

SRI KRISHNA COLLEGE OF TECHNOLOGY

DIGEST

R E F L E C T I O N O F O U R P R I D E



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SKCT DIGEST



COLLEGE LEVEL EVENTS

ORIENTATION
INDUCTION
GRADUATION
Values of Learning COURSERA



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ORIENTATION

ORIENTATION PROGRAM FOR FIRST YEAR B.E./B.TECH STUDENTS WAS HELD AT VANKATRAM HALL, SRI KRISHNA COLLEGE OF TECHNOLOGY, KOVAIPUDHUR ON 28.10.2022. NEEYA NAANA FAME DR. C GOPINATH INTERACTED WITH STUDENTS AND GRACED THE OCCASION WITH HIS PRESENCE. ALSO, OUR CHAIRPERSON AND MANAGING TRUSTEE SMT. S MALARVIZHI, CEO DR. K.SUNDARARAMAN AND PRINCIPAL DR. S. MARAGATHAM HONoured THE PROGRAM WITH THEIR PRESENCE.



கோவை புதூர் பகுதியில் உள்ள ஸ்ரீ கிருஷ்ணா தொழில்நுட்பக் கல்லூரியில், முதலாம் ஆண்டு மாணவர்களுக்கான வழிகாட்டு விழா

கோவை, அக். 30 கோவை மாவட்டம், கோவை புதூர் பகுதியில், உள்ள ஸ்ரீ கிருஷ்ணா தொழில்நுட்பக் கல்லூரியில், முதலாம் ஆண்டு மாணவர்களுக்கான வழிகாட்டு விழா நிகழ்ச்சி நடைபெற்றது. இந்த நிகழ்ச்சியில், ஸ்ரீ கிருஷ்ணா கல்வி நிறுவனங்களின், தலைவரும் நிர்வாக அறங்காவலருமான எஸ். மலர் விழி குத்து விளக்கு ஏற்றி வைத்து நிகழ்ச்சியை துவக்கி வைத்தார். இதனை தொடர்ந்து சிறப்பு விருந்தினராக கலந்துகொண்ட சின்னத்திரை நட்சத்திரம் மற்றும் நீயா நானா புகழ், கோபிநாத் கலந்துகொண்டு, மாணவர்கள் கல்லூரி வாழ்க்கையை, எப்படி கையாள்வது என்பது



குறித்து சிறப்புரையாற்றினார், இதனையடுத்து நடைபெற்ற நிகழ்ச்சியில், கல்லூரியின் முதல்வர்டாக்டர் எஸ் மரகதம், மாணவர்களை வரவேற்று, நடைபெற உள்ள கல்வி ஆண்டில், முதன் முதலாக கல்லூரிக்கு வருகை தந்த அனைத்து மாணவர்களையும் வரவேற்று விழா பேருரையாற்றினார், இதனை தொடர்ந்து, டிஎன்இஏ 2022ம் ஆண்டு, நடைபெற்ற தேர்வில், அதிக கட ஆப் மதிப்பெண்களை பெற்ற மாணவர்களை பாராட்டி சிறப்பு பரிசுகள் வழங்கப்பட்டது., இந்த நிகழ்ச்சியில், ஸ்ரீ கிருஷ்ணா கல்வி நிறுவனங்களின் தலைமை நிர்வாக அதிகாரி டாக்டர் சுந்தரராமன், பேராசிரியர் மஞ்சு மற்றும், பல்வேறு துறைசார்ந்த பேராசிரியர்கள், மாணவர்கள் என பலரும் கலந்து கொண்டனர்.



