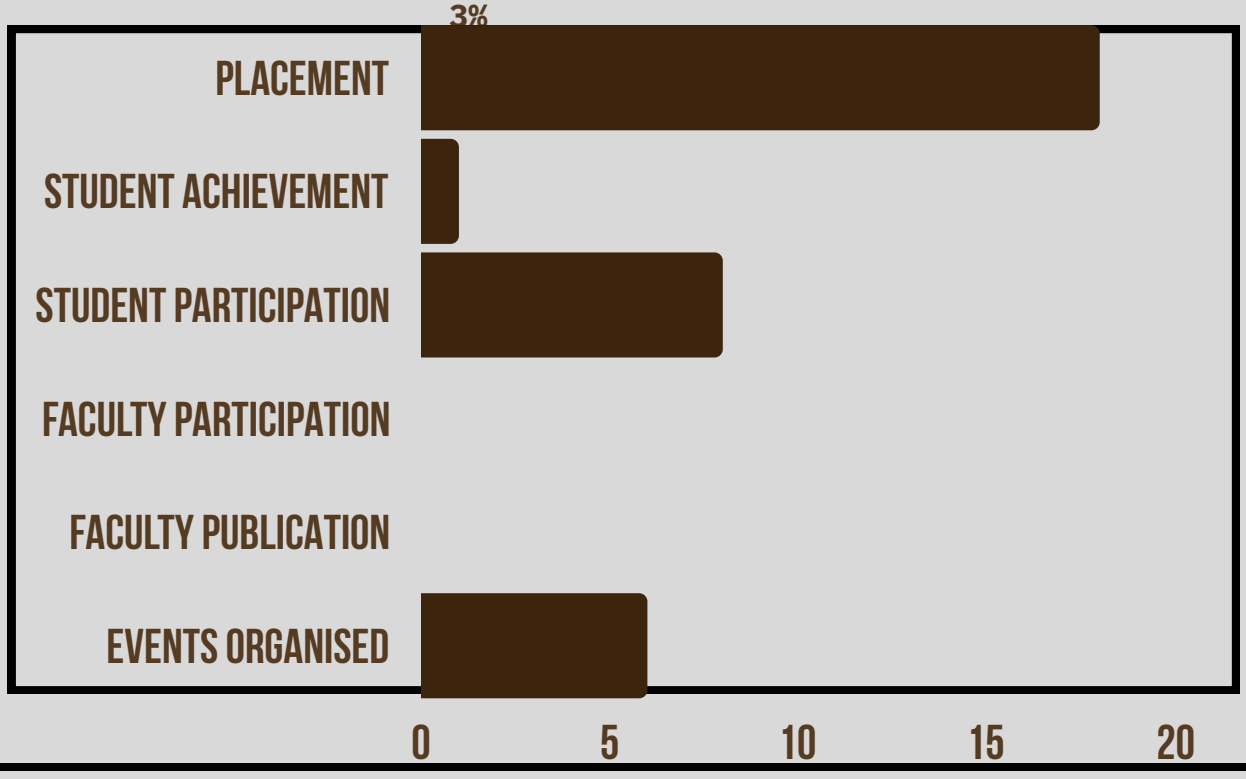
EVENTS ORGANIZED

"WORD CANVAS " organized by " OEUVRE CLUB" of Sri Krishna College of Technology was a resounding success, drawing in a diverse array of artists and enthusiasts alike. Held at main block corridor on 16/03/24, the event featured a plethora of captivating art showcasing the talents of participants and their enthusiasm.

EEE

CONTENT CONTRIBUTION





EEE

PLACEMENT

PLACEMENT ACHIEVEMENT

SRI KRISHNA INSTITUTIONS COIMBATORE

SKCT supports the Sustainable Development Goals

nirf Band 101-150 Engineering 2023

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

NAAC

Department of Electrical and Electronics Engineering

Congratulates

Mr. Ashwin S
Batch 2020-24

Mr. Dinesh K
Batch 2020-24

Mr. Jayaprakash D
Batch 2020-24

For Getting placed with

PACIFIC OCEAN ELECTRICAL SWITCH GEAR INDUSTRIES LLC

Package 3 LPA

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PLACEMENT

Sri Krishna College of Technology

An Autonomous Institution | Affiliated to Anna University

KOVAIPUDUR CAMPUS, COIMBATORE – 641 042.

Placement Achievement

Department of Electrical and Electronics Engineering

Congratulates

NITHILAN M
Batch 2020 - 24

KATHIRVEL K
Batch 2020 - 24

For receiving offer letter from

Pinnacle INFOTECH

CTC 3.00 LPA

Visit Our Website skct.edu.in

/SKCTOfficial

EEE

STUDENT ACHIEVEMENT

Mr. Dyanesh S , student from the third-year EEE department has emerged as one of the 45 delegates representing Tamilnadu selected from a staggering 35,000-plus applications in Yuva Sangam Phase 4.

Announcement on Yuva Sangam Phase - IV - reg.

External Inbox

EBSB CLUB 28 Feb
to EBSB, bcc: me

Dear Delegate,

Greetings from IIIT Tiruchirappalli !!!

We wish to inform you that you are provisionally selected to participate in Yuva Sangam Phase - IV, i.e. educational-cum-cultural tour, to Uttarakhand.

The tentative schedule of travel is 20th to 31st March 2024.
Kindly confirm your participation before 1.00 PM on 29.02.2024 in a reply to this email.

Regards,
Team,
EBSB, IIITT

EEE

STUDENT PARTICIPATION

Mr. Ravichandran, Mr. Sripathy, Mr.Subbiah & Mr. Kamalanathann Mr. Jeevan Prasad, Mr. Arun Kingston, Mr. Dinesh, Ms. Harinisri has presented their paper in 10th International Conference on Advanced Computing and Communication Systems at Sri Eshwar College of Engineering, Coimbatore on 14 March 2024. Both the teams have received Best Paper award by the conference chair.

EEE

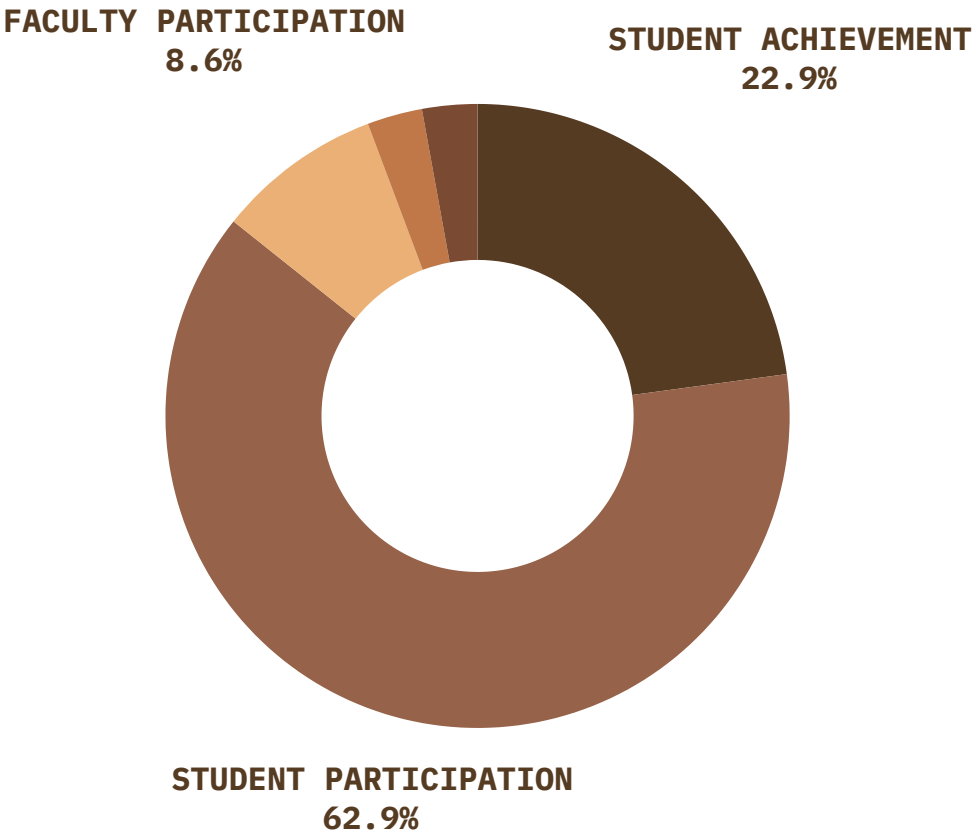
EVENT ORGANIZED

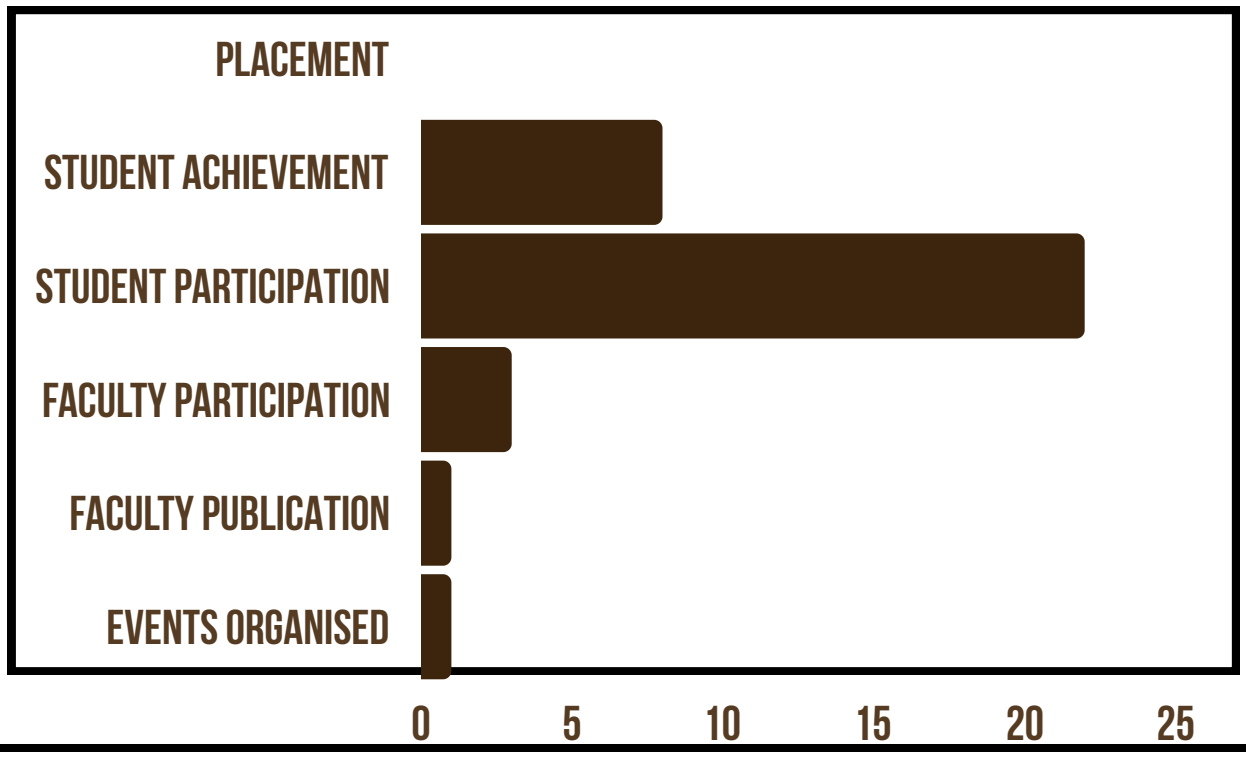
EEE

EVENT ORGANIZED

IT

CONTENT CONTRIBUTION





IT

STUDENT ACHIEVEMENT

Ms. Abinaya V, Mr.Janarthanan.V and Mr. Jayanthan. S, students of II Year secured First place in Pixcel Perfection event in ELANZAA 2024 conducted at Bannari Amman Institute of Technology

Mr.Jeeva K, II year Student secured First CODE BUSTER, KRIYA 2024 at PSG College of Technology

IT

STUDENT ACHIEVEMENT

Ms. Abinaya V, II Year Student secured Second Place in Eco COUTURE CANVAS SUSTAINABLE CREATION during KRIYA 2024 organized by PSG College of Technology, Coimbatore.

Ms.S.Priyadharshikka J, is recognized as the Campus Ambassador for Rinex Educational Research Centre.

IT

STUDENT ACHIEVEMENT

Ms. Lakshanya .V.H , II yearStudent has Secured Third prize in Blind Coding Contest at Avantaa ' 24 Techno Management Fest organized by Sri Krishna College of Technology, Coimbatore.

Mr. Janarthanan.V, II Year Student Has Secured 1st Prize In Code Debugging And 1st Prize - Tech Connection At (Rgf'24), A Technical Fest Organized By Rathinam College Of Engineering.

IT

STUDENT ACHIEVEMENT

Mr.Dharshan.S, II Year Student has Secured 1st place in “Ideas Illustrated” and Third place in “Connectionz” In Innovatix 2024 conducted in Kongu Engineering College

Ms.Vishmaya V and Ms.Sharon Reshma A, II year Students have been awarded the Runner up position in HackHerthon 24 organized by AIC Raise Business Incubator.

IT

STUDENT PARTICIPATION


KONGU ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CSEA CERTIFICATE OF PARTICIPATION
This is to certify that
MOULEENA. R B.TECH-IT-II
SRI KRISHNA COLLEGE OF TECHNOLOGY
actively participated in the following events at CRESCITA 2024, a National Level Tec
held on March 2nd, 2024.
Byte Grable (Coding Event) Insight Scape (Quiz & Tech Talk)
His/Her enthusiastic involvement and engagement added value to the event.
Ms.S.Ramya
Faculty Incharge/CCC
Dr.S.Shanthi
Faculty Incharge/CSEA
Dr.S.Malliga
Head of the Department/CSE


KONGU ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CSEA CERTIFICATE OF PARTICIPATION
This is to certify that
Mr/Ms. KIRUTHIKASSRE V.G B.TECH-IT-II
SRI KRISHNA COLLEGE OF TECHNOLOGY
has actively participated in the following events at CRESCITA 2024, a National Level Technical
Symposium held on March 2nd, 2024.
Byte Grable (Coding Event) Insight Scape (Quiz & Tech Talk)
His/Her enthusiastic involvement and engagement added value to the event.
Ms.S.Ramya
Faculty Incharge/CCC
Dr.S.Shanthi
Faculty Incharge/CSEA
Dr.S/Malliga
Head of the Department/CSE


FRANCIS XAVIER ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
DEPARTMENT OF INFORMATION TECHNOLOGY
IN ASSOCIATION WITH ICONIX SOFTWARE SOLUTION
4th INTERNATIONAL CONFERENCE ON ADVANCED COMPUTING AND COMMUNICATION TECHNOLOGY
ICACCT '24
This is to certify that Dr./Mr./Ms. RUTHRAA K
has presented a paper entitled IoT-enabled system to monitor Asylum patients and Prisoners using ThingSpeak Cloud
in the International Conference on "Advanced Computing and Communication Technolo
('24) Organized by Department of Information Technology in Association with I
Solution held at Francis Xavier Engineering College on 23rd February 2024.
Dr. R. Saravanakumar
Dr. J. B. Shajilin Loret


KONGU ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CSEA CERTIFICATE OF PARTICIPATION
This is to certify that
Ms. KAVIYA A B.Tech-IT-II
SRI KRISHNA College of Technology
actively participated in the following events at CRESCITA 2024, a National Level Techni
posium held on March 2nd, 2024.
Fortune Quest (Treasure Hunt) Game On Arena (E-Games) Curiosity Casket (Fun Games)
His/Her enthusiastic involvement and engagement added value to the event.
Dr.S.Shanthi
Faculty Incharge/CSEA
Dr.S.Malliga
Head of the Department/CSE


KONGU ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CSEA CERTIFICATE OF PARTICIPATION
This is to certify that
Ms. KAVIYA A B.TECH-IT-II
SRI KRISHNA COLLEGE OF TECHNOLOGY
actively participated in the Paper/Project Presentation titled DYNAMIC ROBOTICS IN SURGERY
conducted as a part of CRESCITA 2024, a National Level Technical Symposium held on March 2nd,
Her contribution demonstrated dedication, knowledge, and innovation in the field of study.
Dr.S.Shanthi
Faculty Incharge/CSEA
Dr.S.Malliga
Head of the Department/CSE


KONGU ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CSEA CERTIFICATE OF PARTICIPATION
This is to certify that
Ms. KAVIYA A B.TECH-IT-II
SRI KRISHNA COLLEGE OF TECHNOLOGY
actively participated in the following events at CRESCITA 2024, a National Level Tech
posium held on March 2nd, 2024.
Byte Grable (Coding Event) Insight Scape (Quiz & Tech Talk)
His/Her enthusiastic involvement and engagement added value to the event.
Ms.Ramya
Faculty Incharge/CCC
Dr.S.Shanthi
Faculty Incharge/CSEA
Dr.S.Malliga
Head of the Department/CSE


FRANCIS XAVIER ENGINEERING COLLEGE
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4th INTERNATIONAL CONFERENCE ON ADVANCED COMPUTING AND COMMUNICATION TECHNOLOGY
ICACCT '24
certify that Dr./Mr./Ms. RUTHRAA K
a paper entitled IoT-enabled system to monitor Asylum patients and Prisoners using ThingSpeak Cloud
International Conference on "Advanced Computing and Communication Technolo
'24) Organized by Department of Information Technology in Association with I
Solution held at Francis Xavier Engineering College on 23rd February 2024.
Dr. R. Saravanakumar
Dr. J. B. Shajilin Loret


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INTERNATIONAL CONFERENCE ON ADVANCED COMPUTIN AND COMMUNICATION TECHNOLOGY
ICACCT '24
rtify that Dr./Mr./Ms. R SANJAI
paper entitled IoT-enabled system to monitor Asylum patients and Prisoners using ThingSpeak Cloud
ernational Conference on "Advanced Computing and Communication Techn
4) Organized by Department of Information Technology in Association wit
lution held at Francis Xavier Engineering College on 23rd February 2024.
Dr. R. Saravanakumar
Dr. J. B. Shajilin Loret


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IN ASSOCIATION WITH ICONIX SOFTWARE SOLUTION
INTERNATIONAL CONFERENCE ON ADVANCED COMPUTIN AND COMMUNICATION TECHNOLOGY
ICACCT '24
rtify that Dr./Mr./Ms. ANUSRI K
paper entitled Transformers Algorithm-based University Query
rnational Conference on "Advanced Computing and Communication Techn
4) Organized by Department of Information Technology in Association wit
lution held at Francis Xavier Engineering College on 23rd February 2024.
Dr. R. Saravanakumar
Dr. J. B. Shajilin Loret

IT

STUDENT PARTICIPATION


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ICACCT '24
rtify that Dr./Mr./Ms. JANANI B S
paper entitled Transformers Algorithm-based University Query
ernational Conference on "Advanced Computing and Communication Tech
4) Organized by Department of Information Technology in Association wi
lution held at Francis Xavier Engineering College on 23rd February 2024.
heepak Mr. R. Saravanakumar Dr. J. B. Shajilin Loret Dr. V. Vel


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ICACCT '24
rtify that Dr./Mr./Ms. KAVIYA S
paper entitled Transformers Algorithm-based University Query
ernational Conference on "Advanced Computing and Communication Tech
4) Organized by Department of Information Technology in Association wit
lution held at Francis Xavier Engineering College on 23rd February 2024.
heepak Mr. R. Saravanakumar Dr. J. B. Shajilin Loret Dr. V. Vel


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ICACCT '24
rtify that Dr./Mr./Ms. ASHISH
paper entitled Monitoring of Soil Parameters and Controlling of Soil M
ernational Conference on "Advanced Computing and Communication Techn
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lution held at Francis Xavier Engineering College on 23rd February 2024.
heepak Mr. R. Saravanakumar Dr. J. B. Shajilin Loret Dr. V. Vel


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ICACCT '24
rtify that Dr./Mr./Ms. GOKUL V
paper entitled Monitoring of Soil Parameters and Controlling of Soil I
ernational Conference on "Advanced Computing and Communication Techn
4) Organized by Department of Information Technology in Association wit
lution held at Francis Xavier Engineering College on 23rd February 2024.
heepak Mr. R. Saravanakumar Dr. J. B. Shajilin Loret Dr. V. Vel


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rtify that Dr./Mr./Ms. NAVEEN R K
paper entitled Monitoring of Soil Parameters and Controlling of Soil I
ernational Conference on "Advanced Computing and Communication Techn
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lution held at Francis Xavier Engineering College on 23rd February 2024.
heepak Mr. R. Saravanakumar Dr. J. B. Shajilin Loret Dr. V. Vel


Dr. N.G.P. Institute of Technology
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HENOSIS
THE FUSION OF TECHNO CULTURAL EVENTS
This is to certify that NITHYASRI D D
of SRI KRISHNA COLLEGE OF TECHNOLOGY
has participated in the DATA OLYMPIAD event during
the Henosis 2K24 held at NGP iTECH
on March 04th & 05th 2K24
Principal


Dr. N.G.P. Institute of Technology
(An Autonomous Institution)
COIMBATORE - 641048
HENOSIS
THE FUSION OF TECHNO CULTURAL EVENTS
This is to certify that NITHYASHRI D D II IT
of SRI KRISHNA COLLEGE OF TECHNOLOGY
has participated in the UXSCAPE event during
the Henosis 2K24 held at NGP iTECH
on March 04th & 05th 2K24
Principal


Dr. N.G.P. Institute of Technology
(An Autonomous Institution)
COIMBATORE - 641048
HENOSIS
THE FUSION OF TECHNO CULTURAL EVENTS
This is to certify that JYOTSNA N
of SRI KRISHNA COLLEGE OF TECHNOLOGY
has participated in the DATA OLYMPIAD event during
the Henosis 2K24 held at NGP iTECH
on March 04th & 05th 2K24
Principal


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COIMBATORE - 641048
HENOSIS
THE FUSION OF TECHNO CULTURAL EVENTS
This is to certify that JYOTSNA N
of Sri krishna college of technology
has participated in the ADVENTURE QUEST event during
the Henosis 2K24 held at NGP iTECH
on March 04th & 05th 2K24
Principal

IT

STUDENT PARTICIPATION

IT

STUDENT PARTICIPATION


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COIMBATORE - 641048
HENOSIS
THE FUSION OF TECHNO CULTURAL EVENTS
This is to certify that RAGUNATHAN V B
of SRI KRISHNA COLLEGE OF TECHNOLOGY
has participated in the DATA OLYMPIAD event during
the Henosis 2K24 held at NGP iTECH
on March 04th & 05th 2K24
Principal


Dr. N.G.P. Institute of Technology
(An Autonomous Institution)
COIMBATORE - 641048
HENOSIS
THE FUSION OF TECHNO CULTURAL EVENTS
This is to certify that LATHIKA K II IT
of SRI KRISHNA COLLEGE OF TECHNOLOGY
has participated in the UNSCAPE event during
the Henosis 2K24 held at NGP iTECH
on March 04th & 05th 2K24
Principal


ARAJ ANNAPACKIAM CSI COLLEGE OF ENGINEER
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
MARGOSCHIS NAGAR, NAZARETH - 628617
CERTIFICATE OF APPRECIATION
s is to certify that Mr. / Ms. / Mrs. K. Mythili
Sri Krishna College of Technology, Coimbatore
has acted as Resource person for Students Development Programme in
CS3491 - Artificial Intelligence and Machine Learning
Organized by Department of Computer Science and Engineering in collaboration
with R & D Cell and CSI Chapter on 8, 9, 11 of March 2024.
CO-ORDINATORS
CONVENOR
PRINCIPAL

Ms. Mathimalar.K, Ms, Kavipriyaa.S and Ms. Jothika.V, II Year Students participated in INOVATIX-2024 in Kongu Engineering College in the events :Code Combat (Technical), Techie tournament(Technical) , Team Brain (Non-Technical).

IT

FACULTY PARTICIPATION


ARAJ ANNAPACKIAM CSI COLLEGE OF ENGINEER
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
MARGOSCHIS NAGAR, NAZARETH - 628617

CERTIFICATE OF APPRECIATION

s is to certify that Mr. / Ms. / Mrs. K. Mythili
Sri Krishna College of Technology, Coimbatore

has acted as **Resource person** for Students Development Programme in
CS3491 - Artificial Intelligence and Machine Learning
Organized by Department of Computer Science and Engineering in collaboration with R & D Cell and CSI Chapter on 8, 9, 11 of March 2024.

CO-ORDINATORS — CONVENOR — PRINCIPAL
r. G. Indra Navaroj, ASP/CSE
Dr. P. Edwin Dhas, ASP/CSE
Dr. G. Jemilda
Dr. S. Jeyakumar


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ICACCT '24
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a paper entitled Monitoring of Soil Parameters and Controlling of Soil Moi
International Conference on "Advanced Computing and Communication Technol
'24) Organized by Department of Information Technology in Association with I
Solution held at Francis Xavier Engineering College on 23rd February 2024.
to Theepak — Mr. R. Saravanakumar — Dr. J. B. Shajilin Loret — Dr. V. Vel Mu


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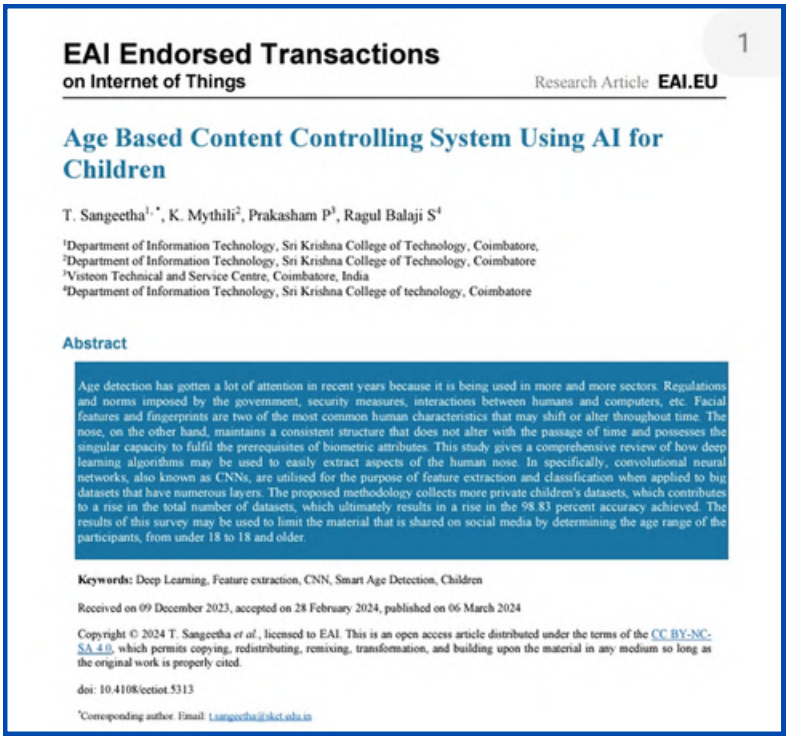
NATIONAL CONFERENCE ON ADVANCED COMPUTING AND COMMUNICATION TECHNOLOGY
ICACCT '24
Dr./Mr./Ms. C RAJESHKUMAR
titled Transformers Algorithm-based University Query Bo
l Conference on "Advanced Computing and Communication Technol
ized by Department of Information Technology in Association with
d at Francis Xavier Engineering College on 23rd February 2024.
Mr. R. Saravanakumar — Dr. J. B. Shajilin Loret — Dr. V. Vel M

Ms.T.Sangeetha and Ms.K.Mythili, Assistant Professor have published a paper on "Age Based Content Controlling System using AI for Children" in the EAI Endorsed Transactions, a Scopus Indexed Journal.


EAI Endorsed Transactions
on Internet of Things
Research Article EAI.EU
1

Age Based Content Controlling System Using AI for Children

T. Sangeetha[1,*], K. Mythili[2], Prakasham P[3], Ragul Balaji S[4]

[1]Department of Information Technology, Sri Krishna College of Technology, Coimbatore,
[2]Department of Information Technology, Sri Krishna College of Technology, Coimbatore
[3]Visteon Technical and Service Centre, Coimbatore, India
[4]Department of Information Technology, Sri Krishna College of technology, Coimbatore

Abstract

Age detection has gotten a lot of attention in recent years because it is being used in more and more sectors. Regulations and norms imposed by the government, security measures, interactions between humans and computers, etc. Facial features and fingerprints are two of the most common human characteristics that may shift or alter throughout time. The nose, on the other hand, maintains a consistent structure that does not alter with the passage of time and possesses the singular capacity to fulfil the prerequisites of biometric attributes. This study gives a comprehensive review of how deep learning algorithms may be used to easily extract aspects of the human nose. In specifically, convolutional neural networks, also known as CNNs, are utilised for the purpose of feature extraction and classification when applied to big datasets that have numerous layers. The proposed methodology collects more private children's datasets, which contributes to a rise in the total number of datasets, which ultimately results in a rise in the 98.83 percent accuracy achieved. The results of this survey may be used to limit the material that is shared on social media by determining the age range of the participants, from under 18 to 18 and older.

Keywords: Deep Learning, Feature extraction, CNN, Smart Age Detection, Children

Received on 09 December 2023, accepted on 28 February 2024, published on 06 March 2024

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doi: 10.4108/eetiot.5313

*Corresponding author. Email: t.sangeetha@skct.edu.in

IT

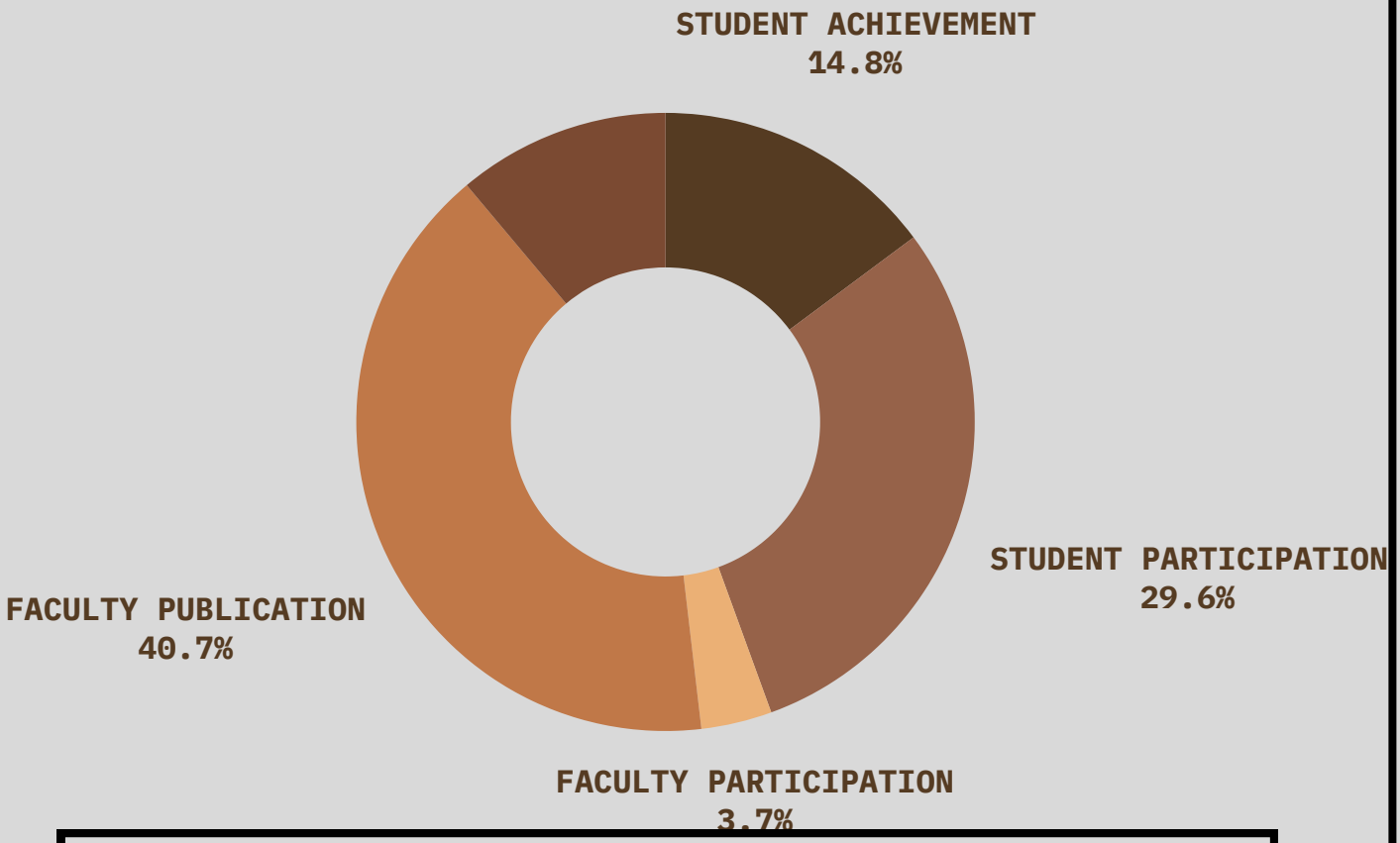
EVENT ORGANIZED

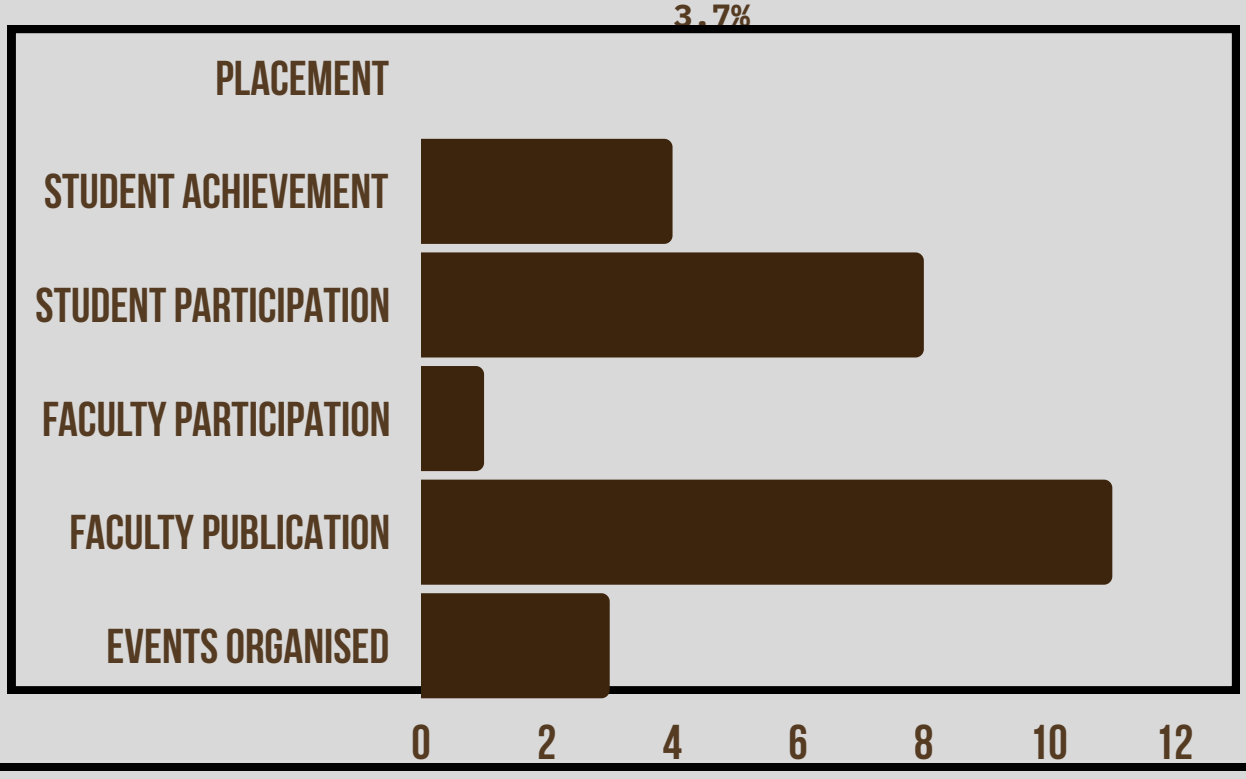
The Department in Association with Enciphers club and IIC organized A Hands-on Session on Innovation in Virtual Reality

VOL 24 ※ ISSUE 03 ※ ISBN - 978-93-5895-815 ※ MARCH 24

MECH

CONTENT CONTRIBUTION





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MECH

STUDENT ACHIEVEMENT

Team Spartans from SAE Club participated in a National level event on Kart Designing and Racing Championship at HICET and Kari Motor Speedway Race Track, Coimbatore and bagged

1. The Best business plan award with a cash prize of Rs. 5000/-
2. The best acceleration award with a cash prize of Rs. 5000/-
3. The best female award (Kalpana Chawla Award) with a cash prize of Rs. 5000/-
4. Overall Winner in IC Engine Category with a cash prize of Rs. 50000/-

Mentors:

1.Mr M Rajeswaran

2.Mr K Senthil Kumar.