ORIENTATION GLIMPSES





ORIENTATION

GLIMPSES



GRADUATION GLIMPSES



GRADUATION





DR. SUBHAS SARKAR, UNION MINISTER OF STATE FOR EDUCATION ADDRESSES THE STUDENTS OF SRI KRISHNA COLLEGE OF AND TECHNOLOGY. AT THE 33RD GRADUATION DAY CEREMONY ON 28.10.2022. OUR CHAIRPERSON AND MANAGING TRUSTEE SMT. S MALARVIZHI, CEO DR. K .SUNDARARAMAN PRINCIPAL DR. S. MARAGATHAM ALONG WITH MR M BALASUBRAMANIAM DIRECTOR & GLOBAL CXO HONOURED THE PROGRAM WITH THEIR PRESENCE.

GRADUATION



CIVIL INDUCTION

DAY I - 29.10.2022



DR.V.SREEVIDYA, PROFESSOR AND Ms.S.DHARSANA, ASSISTANT PROFESSOR DEPARTMENT OF CIVIL ENGINEERING, ACCOMPANIED FIRST YEAR STUDENTS TO LABORATORIES. OVERVIEW OF EXPERIMENTAL SETUP, EQUIPMENT AND ITS APPLICATION WAS BRIEFED.

DAY II - 31.10.2022

DIAGNOSTIC TEST WAS CONDUCTED FOR THE STUDENTS TO TEST THEIR ENGLISH PROFICIENCY. ESSAY WRITING ON "IMPORTANCE OF COMMUNICATION SKILLS"



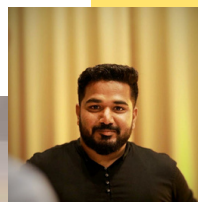
DR.V.PARIMALA, ASSISTANT PROFESSOR, MATHEMATICS HANDLED A SESSION ON "UNIVERSAL HUMAN VALUES". NURTURING STUDENTS TO LIVE WITH MUTUAL HAPPINESS WITH HUMAN BEINGS ALONG WITH THE DEVELOPMENT OF TECHNICAL AND MANAGERIAL COMPETENCE.

INDUCTION

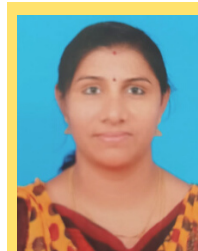


DAY III - 01.11.2022

SESSION ON "CAREER PROSPECTS FOR A CIVIL ENGINEER" BY ER.SUBBIAH P L, INTERIORS PVT LTD COIMBATORE.



SESSION ON "ENTREPRENEURSHIP AND HIGHER STUDIES - AN INSIGHT" BY MR.YEDU sKRISHNAN, CHIEF ENGINEER, BROTHERS CONSTRUCTION COMPANY, COIMBATORE.



DAY V - 03.11.2022

A SESSION ON "MULTIFACETED ROLES OF CIVIL ENGINEER IN SOCIETY" BY Ms.R.BINDHU, MANAGING PARTNER, MADURAA CONSULTANTS, SALEM.



CSE INDUCTION

DEPT OF CSE ARRANGED A SESSION ON "UNIVERSAL HUMAN VALUES" FOR THE STUDENTS OF CSE, AIML, ADS, CYBER SECURITY, AND IOT ABOUT THE IMPORTANCE OF UNIVERSAL HUMAN VALUES.



DEPT OF CSE ARRANGED A SESSION ON "UNIVERSAL HUMAN VALUES" FOR THE STUDENTS OF CSE, AIML, ADS, CYBER SECURITY, AND IOT ABOUT THE IMPORTANCE OF UNIVERSAL HUMAN VALUES.

DEPT OF CSE CONDUCTED A DIGNOSTIC TEST ON ENGLISH PROFICIENCY AND COMPUTER PRACTICE FOR FIRST YEAR STUDENTS OF CSE, AIML, ADS, CYBER SECURITY, IOT.



DEPT OF CSE CONDUCTED A SESSION ON "ERP APPLICATIONS AND THEIR BENEFITS" AS A PART OF FIRST YEAR INDUCTION PROGRAMME FOR CSE, AIML, ADS, CYBER SECURITY, AND IOT STUDENTS. THE SESSION WAS HANDLED BY MR.B.ARUN, FUNCTIONAL LEAD, FEKRA DIGITAL SERVICES, FRANCE.