MECH

STUDENT ACHIEVEMENT

Dr M G Sumithra, Principal, appreciated the Students of I B.E. for securing the top three positions in Nov/Dec 2023 End-semester Examination.

1. Mr Vigneshwara Pragadish Raja K (9.05 CGPA)
2. Mr Hemachandru D (9.0 CGPA)
3. Mr Shaam R (8.62 CGPA) & Mr Irwin Sam A (8.62 CGPA)

MECH

STUDENT ACHIEVEMENT

Mr NITHIN Y J, Student of III year participated in Tamil Nadu level - Swadeshi Jagran Manch - Youth to Entrepreneurship Ideathon - 2024 organised by UIT Coimbatore and bagged the Third place with a cash award of Rs. 8000/-

MECH

STUDENT ACHIEVEMENT

Mr Nitheshwaran K, Student of III year participated in UDHAYAM - 2024 organised by KIT Coimbatore and bagged the First prize in CAD MODELLING with a cash prize of Rs. 2500/-

KIT- KALAIGNARKARUNANIDHI INSTITUTE OF TECHNOLOGY
An Autonomous Institution, Coimbatore - 641402.
Approved by AICTE and Affiliated to Anna University, Chennai

Certificate
OF APPRECIATION

This is to certify that Mr./~~Ms.~~ NITHESHWARAN.K
of ~~III~~/III/~~IV~~ year MECHANICAL SRI KRISHNA COLLEGE OF TECHNOLOGY
has participated / won I/~~II/III~~ Prize in the event C.A.D MODELLING
at **UDHAYAM'24** - An Intercollegiate Technical and Cultural Fest held on 01 March 2024.

Principal CEO

MECH

STUDENT PARTICIPATION

Mr. Sachin A, Mr Shabareesh S K, Mr Prithip and Mr Sangameshwaran T Students from III Year attended Advanced Product Quality Management in Automotive Industries organised by SAE India

Mr Dharshan S and Mr Suriya Moorthi M from II Year attended Yugam 24 organised by Kumuraguru College of Technology.

MECH

STUDENT PARTICIPATION

The NSS unit of SKCT in association with The Ashwin Maharaj Foundation organised Music Therapy for cancer patients at Government Medical College Hospital, Coimbatore.

Students Volunteers

1. Mathaneeshwaran C - Mechanical Department
2. Vijayvel M R - Mechanical Department

MECH

FACULTY PARTICIPATION

Mr.P.Venkataramanan under the guidance of Dr.P.Prathap, Professor, Department of Mechanical Engineering, SKCT has defended his final viva

MECH

FACULTY PUBLICATION

Dr M Varatharajulu, Assoc. Professor, published a research article on "Exploring Epitaxial Grain Growth and Marangoni-Induced Conversion in Columnar Dendrites: A Study of Inconel 718 AdditiAve Manufacturing Via Direct Laser Energy Deposition" in the Surface Review and Letters. Publisher World Scientific (WoS Indexed article with an impact factor of 1.1).

Surface Review and Letters

Article Title:	Exploring Epitaxial Grain Growth and Marangoni-Induced Conversion in Columnar Dendrites: A Study of Inconel 718 Additive Manufacturing Via Direct Laser Energy Deposition
Author(s):	M. Varatharajulu, Muthukannan Duraiselvam, G. V. Krishna Pradeep, B. Jagadeesh
DOI:	10.1142/S0218625X24501026
Received:	05 July 2023
Accepted:	11 February 2024
To be cited as:	M. Varatharajulu *et al.*, Exploring Epitaxial Grain Growth and Marangoni-Induced Conversion in Columnar Dendrites: A Study of Inconel 718 Additive Manufacturing Via Direct Laser Energy Deposition, *Surface Review and Letters*, doi: 10.1142/S0218625X24501026
Link to final version:	https://doi.org/10.1142/S0218625X24501026

MECH

FACULTY PUBLICATION

A patent on "An improvised scooter boot space for organ/drug transportation based on Peltier effect" filed with SKCT as applicant is granted by the Indian Patent Office.

Inventors:

1. Dr S Sundararaj, Prof/Mech
2. Dr R Ganesh, AP/S&H
3. Mr Sripragash, Alumnus/Mech (Batch 2019-2023)
4. Mr Deepanraj, Alumnus/EEE (Batch 2019-2023)

INTELLECTUAL PROPERTY INDIA

The Patent Office, Government Of India

Patent Certificate

(Rule 74 of The Patents Rules)

Patent No.	:	519308
Application No.	:	202141053636
Date of Filing	:	22/11/2021
Patentee	:	SRI KRISHNA COLLEGE OF TECHNOLOGY

It is hereby certified that a patent has been granted to the patentee for an invention entitled *AN IMPROVISED SCOOTER BOOT SPACE FOR ORGAN/DRUG TRANSPORTATION BASED ON PELTIER MODULES* as disclosed in the above mentioned application for the term of 20 years from the 22nd day of November 2021 in accordance with the provisions of the Patents Act,1970.

Date of Grant : 04/03/2024

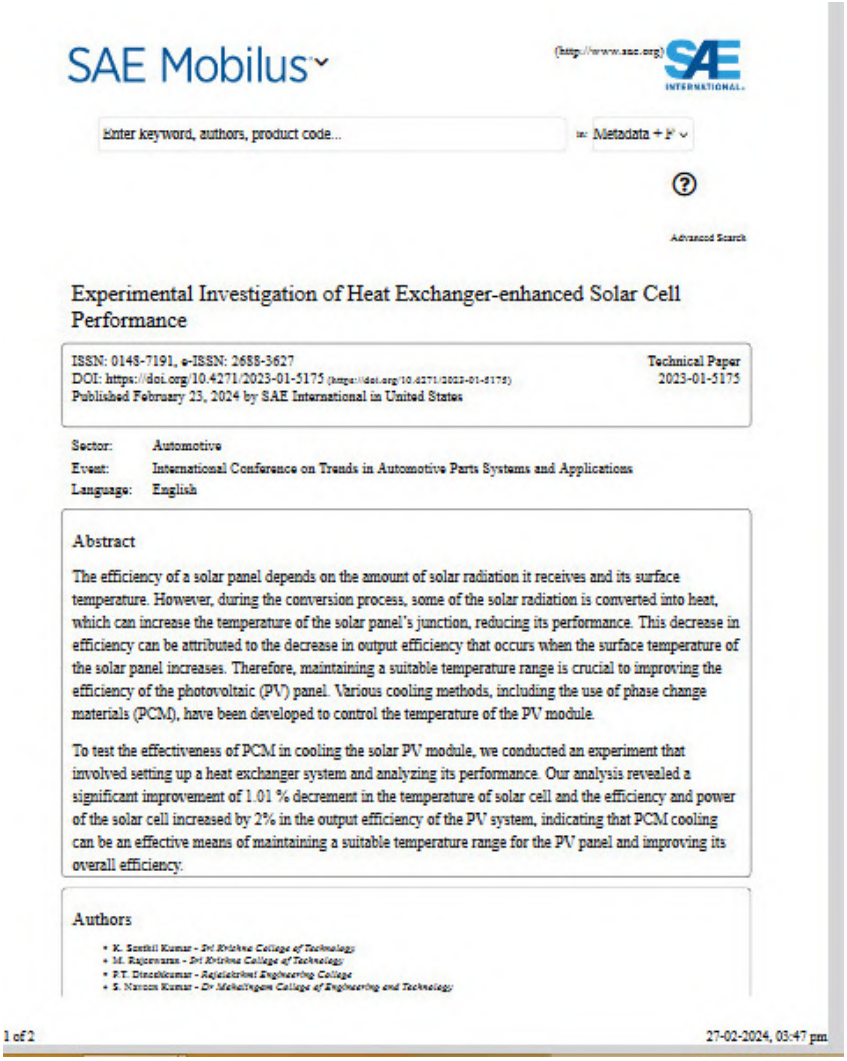
Controller of Patents

Note. - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 22nd day of November 2023 and on the same day in every year thereafter.

MECH

FACULTY PUBLICATION

Mr K Senthil Kumar, Mr M Rajeswaran, Assistant Professors, Department of Mechanical Engineering and Students published an article on “Experimental Investigation of Heat Exchanger-Enhanced Solar Cell Performance” in SAE Technical Paper with DOI: https://doi.org/10.4271/2023-01-5175.



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Advanced Search

Experimental Investigation of Heat Exchanger-enhanced Solar Cell Performance

ISSN: 0148-7191, e-ISSN: 2688-3627
DOI: https://doi.org/10.4271/2023-01-5175
Published February 23, 2024 by SAE International in United States

Technical Paper
2023-01-5175

Sector: Automotive
Event: International Conference on Trends in Automotive Parts Systems and Applications
Language: English

Abstract

The efficiency of a solar panel depends on the amount of solar radiation it receives and its surface temperature. However, during the conversion process, some of the solar radiation is converted into heat, which can increase the temperature of the solar panel's junction, reducing its performance. This decrease in efficiency can be attributed to the decrease in output efficiency that occurs when the surface temperature of the solar panel increases. Therefore, maintaining a suitable temperature range is crucial to improving the efficiency of the photovoltaic (PV) panel. Various cooling methods, including the use of phase change materials (PCM), have been developed to control the temperature of the PV module.

To test the effectiveness of PCM in cooling the solar PV module, we conducted an experiment that involved setting up a heat exchanger system and analyzing its performance. Our analysis revealed a significant improvement of 1.01 % decrement in the temperature of solar cell and the efficiency and power of the solar cell increased by 2% in the output efficiency of the PV system, indicating that PCM cooling can be an effective means of maintaining a suitable temperature range for the PV panel and improving its overall efficiency.

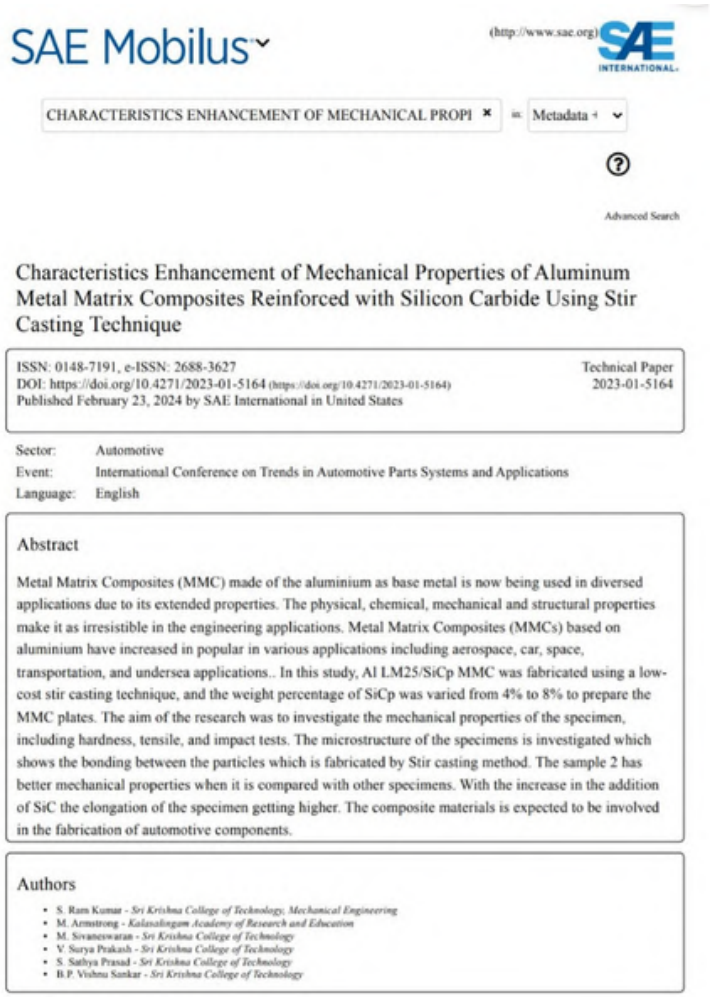
Authors

1 of 2 27-02-2024, 03:47 pm

MECH

FACULTY PUBLICATION

Mr S Ram Kumar, Assistant Professor, Department of Mechanical Engineering and Students published an article on "Characteristics Enhancement of Mechanical Properties of Aluminum Metal Matrix Composites Reinforced with Silicon Carbide Using Stir Casting Technique" in SAE Technical Paper with DOI: https://doi.org/10.4271/2023-01-5164.



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CHARACTERISTICS ENHANCEMENT OF MECHANICAL PROPI × in: Metadata

Advanced Search

Characteristics Enhancement of Mechanical Properties of Aluminum Metal Matrix Composites Reinforced with Silicon Carbide Using Stir Casting Technique

ISSN: 0148-7191, e-ISSN: 2688-3627
DOI: https://doi.org/10.4271/2023-01-5164 (https://doi.org/10.4271/2023-01-5164)
Published February 23, 2024 by SAE International in United States

Technical Paper
2023-01-5164

Sector: Automotive
Event: International Conference on Trends in Automotive Parts Systems and Applications
Language: English

Abstract

Metal Matrix Composites (MMC) made of the aluminium as base metal is now being used in diversed applications due to its extended properties. The physical, chemical, mechanical and structural properties make it as irresistible in the engineering applications. Metal Matrix Composites (MMCs) based on aluminium have increased in popular in various applications including aerospace, car, space, transportation, and undersea applications.. In this study, Al LM25/SiCp MMC was fabricated using a low-cost stir casting technique, and the weight percentage of SiCp was varied from 4% to 8% to prepare the MMC plates. The aim of the research was to investigate the mechanical properties of the specimen, including hardness, tensile, and impact tests. The microstructure of the specimens is investigated which shows the bonding between the particles which is fabricated by Stir casting method. The sample 2 has better mechanical properties when it is compared with other specimens. With the increase in the addition of SiC the elongation of the specimen getting higher. The composite materials is expected to be involved in the fabrication of automotive components.

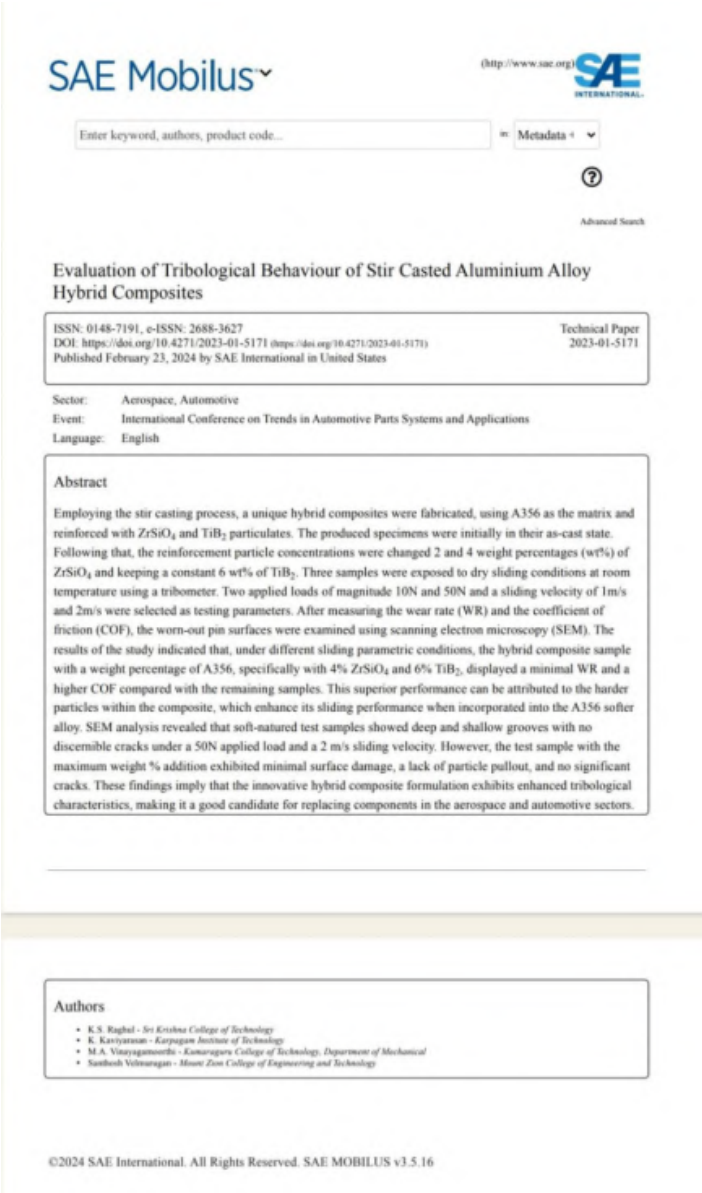
Authors

- S. Ram Kumar - *Sri Krishna College of Technology, Mechanical Engineering*
- M. Armstrong - *Kalasalingam Academy of Research and Education*
- M. Sivaneswaran - *Sri Krishna College of Technology*
- V. Surya Prakash - *Sri Krishna College of Technology*
- S. Sathya Prasad - *Sri Krishna College of Technology*
- B.P. Vishnu Sankar - *Sri Krishna College of Technology*

MECH

FACULTY PUBLICATION

Mr K S Raghul, Assistant Professor, Department of Mechanical Engineering, published an article on "Evaluation of Tribological Behaviour of Stir Casted Aluminium Alloy Hybrid Composites" in SAE Technical Paper with DOI: https://doi.org/10.4271/2023-01-5171.



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Evaluation of Tribological Behaviour of Stir Casted Aluminium Alloy Hybrid Composites

ISSN: 0148-7191, e-ISSN: 2688-3627
DOI: https://doi.org/10.4271/2023-01-5171
Published February 23, 2024 by SAE International in United States
Technical Paper 2023-01-5171

Sector: Aerospace, Automotive
Event: International Conference on Trends in Automotive Parts Systems and Applications
Language: English

Abstract

Employing the stir casting process, a unique hybrid composites were fabricated, using A356 as the matrix and reinforced with $ZrSiO_4$ and TiB_2 particulates. The produced specimens were initially in their as-cast state. Following that, the reinforcement particle concentrations were changed 2 and 4 weight percentages (wt%) of $ZrSiO_4$ and keeping a constant 6 wt% of TiB_2. Three samples were exposed to dry sliding conditions at room temperature using a tribometer. Two applied loads of magnitude 10N and 50N and a sliding velocity of 1m/s and 2m/s were selected as testing parameters. After measuring the wear rate (WR) and the coefficient of friction (COF), the worn-out pin surfaces were examined using scanning electron microscopy (SEM). The results of the study indicated that, under different sliding parametric conditions, the hybrid composite sample with a weight percentage of A356, specifically with 4% $ZrSiO_4$ and 6% TiB_2, displayed a minimal WR and a higher COF compared with the remaining samples. This superior performance can be attributed to the harder particles within the composite, which enhance its sliding performance when incorporated into the A356 softer alloy. SEM analysis revealed that soft-natured test samples showed deep and shallow grooves with no discernible cracks under a 50N applied load and a 2 m/s sliding velocity. However, the test sample with the maximum weight % addition exhibited minimal surface damage, a lack of particle pullout, and no significant cracks. These findings imply that the innovative hybrid composite formulation exhibits enhanced tribological characteristics, making it a good candidate for replacing components in the aerospace and automotive sectors.

Authors

- K.S. Raghul - *Sri Krishna College of Technology*
- K. Kaviyarasan - *Karpagam Institute of Technology*
- M.A. Vinayagamoorthi - *Kumaraguru College of Technology, Department of Mechanical*
- Santhosh Velmurugan - *Mount Zion College of Engineering and Technology*

MECH

FACULTY PUBLICATION

Mr A S Manirathnam, Assistant Professor, Department of Mechanical Engineering, published an article on "Design and Analysis of fuel Injector for Efficient Fuel Flow" in SAE Technical Paper with DOI: https://doi.org/10.4271/2023-01-5153 (Scopus Indexed).

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Advanced Search

Design and Analysis of Fuel Injector for Efficient Fuel Flow

ISSN: 0148-7191, e-ISSN: 2688-3627
DOI: https://doi.org/10.4271/2023-01-5153 (https://doi.org/10.4271/2023-01-5153)
Published February 23, 2024 by SAE International in United States

Technical Paper
2023-01-5153

Sector: Automotive
Event: International Conference on Trends in Automotive Parts Systems and Applications
Language: English

Abstract

This article examines the integration of spiral ducts into the fuel injector's design. The efficiency of the fuel injector can be categorized into qualitative and quantitative parameters. The fuel dosage used in the fuel injector comes under the quantitative parameter and the qualitative parameters are the properties of the injected fuel, which are quantified by the width, opening angle, atomization and range. The objective of the change in atomizer is the addition of turbulence to the fuel flow, which induces desirable results in the fuel flow, which can increase fuel injector efficiency and improve combustion efficiency in diesel engine. The spirals are added to the non-moving part of the injector. The conventional fuel injectors have a cylindrical component, resulting in openings through which fuel flows within the injector. The change in geometry can lead to improvement of diesel spraying. The proposal to use spiral ducts in diesel spraying injector is innovative for diesel engines and is helpful for efficient hybrid vehicles.

Authors

- A.S. Manirathnam - *Sri Krishna College of Technology*
- K. Kaviyarasan - *Karpagam Institute of Technology*

MECH

FACULTY PUBLICATION

Dr Santhosh S, Associate Professor, Dr Sakthivel, Professor and Students, Department of Mechanical Engineering published an article on "Investigation on Mechanical Behaviour of Glass Fiber Reinforced with Banana Slacks and Coconut Coir" in SAE Technical Paper with DOI: https://doi.org/10.4271/2023-01-5101 (Scopus Indexed).

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INVESTIGATION ON MECHANICAL BEHAVIOUR OF GLASS FIE in: Title

Advanced Search

Investigation on Mechanical Behaviour of Glass Fiber Reinforced with Banana Slacks and Coconut Coir

ISSN: 0148-7191, e-ISSN: 2688-3627
DOI: https://doi.org/10.4271/2023-01-5101 (https://doi.org/10.4271/2023-01-5101)
Published February 23, 2024 by SAE International in United States

Technical Paper
2023-01-5101

Sector: Automotive
Event: International Conference on Trends in Automotive Parts Systems and Applications
Language: English

Abstract

Natural fibers are increasingly being used to reinforce glass fiber composites rather than synthetic fibers because of their increased tensile strength, despite some inherent disadvantages. With the help of the structural analysis program ANSYS, three different combinations were thoroughly analyzed with an eye toward factors like total deformation, equivalent elastic strain, and equivalent stress in order to determine the best combination. The composite specimen exhibiting the best performance qualities was chosen for further manufacturing. A fracture load of 8.93 kN and a tensile strength of 81.46 MPa were obtained from tensile strength tests and Charpy impact tests performed on samples made from the composite. The impact test, which produced a value of 14 J using a 15 kg pendulum, also shed light on the ability to absorb energy during fracture. These results indicate that the composite material has qualities that make it a good choice for dashboards and panels for automobiles.

Authors

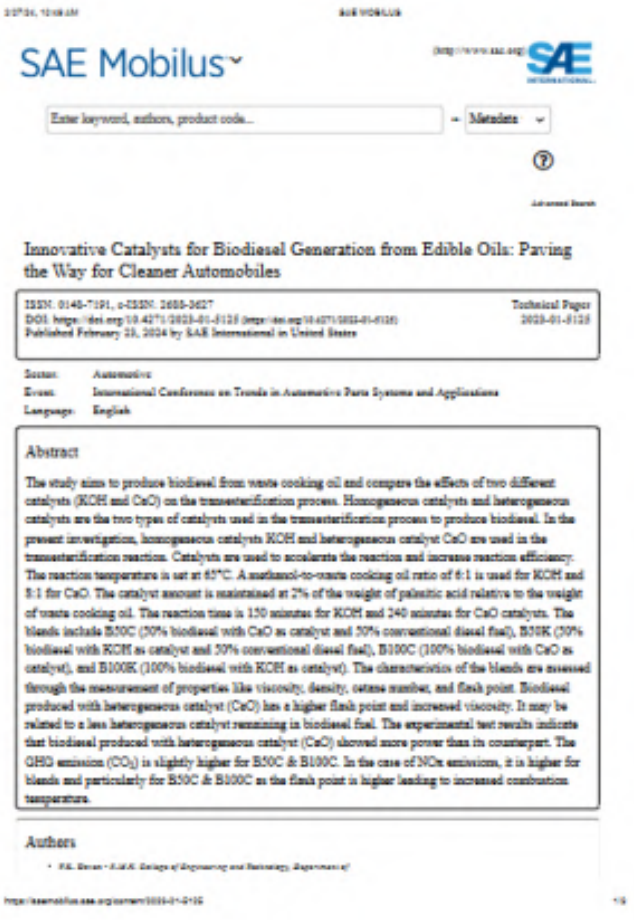
- S. Santhosh - *Sri Krishna College of Technology, Department of Mechanical*
- P. Sakthivel - *Sri Krishna College of Technology, Department of Mechanical*
- M. Preethikumar - *Sri Krishna College of Technology, Department of Mechanical*
- M. Raghulkumar - *Sri Krishna College of Technology, Department of Mechanical*
- M. Ragul - *Sri Krishna College of Technology, Department of Mechanical*
- S. Ragul - *Sri Krishna College of Technology, Department of Mechanical*

MECH

FACULTY ACHIEVEMENT

faculty PUBLICATION

Dr P Prathap, Professor, Department of Mechanical Engineering, published an article on "Innovative Catalysts for Biodiesel Generation from Edible Oils: Paving the Way for Cleaner Automobiles" in SAE Technical Paper with DOI: https://doi.org/10.4271/2023-01-5125 (Scopus Indexed).

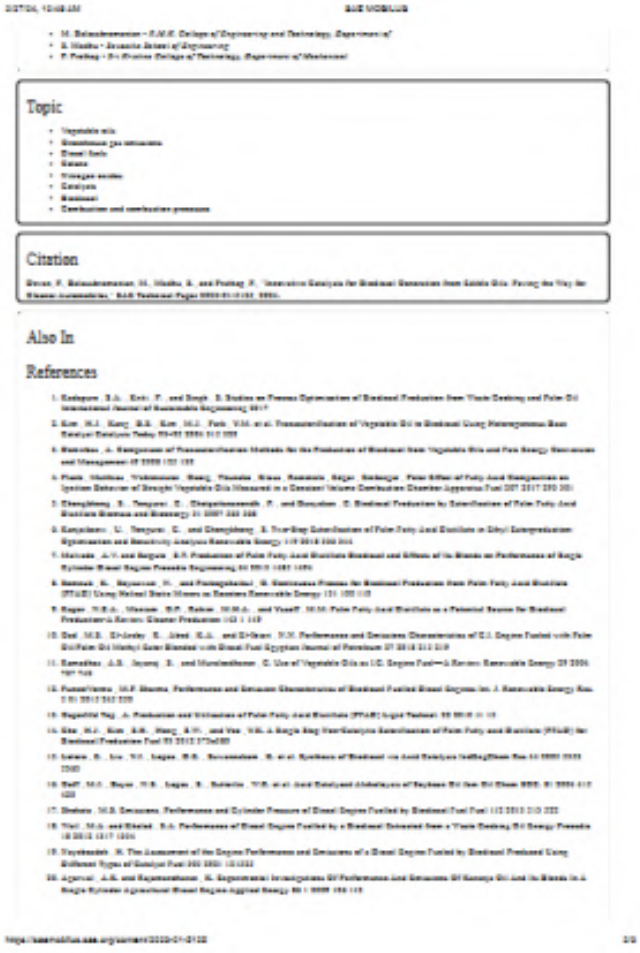


SAE Mobilus

Innovative Catalysts for Biodiesel Generation from Edible Oils: Paving the Way for Cleaner Automobiles

Abstract

Authors



Topic

Citation

Also In

References

MECH

FACULTY PUBLICATION

Dr P Prathap, Professor, Department of Mechanical Engineering, published an article on "An Interchangeable Exit Channel Attachment of Severe Plastic Deformation for Automotive Applications" in SAE Technical Paper with DOI: https://doi.org/10.4271/2023-01-5158 (Scopus Indexed).

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Advanced Search

An Interchangeable Exit Channel Attachment of Severe Plastic Deformation for Automotive Applications

ISSN: 0148-7191, e-ISSN: 2688-3627
DOI: https://doi.org/10.4271/2023-01-5158
Published February 23, 2024 by SAE International in United States

Technical Paper
2023-01-5158

Sector: Automotive
Event: International Conference on Trends in Automotive Parts Systems and Applications
Language: English

Abstract

Equal Channel Angular Pressing is proven to produce ultrafine-grained to nano-structured materials and is most advantageous in comparison with most severe plastic deformation processes, due to its multi-pass capability. The channel angle is the most dominant process parameter, depending on which the property of the processed material varies significantly. Hence to exploit the advantage of this process and to fabricate materials with tailor-made properties, it is desirable to have access to a wide range of channel angles. Limitations in existing designs restrict this to one fixed angle per die and a variation of the angle demands an entirely new die. Hence a novel die geometry is proposed, where the exit channel is made detachable from the parent die block, permitting flexibility of channel angle. Such a design cuts down the cost of fabricating a die setup for the desired channel angle by as much as 80%, in comparison with the traditional split die configuration where a whole new die block has to be machined.

Authors

- M. Balasubramanian - R.M.K. College of Engineering and Technology, Department of
- P. Prathap - Sri Krishna College of Technology, Department of Mechanical
- S. Madhu - Saveetha School of Engineering

Topic

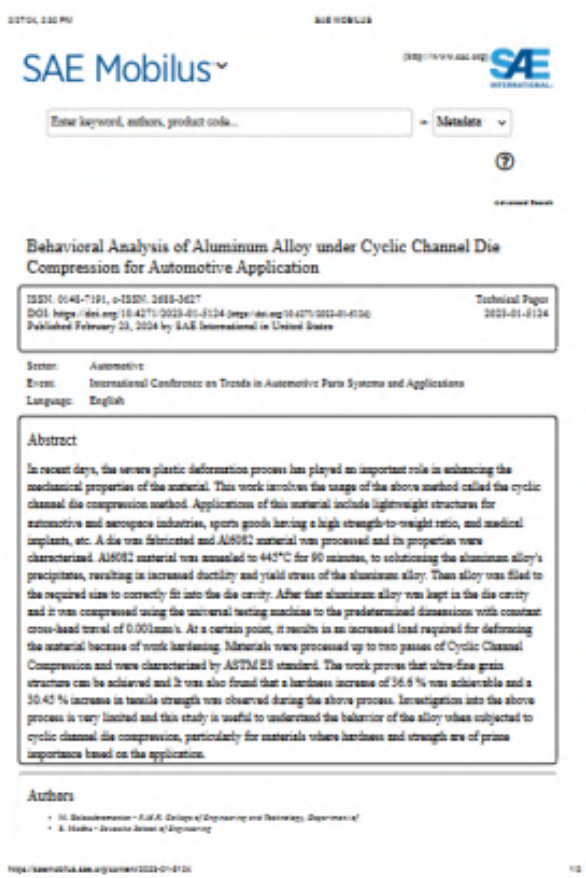
- Materials properties

https://saemobilus.sae.org/content/2023-01-5158 1/2

MECH

FACULTY PUBLICATION

Dr P Prathap, Professor, Department of Mechanical Engineering, published an article on "Behavioral Analysis of Aluminum Alloy under Cyclic Channel Die Compression for Automotive Application" in SAE Technical Paper with DOI: https://doi.org/10.4271/2023-01-5124 (Scopus Indexed).



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Behavioral Analysis of Aluminum Alloy under Cyclic Channel Die Compression for Automotive Application

Abstract

Authors

Topic

Citation

Also In

References

Cited By

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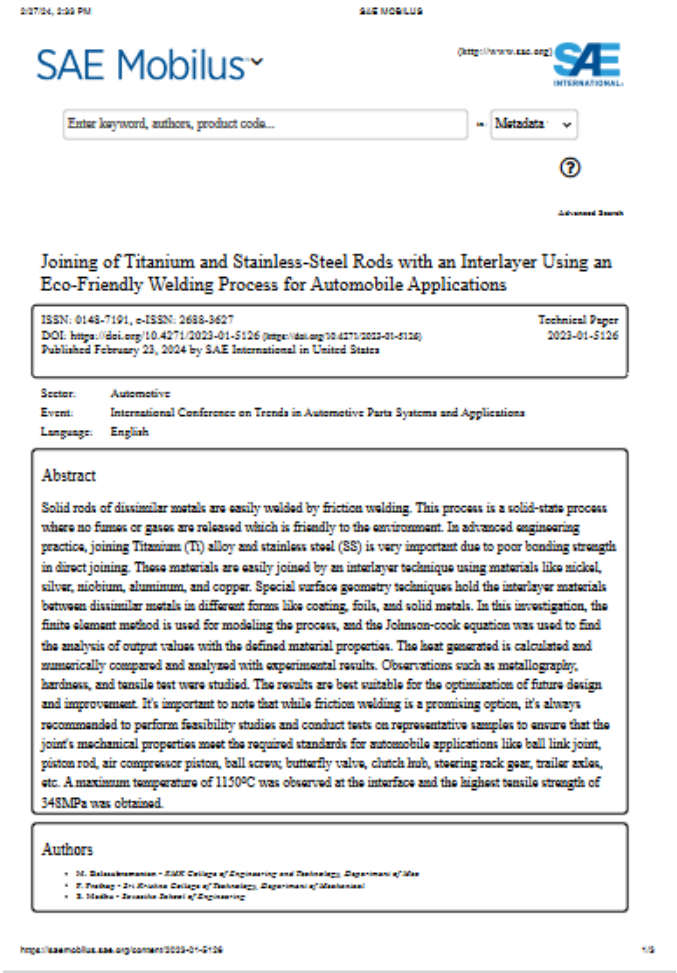
MECH

FACULTY PUBLICATION

Dr P Prathap, Professor, Department of Mechanical Engineering, published an article on "Joining of Titanium and Stainless-Steel Rods with an Interlayer Using an Eco-Friendly Welding Process for Automobile Applications" in SAE Technical Paper with DOI: https://doi.org/10.4271/2023-01-5126 (Scopus Indexed).