DEPT OF CSE ORGANIZED A SESSION ON "IN PREPARATION FOR A BRIGHT FUTURE" AS A PART OF FIRST YEAR INDUCTION PROGRAMME FOR CSE, AIML, ADS, CYBER SECURITY, AND IOT STUDENTS. THE SESSION WAS HANDLED BY Ms. SUPRIYA SHANKAR, DIRECTOR, M-POWER JOBS SERVICES PVT LTD, PROPRIETOR - RESOURCING ZONE, PARTNER-RECRUITMENT EXCHANGE, COIMBATORE.





ECE



ECE INDUCTION**SESSION I:****DAY 1 / DATE: 29.10.2022.**

INDUCTION PROGRAM HAS BEEN CONDUCTED FOR THE STUDENTS OF FIRST YEAR BE ECE ON 29 OCTOBER 2022. DR G. SHANTHI, PROFESSOR & HOD DEPT OF ECE WELCOMED THE STUDENTS AND MOTIVATED THEM TO WORK HARD TO REACH THEIR GOALS AND DREAMS. DEPARTMENT TUTORS AND THE SENIOR STUDENTS WELCOMED THE JUNIOR'S CHEERFULLY AND INTERACTED WITH THEM. MENTOR MENTEE INTRODUCTION AND INTERACTION WITH RESPECTIVE CLASS ADVISORS WAS DONE.

**SESSION II:**

THE FIRST YEAR STUDENTS WERE TAKEN FOR A DEPARTMENTAL TOUR THEY VISITED THE ECE DEPARTMENT LABS AND OTHER AMENITIES AVAILABLE IN THE DEPARTMENT. THE LAB IN-CHARGES OF ECE DEPARTMENT GAVE A BRIEF IDEA OF THE EQUIPMENTS, GUIDELINES TO BE FOLLOWED AND FACILITIES EXISTING IN THE CORRESPONDING LAB.

SESSION I:**DAY 2 / DATE: 31.10.2022.**

INDUCTION PROGRAM HAS BEEN CONDUCTED FOR THE STUDENTS OF FIRST YEAR BE ECE ON 31 OCTOBER 2022. DR N NALINI, MR S KARTHIK AND Ms A SUJIPRIYA , DEPT OF SCIENCE AND HUMANITIES WELCOMED THE STUDENTS AND PROVIDED AN INTERACTIVE SESSION ON "UNIVERSAL HUMAN VALUES". THE FACULTY MEMBERS PRESENTED AND DELIVERED THE VARIOUS ASPECTS OF THE TOPICS. THE STUDENTS ALSO ACTIVELY PARTICIPATED AND INTERACTED DURING THE SESSION.

**SESSION II:**

THE FIRST YEAR STUDENTS WERE PROVIDED WITH A "DIAGNOSTIC TEST" FOR BETTER EXPOSURE OF THE RECENT TRENDS IN THE TECHNIQUES RELATED TO THE FIELD OF ELECTRONICS AND COMMUNICATION ENGINEERING. THE FIRST YEAR STUDENTS ALSO ACTIVELY PARTICIPATED IN AN ESSAY WRITING ON THE TOPIC "IMPORTANCE OF COMMUNICATION SKILLS". THE STUDENTS ENTHUSIASTICALLY PARTICIPATED AND PRESENTED THEIR IDEAS IN THE SESSION.

SESSION I: DAY 3 / DATE: 01.11.2022.



DR. V. LINGASWAMY, MANAGER, R&D, RAKHTE MOBILE INC., BANGALORE HAVE DELIVERED AN INDUSTRIAL EXPERT TALK ON "EMERGING INDUSTRY TRENDS IN COMMUNICATION TECHNOLOGIES" AS A PART OF INDUCTION PROGRAM TO THE STUDENTS OF FIRST YEAR ECE AT ES SEMINAR HALL ON 01 NOVEMBER 2022. DR. G. SHANTHI, PROFESSOR & HEAD OF ECE DEPARTMENT AND THE FIRST YEAR TUTORS COORDINATED THE EVENT.