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Advanced Search

Joining of Titanium and Stainless-Steel Rods with an Interlayer Using an Eco-Friendly Welding Process for Automobile Applications

ISSN: 0148-7191, e-ISSN: 2688-3627
DOI: https://doi.org/10.4271/2023-01-5126
Published February 23, 2024 by SAE International in United States

Technical Paper
2023-01-5126

Sector: Automotive
Event: International Conference on Trends in Automotive Parts Systems and Applications
Language: English

Abstract

Solid rods of dissimilar metals are easily welded by friction welding. This process is a solid-state process where no fumes or gases are released which is friendly to the environment. In advanced engineering practice, joining Titanium (Ti) alloy and stainless steel (SS) is very important due to poor bonding strength in direct joining. These materials are easily joined by an interlayer technique using materials like nickel, silver, niobium, aluminum, and copper. Special surface geometry techniques hold the interlayer materials between dissimilar metals in different forms like coating, foils, and solid metals. In this investigation, the finite element method is used for modeling the process, and the Johnson-cook equation was used to find the analysis of output values with the defined material properties. The heat generated is calculated and numerically compared and analyzed with experimental results. Observations such as metallography, hardness, and tensile test were studied. The results are best suitable for the optimization of future design and improvement. It's important to note that while friction welding is a promising option, it's always recommended to perform feasibility studies and conduct tests on representative samples to ensure that the joint's mechanical properties meet the required standards for automobile applications like ball link joint, piston rod, air compressor piston, ball screw, butterfly valve, clutch hub, steering rack gear, trailer axles, etc. A maximum temperature of 1150°C was observed at the interface and the highest tensile strength of 348MPa was obtained.

Authors

- M. Balasubramanian - SNS College of Engineering and Technology, Department of Mec
- P. Prathap - Sri Krishna College of Technology, Department of Mechanical
- S. Madhu - Jerusalem School of Engineering

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MECH

FACULTY PARTICIPATION

Mr.Prabhu M K, Assistant Professor, has participated on 3 Days Faculty Development Program on Design Thinking conducted by ICT Academy on 25 Mar 2024 to 27 Mar 2024 at Sri Krishna Adithya College of Arts and Science,

ICTACADEMY

CERTIFICATE OF PARTICIPATION

C.No: 024-215290
Date: 27 Mar 2024

PRABHU.M.K
Sri Krishna College of Technology, Coimbatore
has participated in 3 Day Faculty Development Program on
Design Thinking
conducted by ICT Academy on 25 Mar 2024 to 27 Mar 2024 at
Sri Krishna Adithya College of Arts and Science, Coimbatore

Hari Balachandran
Chief Executive Officer, ICT Academy

Mr Sivaraman P Assistant Professor, received certificate of excellence in reviewing by Asian Journal of Education and Social Studies.

Certificate No: PRAJESS115066SIV

Asian Journal of Education and Social Studies

Certificate of Excellence in Reviewing

awarded to

Sivaraman Parthasarathi

Sri Krishna College of Technology, India

in recognition of an outstanding contribution to the quality of the journal.

Date: 23.03.2024
Validation Link:
https://dashboard.peerreviewcentral.com

Dr. M. B. Mondal
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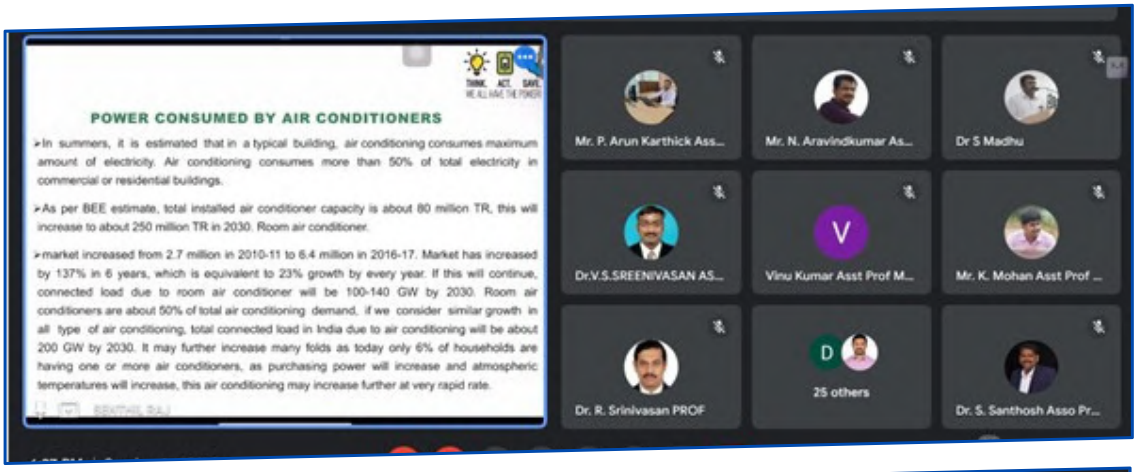
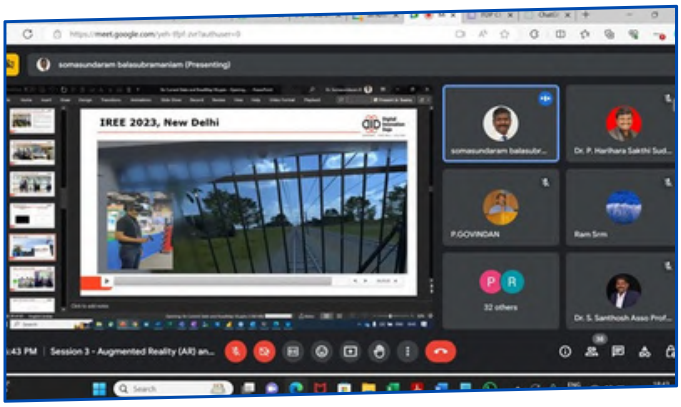
UK: Third Floor, 207 Regent Street, London, W1B 3HH, UK. Fax: +44 20-3031-1429

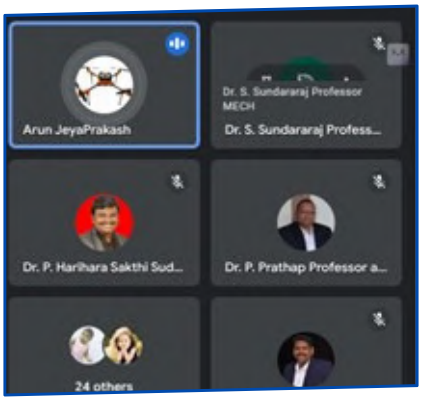
MECH

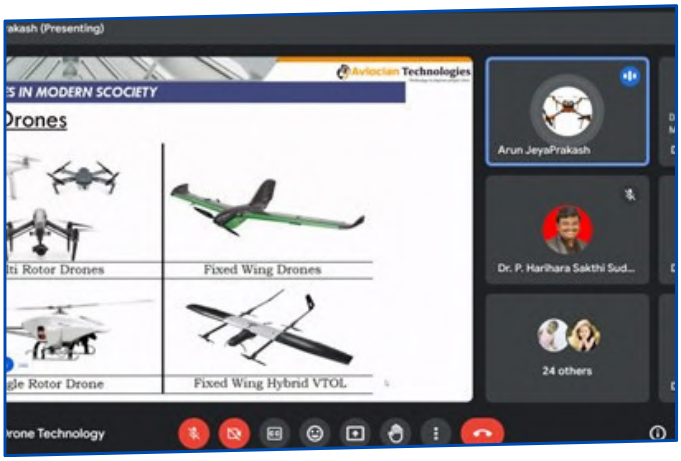
EVENT ORGANIZED

The Department organized a five-day online Faculty Development Program on "Cutting-Edge Technologies in Mechanical Engineering"







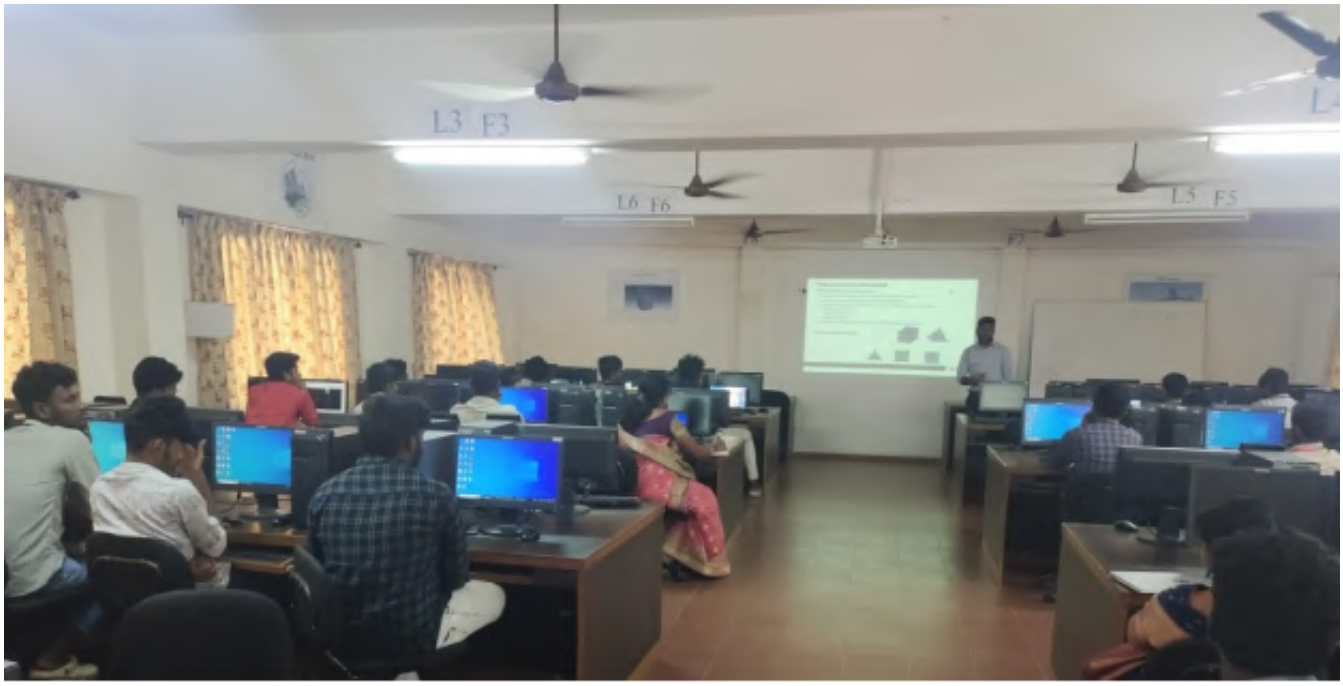


MECH

EVENT ORGANIZED

The Department of Mechanical Engineering organised a two-day Industrial training for the Members of Faculty and Students on Enhanced Simulation Capabilities in the Latest Version of Ansys.

Resource Person:
Mr. Ravindra Bucherla
Application Engineer.
ARK Infosolutions Pvt. Ltd.
Bangalore.



MECH

EVENT ORGANIZED

The Coimbatore City Police and UYIR CLUB organised a Helmet Awareness Campaign at Sri Krishna College of Technology (Main gate), Coimbatore. Mr Sreenivasan SI and Mr Shanmugam SSI - Kovaipudur Police Station, inaugurated the awareness campaign.

Mr K Mohan, Faculty Coordinator and Student coordinators actively participated in the campaign.

MECH

EVENT ORGANIZED

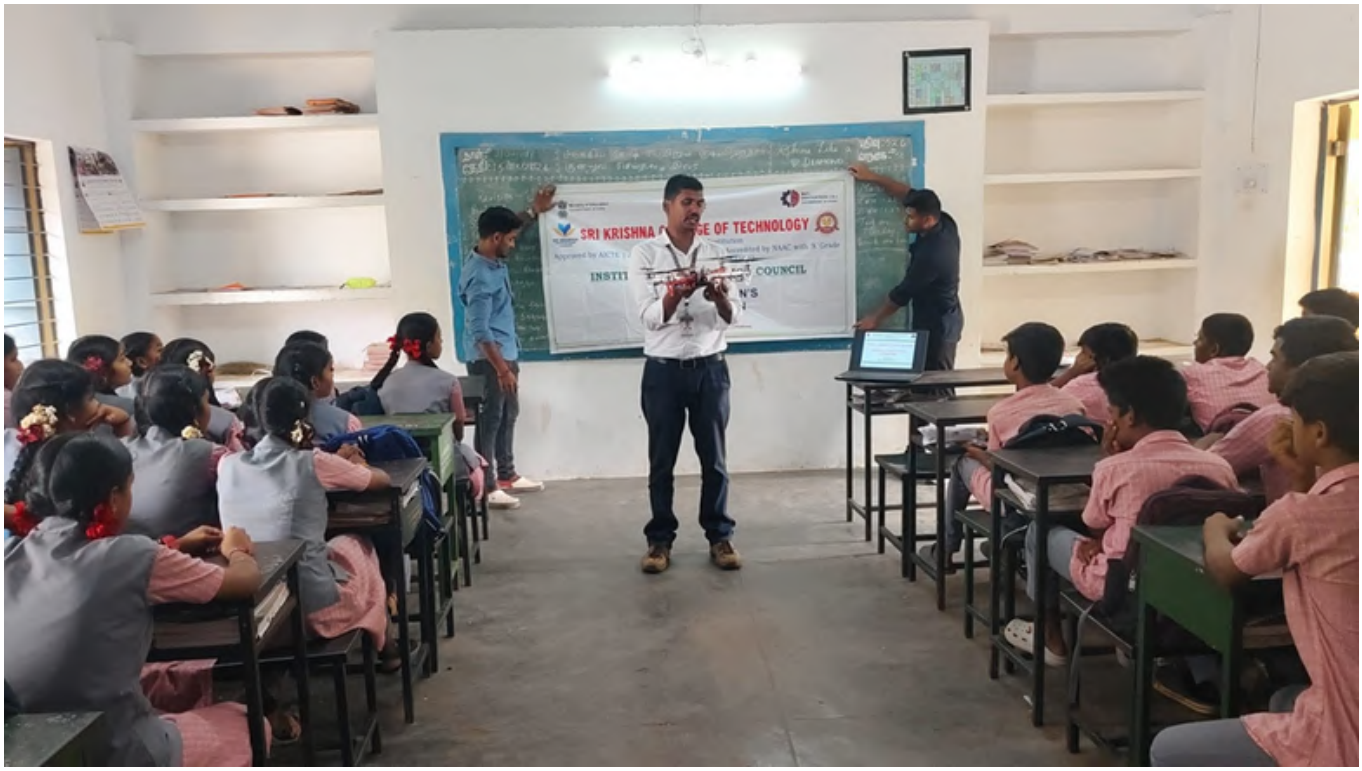
The NSS unit of SKCT in association IIC has organised outreach event on Recent Trends in Drone Technology programme on 15.03.2024 at Government Higher Secondary school, Kulathupalayam.

Speaker

Mr. A S Manirathnam

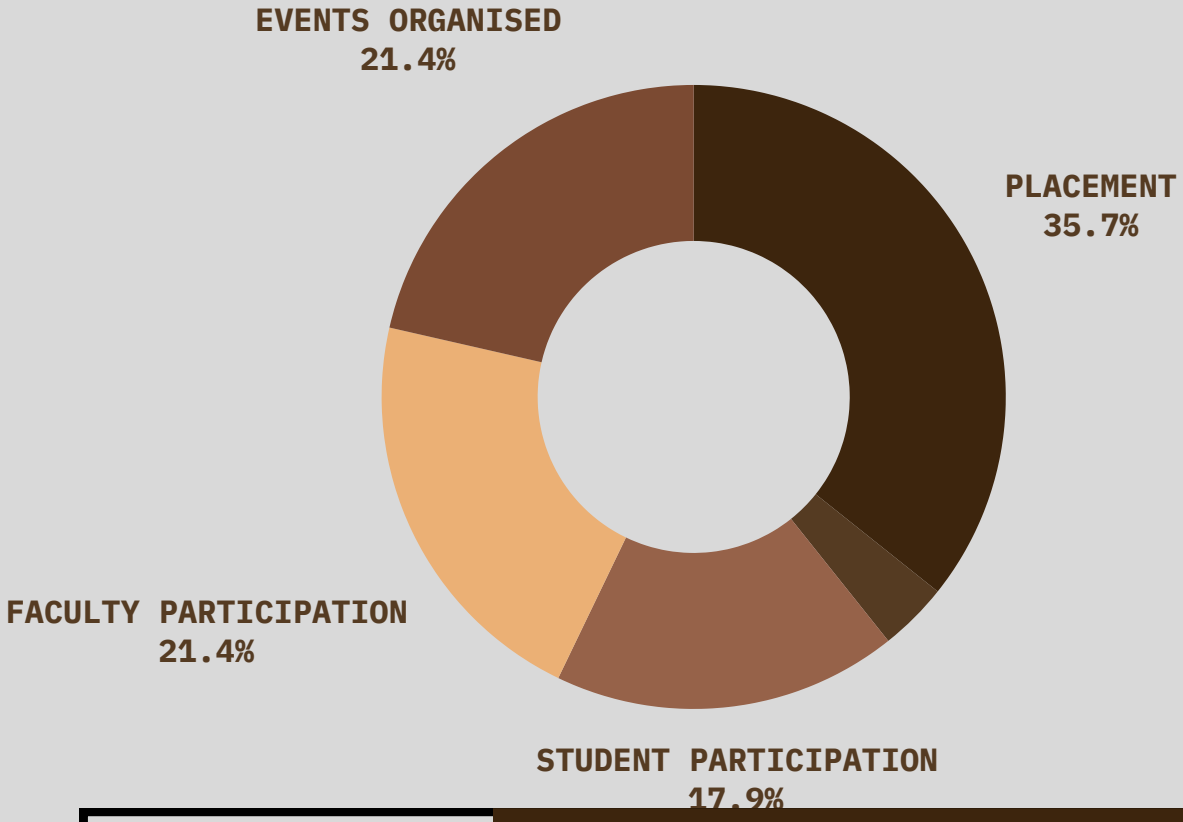
Innovation Ambassador

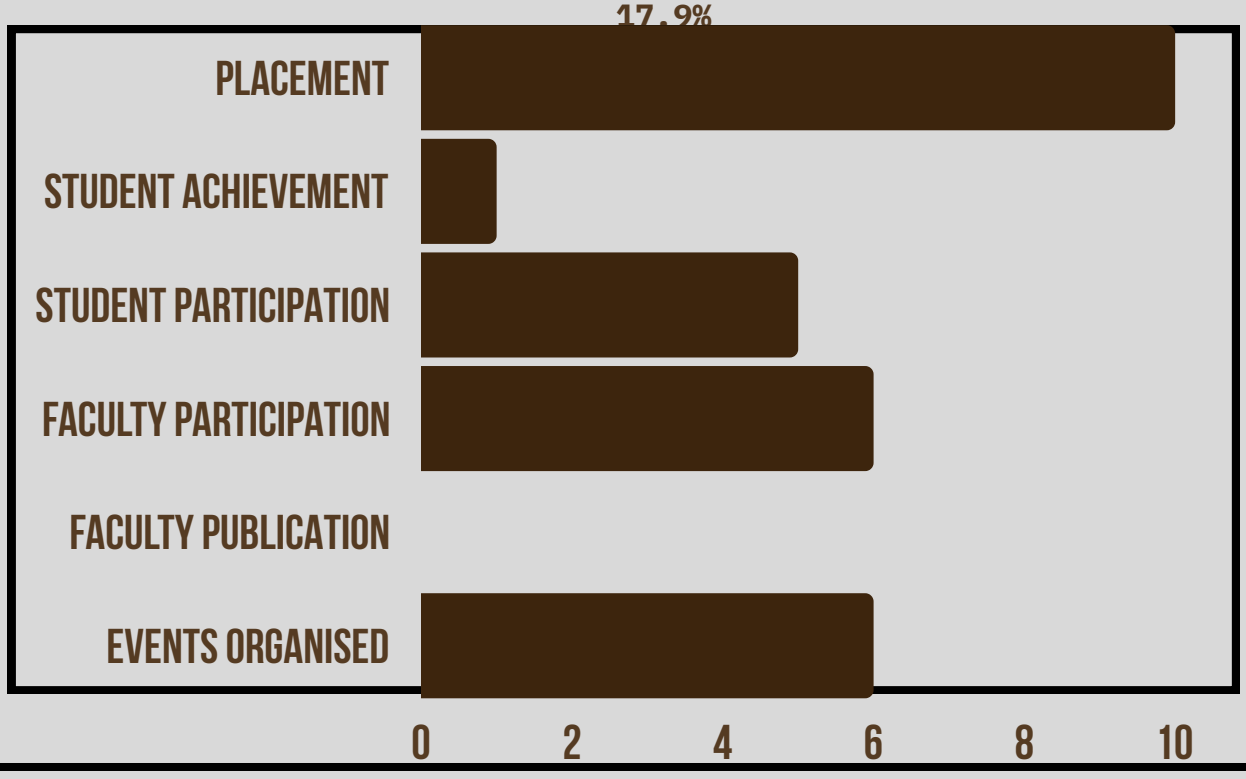
Assistant Professor



MBA

CONTENT CONTRIBUTION





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STUDENT INTERNSHIP

Jaya Rama Sruthi got Internship offer in Career Net Technologies Pvt Ltd

Mr Parthasarathy R and Ms Harshita A got Internship offer in Lakshmi Electrical Drives limited

MBA

STUDENT ACHIEVEMENT

Mr Kishore S and Ms. Nikhila RII MBA students were selected as one among the 45 delegates representing Tamilnadu in Yuva Sangam Phase 4.

MBA

STUDENT PARTICIPATION


Dr. N.G.P. Institute of Technology
(An Autonomous Institution)
COIMBATORE - 641048
Department of Management Studies
HENOSIS
THE FUSION OF TECHNO CULTURAL EVENTS
This is to certify that KEERTHI S MBA
of SRI KRISHNA COLLEGE OF TECHNOLOGY
has participated in the workshop titled
"Investment Analysis"
during the Henosis 2K24 held at NGP ITECH
on March 04th & 05th 2K24
Faculty In-Charge Ms.Ambika V
HoD Dr. Franklin John Selvaraj
Principal Dr.S.U.Prabha


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&
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CERTIFICATE
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SRI KRISHNA COLLEGE OF TECHNOLOGY
Dr. K. Jagajeevan Principal, SKASC
Dr. M.G. Sumithra Principal, SKCT


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Re-accredited with A++ Grade by NAAC, CGPA 3.65/4, Category I by UGC
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International Conference on
CLIMATE CHANGE : "INTER-SECTIONAL PERSPECTIVE" HYBRID MODE
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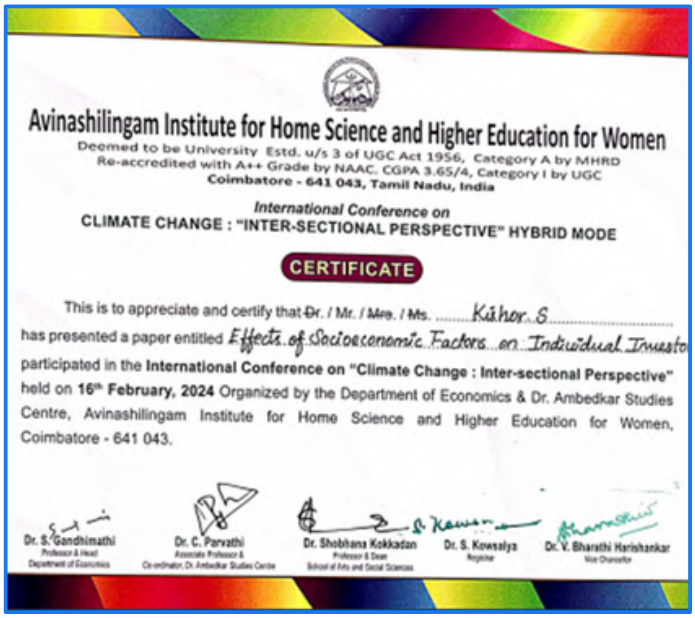
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International Conference on
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has presented a paper entitled Effects of Socioeconomic Factors on Individual Investo
participated in the International Conference on "Climate Change : Inter-sectional Perspective"
held on 16th February, 2024 Organized by the Department of Economics & Dr. Ambedkar Studies
Centre, Avinashilingam Institute for Home Science and Higher Education for Women,
Coimbatore - 641 043.
Dr. S. Gandhimathi Dr. C. Parvathi Dr. Shobhana Kokkadan Dr. S. Kowsalya Dr. V. Bharathi Harishankar


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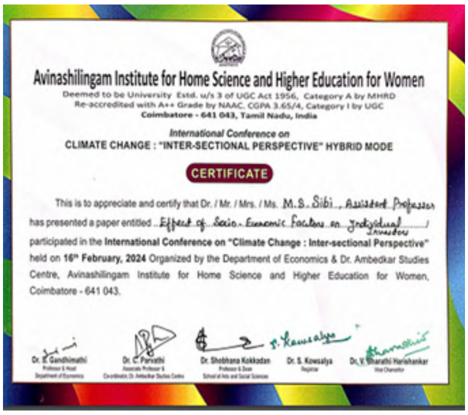
MBA

FACULTY PARTICIPATION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Coimbatore - 641 043, Tamil Nadu, India

International Conference on
CLIMATE CHANGE : "INTER-SECTIONAL PERSPECTIVE" HYBRID MODE

CERTIFICATE

This is to appreciate and certify that Dr. / Mr. / Mrs. / Ms. M.S. Sibi, Assistant Professor has presented a paper entitled Effect of Socio-Economic Factors on Individual Investors / participated in the **International Conference on "Climate Change : Inter-sectional Perspective"** held on **16th February, 2024** Organized by the Department of Economics & Dr. Ambedkar Studies Centre, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore - 641 043.

Dr. S. Gandhimathi, Professor & Head, Department of Economics | Dr. C. Parvathi, Associate Professor & Coordinator, Dr. Ambedkar Studies Centre | Dr. Shobhana Kokkadan, Professor & Dean, School of Arts and Social Sciences | Dr. S. Kowsalya, Registrar | Dr. V. Bharathi Harishankar, Vice Chancellor


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This is to certify that Dr. M. GANESHWARI, Asst Professor School of Management of Sri Krishna College of Technology has participated in the **FIVE DAY NATIONAL LEVEL FACULTY DEVELOPMENT PROGRAMME** using **VOSviewer & NVIVO SOFTWARE** organized by Department of Management Science, Sri Krishna Arts & Science College from 09 -13 January 2024.

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MBA

EVENTS ORGANIZED

A One day Seminar on Entrepreneurship in the VUCA world for sustainability was organized by Entrepreneurship Development Cell, The seminar was inaugurated by Mr.Senthil Kumar Rajappan - Digipreneur Co-founder Halcyon ventures, Coimbatore.

The department organised HR Conclave Inaugral address: Dr.Sangeetha Ramankutty, Group Head- HR(Kirtilals) Key Note Address: Ms. Sujitha Sathasivam, HR Business Partner, Quinbay Technologies.

MBA

EVENTS ORGANIZED

The department organised A workshop on Financial Management Resource Person Dr.M P Pandikumar Associate Professor Loyola Institute of Business Administration Chennai

The department organised A training program on Google Ads by Mr.Prakash Raman, Director, White Brothers Technologies, Coimbatore.

MBA

EVENTS ORGANIZED

The department organised an Alumni panel discussion on Domain specific career opportunities

The department organised LeaderShip Skill Development Session Resource Person Mr. Gowtham Loganathan Founder, Sky High Academy, Coimbatore

MBA

EVENTS ORGANIZED

Department Association Valedictory Function

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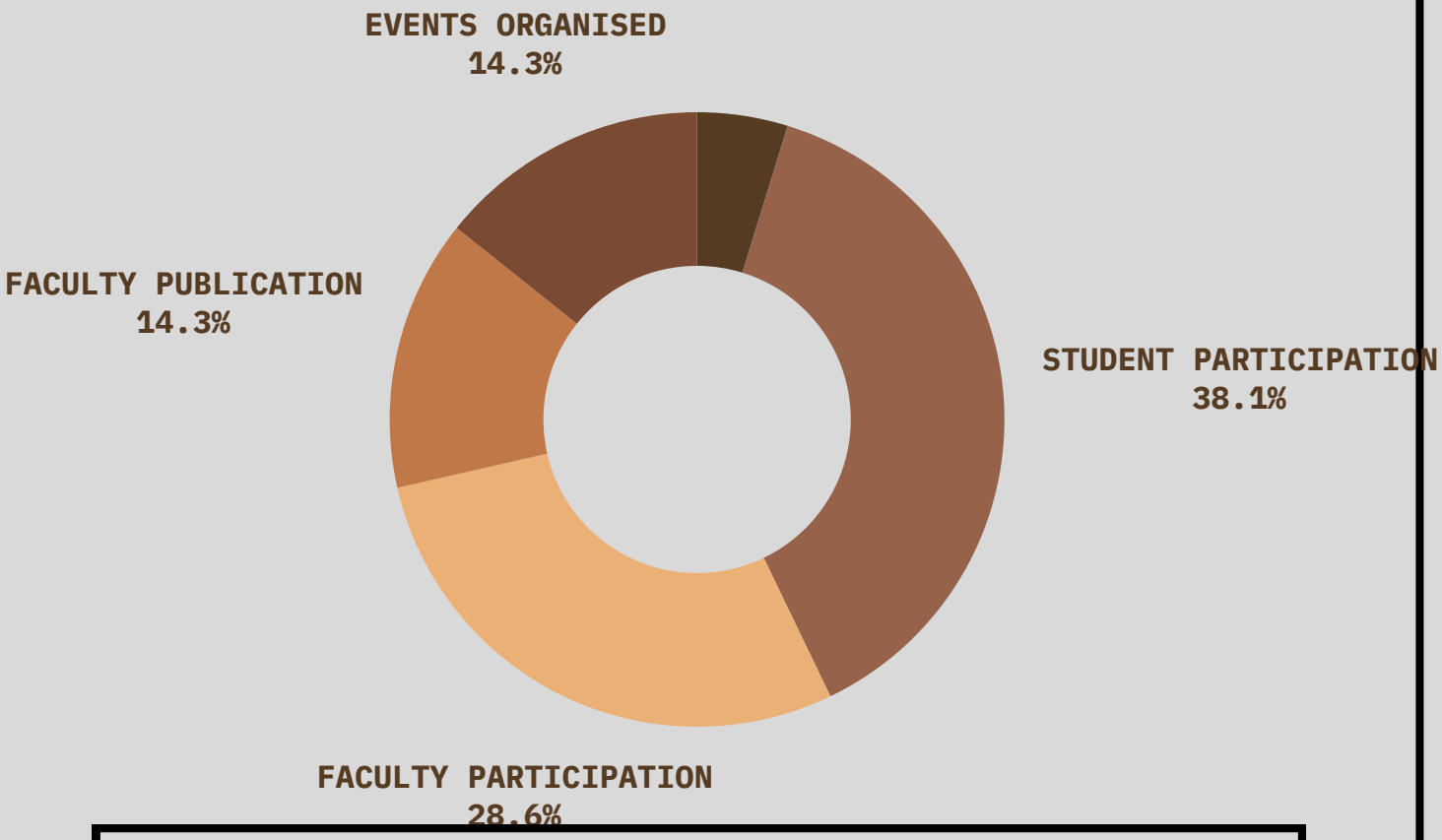
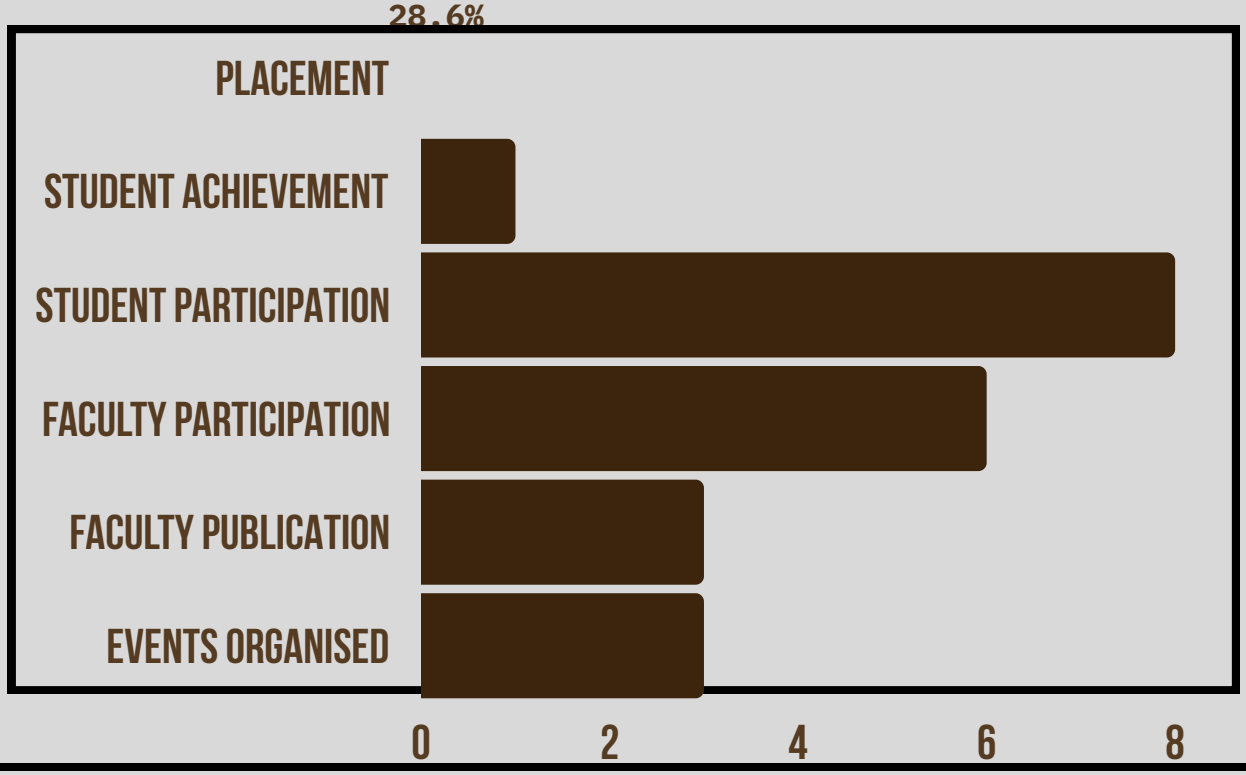




S & H

STUDENT ACHIEVEMENT

Ms Joshika Shree N and Ms Dhanuvarshini R from I ECE, for securing the First Place in the "Ideas Unveiled" (Paper Presentation) event during ACADEX 2024 held at Sri Krishna Arts and Science College

S & H

STUDENT PARTICIPATION


C.ID: 9bad22f

CodS

CERTIFICATE

OF COMPLETION

PROUDLY PRESENTED TO

HAMSA VARDHAN S

has successfully completed 4 weeks of a virtual internship program in

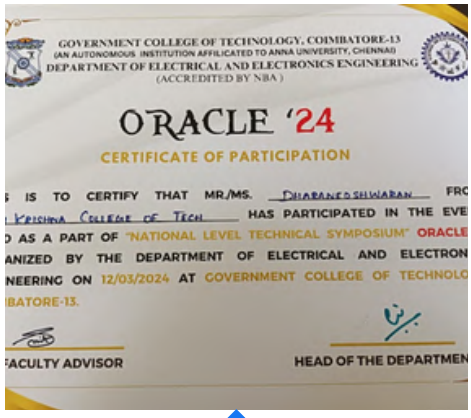
C++ Programming

with wonderful remarks at CODSOFT from 25/01/2024 to 25/02/2024.

We were truly amazed by his/her showcased skills and invaluable contributions to the tasks and projects throughout the internship.

Founder

intact@codsoft.in www.codsoft.in Date: 28/02/2024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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

(ACCREDITED BY NBA)

ORACLE '24

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IS TO CERTIFY THAT MR./MS. DHARANESHWARAN FRO

KRISHNA COLLEGE OF TECH HAS PARTICIPATED IN THE EVE

AS A PART OF "NATIONAL LEVEL TECHNICAL SYMPOSIUM" ORACLE

ANIZED BY THE DEPARTMENT OF ELECTRICAL AND ELECTRON

NEERING ON 12/03/2024 AT GOVERNMENT COLLEGE OF TECHNOLO

IBATORE-13.

FACULTY ADVISOR HEAD OF THE DEPARTMEN


SNS COLLEGE OF TECHNOLOGY

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Jaisurya R

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CONDUCTED BY DEPARTMENT OF AEROSPACE ENGINEERING

ON 5/3/24


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ON 5/3/24


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of ECE SKCT has participated in

UNITY UNPLUGGED (CONNECTION) Competition in

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Sri Krishna Arts and Science College on 04/03/2024.

EVENT CO-ORDINATOR ASSOCIATION INCHARGE HEAD OF THE DEPARTMENT DEAN PRINCIPAL


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EVENT CO-ORDINATOR ASSOCIATION INCHARGE HEAD OF THE DEPARTMENT DEAN PRINCIPAL


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TOSHIKA SHREE N

of SRI KRISHNA COLLEGE OF TECHNOLOGY has participated and won

I place for PAPER PRESENTATION Competition in

Inter-collegiate Event "AcadeX '2K24" organized by Department of Computer Science,

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EVENT CO-ORDINATOR ASSOCIATION INCHARGE HEAD OF THE DEPARTMENT DEAN PRINCIPAL


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Inter-collegiate Event "AcadeX '2K24" organized by Department of Computer Science,

Sri Krishna Arts and Science College on 04/03/2024.

EVENT CO-ORDINATOR ASSOCIATION INCHARGE HEAD OF THE DEPARTMENT DEAN PRINCIPAL

S & H

STUDENT PARTICIPATION

Mr.E.Sreesaran and Mr.N.Sakthivel of I year ECE, participated workshop on High on electicfied wheels by PSG College of Technology and Allied Research, Coimbatore

Mr Vignesh J, Student of I B.E. ECE C, participated in an event on E summit organised by IIT, Chennai

S & H

FACULTY PARTICIPATION


Sri Krishna College of Technology

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SHEEBA RANJINI, ASSISTANT PROFESSOR, DEPT OF SCIENCE AND H

THOR FOR HER PUBLICATION IN SCOPUS JOURNAL

the 39th Annual Day Celebration - KEERTHI'24 held on 22.03.20

Convener

9 ANNUAL DAY-KEERTHI'24

Patro

39 ANNUAL DAY


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39 ANNUAL DAY-KEERTHI'24


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R. D. MAHESKUMAR, ASSISTANT PROFESSOR, DEPT OF S&H

AUTHOR FOR HIS PUBLICATION IN SCIE JOURNAL

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Convener

39 ANNUAL DAY-KEERTHI'24

Patron

39 ANNUAL DAY-KEERTHI'24


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OF PARTICIPATION

This is to certify that

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Assistant Professor of English Sri Krishna College of technology

has been certified for participating in a One Day National Workshop on "Phonetics for Higher Studies and Careers" organized by PG and Research Department of English, held on 15th March 2024.

Mr. D Jeeva
Co-ordinator

Mrs. S Gomathy
Head of the Department

Dr. J Rathinamala
Principal


KC College of Arts and Science

Autonomous College - Affiliated to Bharathiar University

CERTIFICATE

OF PARTICIPATION

This is to certify that

Mr. / Ms. S.Vishnupriya

Assistant Professor of English Sri Krishna College of Technology

has been certified for participating in a One Day National Workshop or "Phonetics for Higher Studies and Careers" organized by PG and Research Department of English, held on 15th March 2024.

Mr. D Jeeva
Co-ordinator

Mrs. S Gomathy
Head of the Department

Dr. J Rathinamala
Principal


KC College of Arts and Science

Autonomous College - Affiliated to Bharathiar University

CERTIFICATE

OF PARTICIPATION

This is to certify that

/ Ms. Dr.THILAGAVATHY R

stant Professor of English Sri Krishna College of Technology, Kovaipudhu

been certified for participating in a One Day National Workshop onetics for Higher Studies and Careers" organized by PG and Resec artment of English, held on 15th March 2024.

D Jeeva
ordinator

Mrs. S Gomathy
Head of the Department

Dr. J Rathinama
Principal


PPG

CERTIFICATE OF APPRECIATION

This is to certify that Mr/Ms/Mrs/Dr. Ms. P. JINSHA, AP of S&H, SKCT has participated in Seven Days National Level Virtual Faculty Development Programme entitled, "Exploring Cultures: Diversity in Travel Writing" organized by Department of English, PPG College of Arts and Science, Coimbatore from 20.02.2024 to 27.02.2024.

Mrs. D. Deepikadevi
Convenor

Dr. N. Muthumani
Principal


PPG

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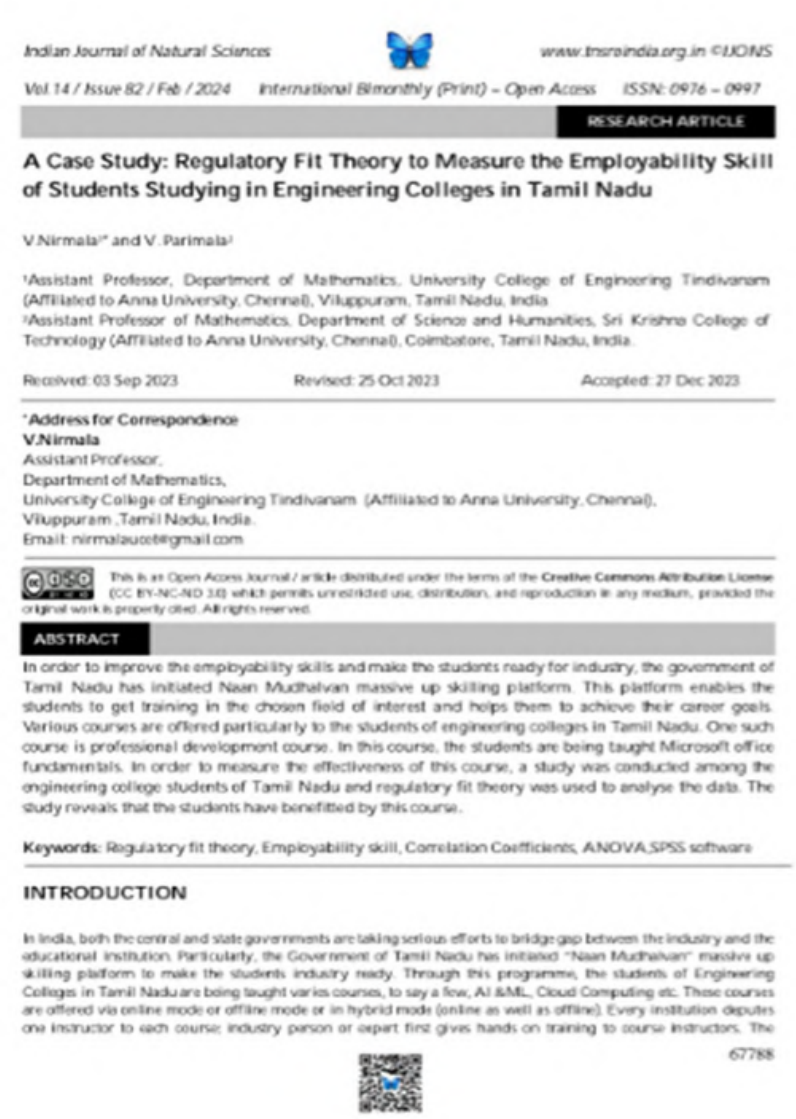
Mrs. D. Deepikadevi
Convenor

Dr. N. Muthumani
Principal

S & H

FACULTY PUBLICATION

An article titled, "A Case Study: Application of Regulatory Fit Theory to Measure the Employability Skill of Students Studying in Engineering Colleges in Tamil Nadu, has been published by our faculty Dr.V.Parimala, Assistant Professor in WoS peer reviewed International journal, Indian Journal of Natural Sciences on Feb 2024 with an impact factor 2.452



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RESEARCH ARTICLE

A Case Study: Regulatory Fit Theory to Measure the Employability Skill of Students Studying in Engineering Colleges in Tamil Nadu

V.Nirmala* and V. Parimala²

¹Assistant Professor, Department of Mathematics, University College of Engineering Tindivanam (Affiliated to Anna University, Chennai), Viluppuram, Tamil Nadu, India
²Assistant Professor of Mathematics, Department of Science and Humanities, Sri Krishna College of Technology (Affiliated to Anna University, Chennai), Coimbatore, Tamil Nadu, India.

Received: 03 Sep 2023 Revised: 25 Oct 2023 Accepted: 27 Dec 2023

*Address for Correspondence
V.Nirmala
Assistant Professor,
Department of Mathematics,
University College of Engineering Tindivanam (Affiliated to Anna University, Chennai),
Viluppuram ,Tamil Nadu, India.
Email: nirmalaucot@gmail.com

ABSTRACT

In order to improve the employability skills and make the students ready for industry, the government of Tamil Nadu has initiated Naan Mudhalvan massive up skilling platform. This platform enables the students to get training in the chosen field of interest and helps them to achieve their career goals. Various courses are offered particularly to the students of engineering colleges in Tamil Nadu. One such course is professional development course. In this course, the students are being taught Microsoft office fundamentals. In order to measure the effectiveness of this course, a study was conducted among the engineering college students of Tamil Nadu and regulatory fit theory was used to analyse the data. The study reveals that the students have benefitted by this course.

Keywords: Regulatory fit theory, Employability skill, Correlation Coefficients, ANOVA,SPSS software

INTRODUCTION

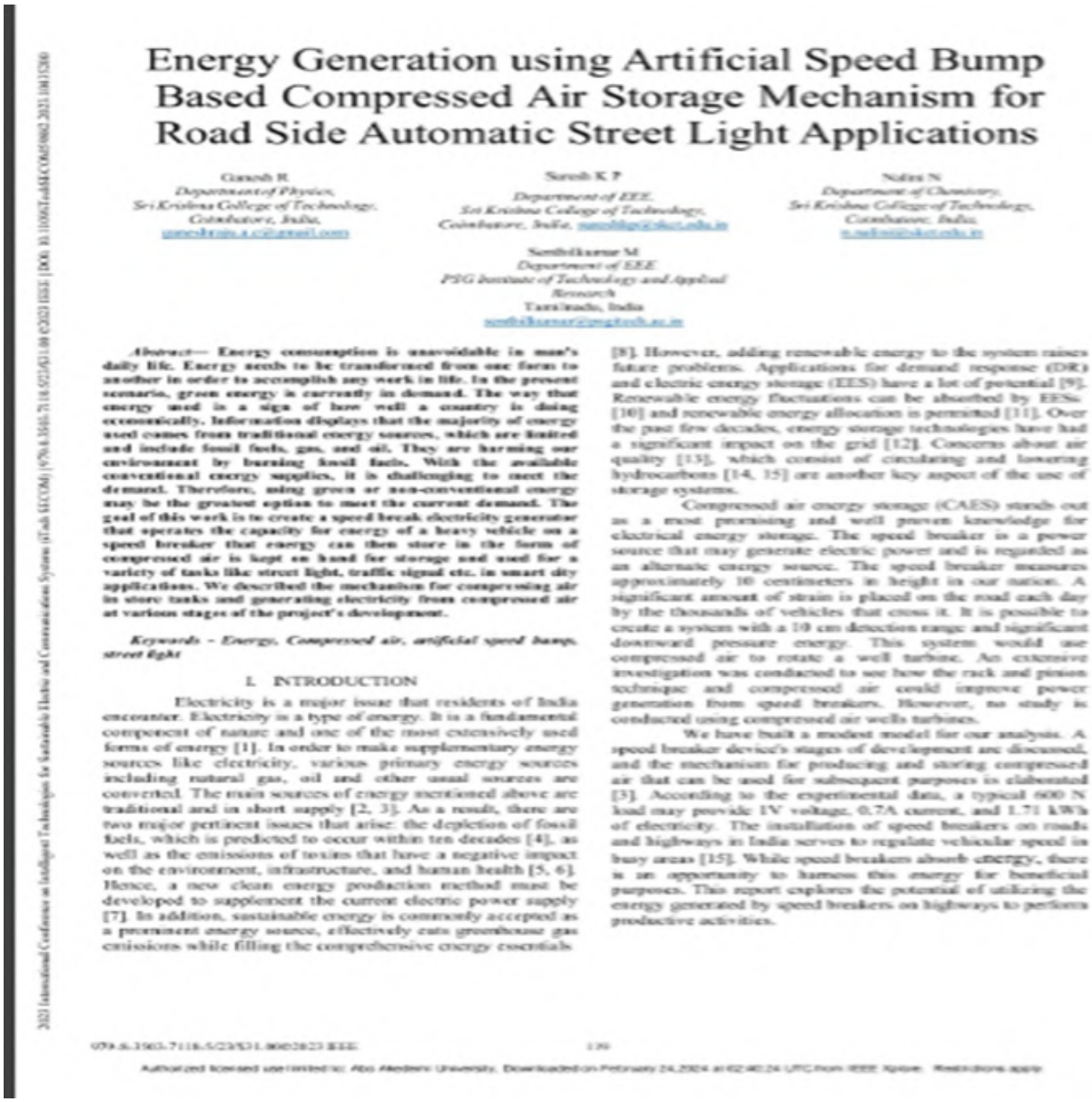
In India, both the central and state governments are taking serious efforts to bridge gap between the industry and the educational institution. Particularly, the Government of Tamil Nadu has initiated "Naan Mudhalvan" massive up skilling platform to make the students industry ready. Through this programme, the students of Engineering Colleges in Tamil Nadu are being taught various courses, to say a few, AI &ML, Cloud Computing etc. These courses are offered via online mode or offline mode or in hybrid mode (online as well as offline). Every institution deputes one instructor to each course; industry person or expert first gives hands on training to course instructors. The

67788

S & H

FACULTY PUBLICATION

An article titled, Energy Generation using Artificial speed Bump Based Compressed Air Storage Mechanism for Road side Automatic Street Light Applications, has been published by our faculty Dr. R Ganesh, Dr N Nalini Assistant Professor, Department of Science and Humanities, Dr Suresh Assistant Professor, Department of EEE, in an IEEE conference at PSG Tech.



Energy Generation using Artificial Speed Bump Based Compressed Air Storage Mechanism for Road Side Automatic Street Light Applications

Ganesh R.
Department of Physics,
Sri Krishna College of Technology,
Coimbatore, India,

Suresh K P
Department of EEE,
Sri Krishna College of Technology,
Coimbatore, India,

Nalini N
Department of Chemistry,
Sri Krishna College of Technology,
Coimbatore, India,

Senthilkumar M
Department of EEE
PSG Institute of Technology and Applied Research
Tamilnadu, India

Abstract— Energy consumption is unavoidable in man's daily life. Energy needs to be transformed from one form to another in order to accomplish any work in life. In the present scenario, green energy is currently in demand. The way that energy used is a sign of how well a country is doing economically. Information displays that the majority of energy used comes from traditional energy sources, which are limited and include fossil fuels, gas, and oil. They are harming our environment by burning fossil fuels. With the available conventional energy supplies, it is challenging to meet the demand. Therefore, using green or non-conventional energy may be the greatest option to meet the current demand. The goal of this work is to create a speed break electricity generator that operates the capacity for energy of a heavy vehicle on a speed breaker that energy can then store in the form of compressed air is kept on hand for storage and used for a variety of tasks like street light, traffic signal etc. in smart city applications. We described the mechanism for compressing air in store tanks and generating electricity from compressed air at various stages of the project's development.

Keywords – Energy, Compressed air, artificial speed bump, street light

I. INTRODUCTION

Electricity is a major issue that residents of India encounter. Electricity is a type of energy. It is a fundamental component of nature and one of the most extensively used forms of energy [1]. In order to make supplementary energy sources like electricity, various primary energy sources including natural gas, oil and other usual sources are converted. The main sources of energy mentioned above are traditional and in short supply [2, 3]. As a result, there are two major pertinent issues that arise: the depletion of fossil fuels, which is predicted to occur within ten decades [4], as well as the emissions of toxins that have a negative impact on the environment, infrastructure, and human health [5, 6]. Hence, a new clean energy production method must be developed to supplement the current electric power supply [7]. In addition, sustainable energy is commonly accepted as a prominent energy source, effectively cuts greenhouse gas emissions while filling the comprehensive energy essentials [8]. However, adding renewable energy to the system raises future problems. Applications for demand response (DR) and electric energy storage (EES) have a lot of potential [9]. Renewable energy fluctuations can be absorbed by EESs [10] and renewable energy allocation is permitted [11]. Over the past few decades, energy storage technologies have had a significant impact on the grid [12]. Concerns about air quality [13], which consist of circulating and lowering hydrocarbons [14, 15] are another key aspect of the use of storage systems.

Compressed air energy storage (CAES) stands out as a most promising and well proven knowledge for electrical energy storage. The speed breaker is a power source that may generate electric power and is regarded as an alternate energy source. The speed breaker measures approximately 10 centimeters in height in our nation. A significant amount of strain is placed on the road each day by the thousands of vehicles that cross it. It is possible to create a system with a 10 cm detection range and significant downward pressure energy. This system would use compressed air to rotate a well turbine. An extensive investigation was conducted to see how the rack and pinion technique and compressed air could improve power generation from speed breakers. However, no study is conducted using compressed air wells turbines.

We have built a modest model for our analysis. A speed breaker device's stages of development are discussed, and the mechanism for producing and storing compressed air that can be used for subsequent purposes is elaborated [3]. According to the experimental data, a typical 600 N load may provide 1V voltage, 0.7A current, and 1.71 kWh of electricity. The installation of speed breakers on roads and highways in India serves to regulate vehicular speed in busy areas [15]. While speed breakers absorb energy, there is an opportunity to harness this energy for beneficial purposes. This report explores the potential of utilizing the energy generated by speed breakers on highways to perform productive activities.

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FACULTY PUBLICATION

An article titled "Impact of Solvent Impurities on Stainless steel Corrosion in CO2 - Saturated NaCl Environments: Mechanism and Implications", which has been published by our faculty Dr.K.R.Kanimozhi, Associate professor in Web of Science, Oriental Journal of Chemistry, An International peer Reviewed Research journal on Feb 2024.

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Impact of Solvent Impurities on Stainless Steel Corrosion in CO_2-Saturated NaCl Environments: Mechanisms and Implications

KANIMOZHI. K. R

[a]Department of Chemistry, Sri Krishna College of Technology, Coimbatore, Tamil Nadu, India.
*Corresponding author E-mail: k.r.kanimozhi@skct.edu.in

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ABSTRACT

The presence of solvent impurities can significantly impact the corrosion performance of stainless steel when exposed to CO_2-saturated NaCl (Sodium Chloride) solutions. Solvent impurities, originating from various sources, may introduce chemical changes that interact with the metal surface and alter its corrosion resistance. Under simulated flow circumstances, the corrosion performance of stainless steels in the presence of contaminants such Monoethyleneglycol (MEG) and oxygen in a CO_2 environment was investigated. Utilizing a rotating cage, the corrosion performance of stainless steel was assessed, and mass loss measurements were used to calculate the corrosion rates. According to the experimental findings, the oxygenated MEG exhibits a very low rate of corrosion. SEM and EDX surface analysis techniques were utilized to examine the corrosion product that had developed on the metal surface.

Keywords: Carbon capture and Sequestration network, CO_2 sequestration, SS corrosion CO_2 Corrosion, Rotating Cage (RC), MEG.

INTRODUCTION

The Industrial Revolution marked a significant turning point in human history, characterized by the widespread adoption of mechanized production processes, which relied heavily on fossil fuels such as coal and later oil. These fuels release carbon dioxide (CO_2) and other greenhouse gases (GHGs) when burned, leading to an increase in atmospheric CO_2 levels. This has contributed to the phenomenon of global warming and climate change. The heightened levels of CO_2 and other GHGs in the atmosphere have led to a warming of the planet, resulting in various environmental and climatic changes. Human activities, primarily the burning of fossil fuels for energy, deforestation, and certain industrial processes, are responsible for the majority of the CO_2 emissions driving climate change. These anthropogenic activities have disrupted the natural balance of carbon cycling, leading to an accumulation of CO_2 in the atmosphere. While renewable energy sources such as solar, wind, hydroelectric, and geothermal are being increasingly adopted to mitigate carbon emissions, the transition away from fossil fuels is a complex and gradual process. Fossil fuels still dominate the global energy landscape due to their convenience and high energy density. CCS is often considered a bridging technology because it

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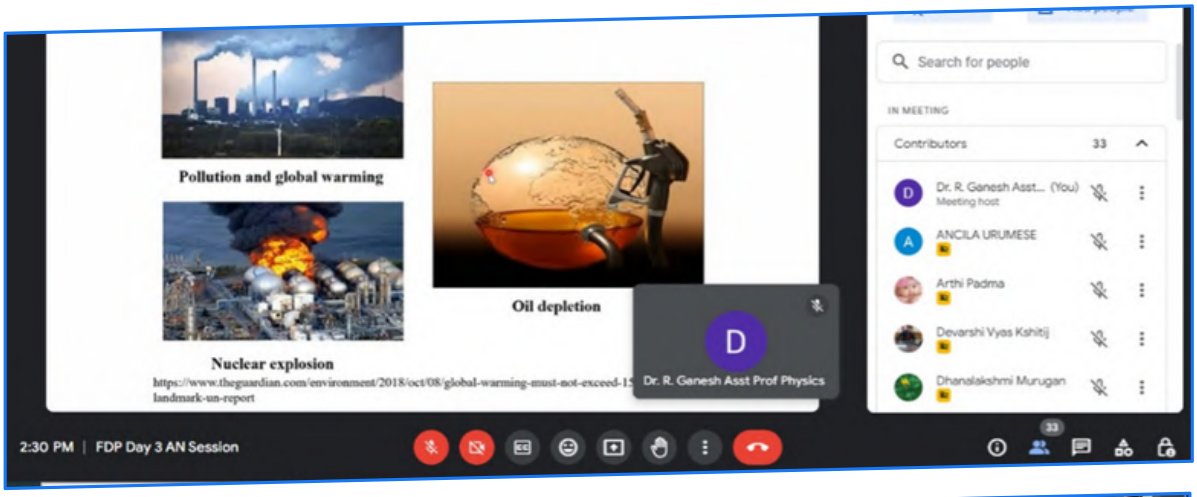
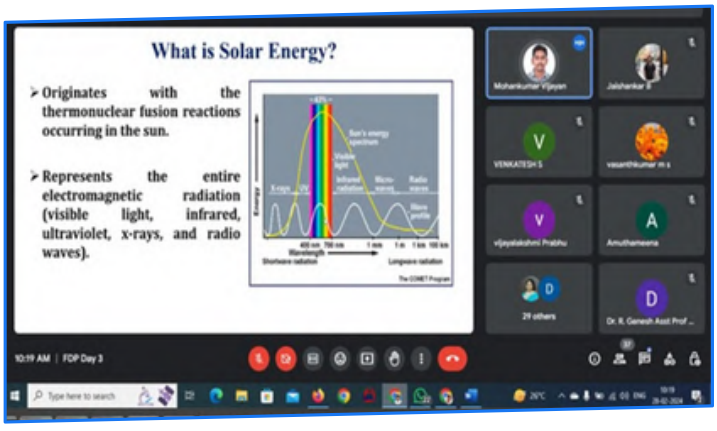
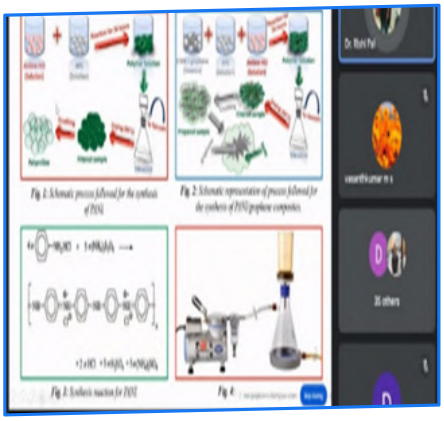
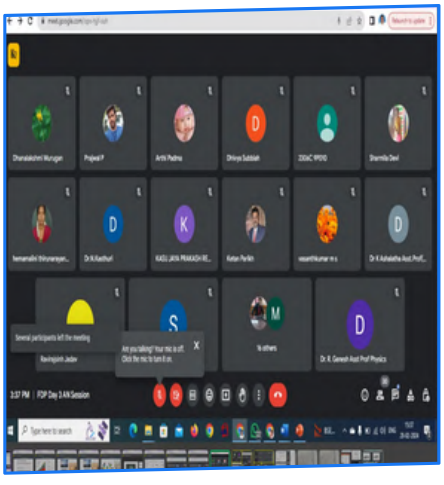
The Department organized a one week online International Faculty Development Programme on “Advanced Nanomaterials for Energy and Environmental Applications”









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EVENTS ORGANIZED

The department in association with IIC and SAHA (Science Association) organized a Seminar on "Future Technologies-its Ethics and Impact”

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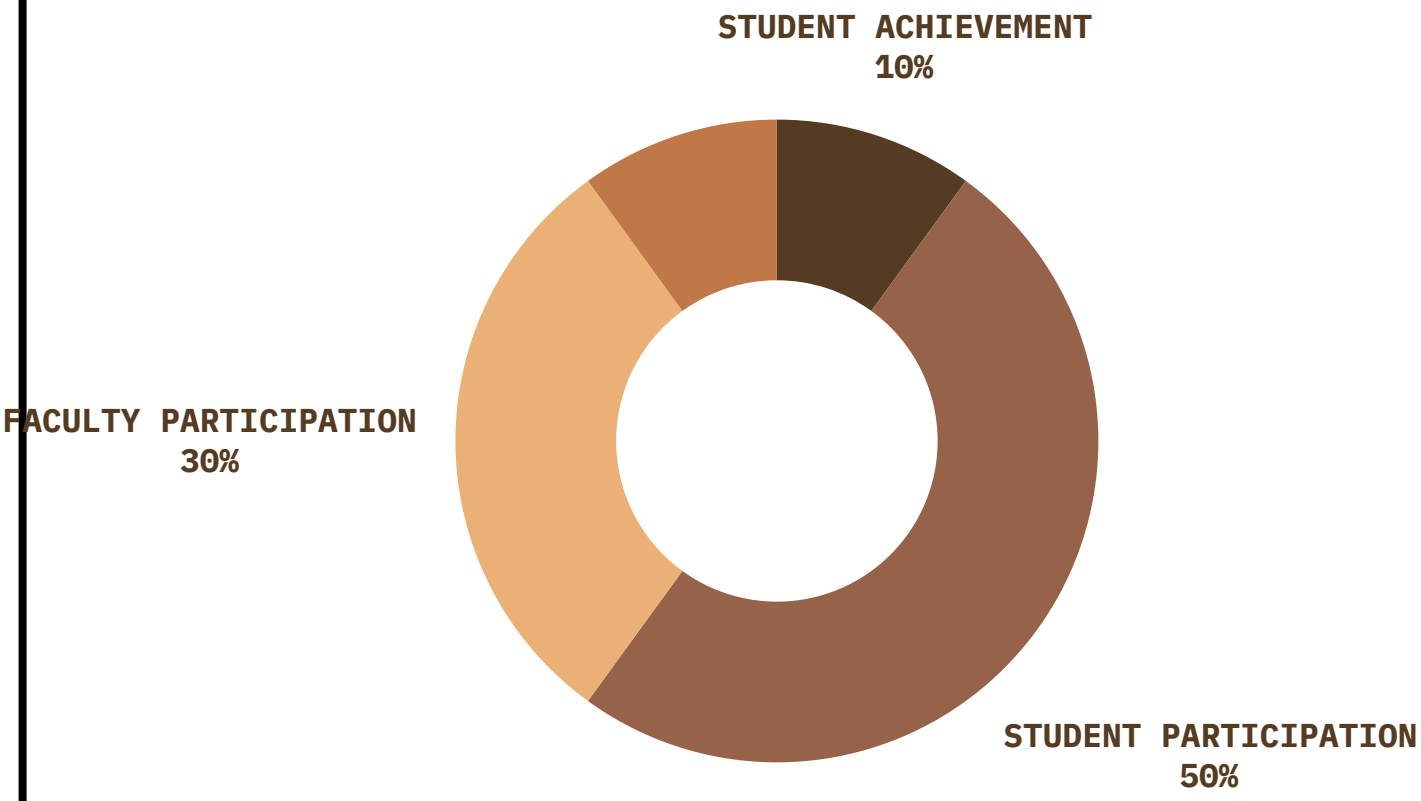
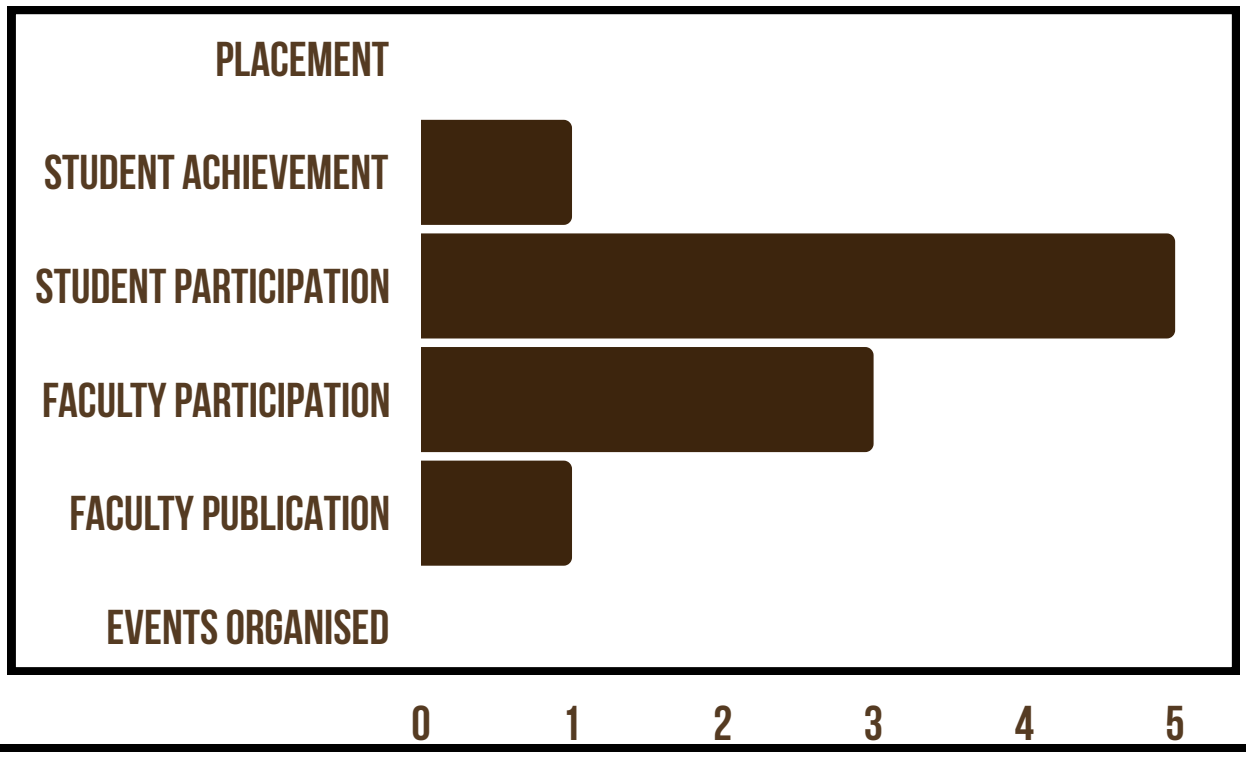
CONTENT CONTRIBUTION





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Students of II year attended various events like “Paper Presentation”, “Lets C”, “Coding Chaos”, “Reverse Coding”, “Crime Scene”, “Connections” conducted by MIT, Chennai.

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FACULTY PARTICIPATION

Dr.R.Vidhya published an paper on the Migration Letter Volume: 21, No: S7 (2024), pp. 543-549 ISSN: 1741-8984 (Print) ISSN: 1741-8992 (Online)

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Advanced Vehicle Tracking System With Number Plate Detection Using Deep Learning And Computer Vision

[1]Dr. Vidhya R, [2]Kirthik R, [3]Kaushikk B, [4]Kamalesh P

ABSTRACT

In recent years there has been a huge increase in the population of vehicles. Tracking a particular vehicle among the traffic is done manually and it is a very time-consuming process. Manual tracking can sometimes miss the subject due to various reasons like human error. Tracking the vehicle in real-time becomes almost impossible due to the large number of vehicles passing through a particular area. This article introduces a breakthrough solution that integrates computer vision, deep learning and object tracking to revolutionize vehicle monitoring and tracking system. The Solution leverages footages from surveillance cameras which are placed throughout the landscape. Our advanced vehicle tracking system aims to overcome the limitations of tradition manual tracking methods. It does it by analyzing the footages and gathering the data from it, then the data is processed to track the vehicle across various locations. The system can get data from already existing AI cameras directly or process the footages and use the data from it. The project aims to use YOLO V8 and Optical character recognition (OCR) System to extract data from the footages. The System will not only dynamically track vehicles, but also map vehicle trajectories on a map, providing valuable insights into traffic patterns. This article details the project's objectives, methodology and expected outcomes of an innovative approach to transport management and tracking.

Keywords: *Computer Vision, License Plate Detection, Optical Character Recognition.*

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