SESSION II:

AS A PART OF INDUCTION PROGRAM A SESSION ON PROFICIENCY MODULES IN COMPUTER & ENGLISH TRAINING HAS BEEN HANDLED BY MS B VIDHYA AND MS. N. KIRTHIKA, ASST. PROFESSOR, L&D DEPARTMENT TO THE STUDENTS OF FIRST YEAR ECE AT ES SEMINAR HALL ON 01 NOVEMBER 2022.



SESSION I: DAY 4 / DATE: 02.11.2022.

MR. VRDM KAUSHIK AGASTYARAJ, SENIOR FACULTY ,ACE ENGINEERING ACADEMY, HYDERABAD HAVE DELIVERED AN ONLINE WEBINAR ON "HIGHER EDUCATION IN ABROAD" AS A PART OF INDUCTION PROGRAM TO THE STUDENTS OF FIRST YEAR BE ECE AT ES SEMINAR HALL ON 02 NOVEMBER 2022. DR. K. MUTHULAKSHMI, PROFESSOR AND MS. M.PRIYATHARISHINI, ASST. PROFESSOR , DEPT. OF ECE COORDINATED THE EVENT TO THE FIRST YEAR ECE STUDENTS.

SESSION II:

A SESSION ON ACTIVITY BASED LEARNING IS CONDUCTED TO THE STUDENTS OF FIRST YEAR BE ECE AT ES SEMINAR HALL ON 02 NOVEMBER 2022 AS A PART OF INDUCTION PROGRAM. DR. K. MUTHULAKSHMI, PROFESSOR, MS. B PRIYANKA AND MS.M.PRIYATHARISHINI ASST. PROFESSOR, DEPT. OF ECE COORDINATED THE EVENT AND THE STUDENTS ACTIVELY PARTICIPATED IN VARIOUS TECHNICAL EVENTS LIKE QUIZ, CONNECTION AND COLLABORATIVE LEARNING.



SESSION I: DAY 5 / DATE: 03.11.2022.

MR. K.BALAMURUGAN, DIRECTOR, AZTEK TECHNOLOGIES, COIMBATORE & PIRAI INFOTECH, INDIA & MALAYSIA, HAVE DELIVERED AN INDUSTRIAL EXPERT TALK ON "GOAL SETTING" AS A PART OF INDUCTION PROGRAM TO THE STUDENTS OF FIRST YEAR ECE AT ES SEMINAR HALL ON 03 NOVEMBER 2022. DR. M. THILLAI RANI, MR. M.NAVIN KUMAR AND MR.G.SANTHAKUMAR, ASST. PROFESSOR, DEPT. OF ECE COORDINATED THE EVENT TO THE FIRST YEAR ECE STUDENTS.



SESSION II:

INDUCTION PROGRAM HAS BEEN CONDUCTED FOR THE STUDENTS OF FIRST YEAR BE ECE ON 03 NOVEMBER 2022. THE FIRST YEAR STUDENTS WERE PROVIDED WITH A "PROFICIENCY IN SPEAKING SKILLS", AN ACTIVITY THAT TESTS HOW PROFICIENT A STUDENT IS IN SPEAKING SKILLS. THE FIRST YEAR ECE STUDENTS ACTIVELY PARTICIPATED AND IT IS CONDUCTED TO IMPROVE THE ADULT LEARNERS SPEAKING PRACTICE. THE ACTIVITY MAINLY FOCUSED ON PRONUNCIATION, FLUENCY, INTERACTION, PRACTICE AND COMMUNICATION. Ms. SANTHAMANI, MR. VENUGOPAL, ASST. PROFESSOR, DEPT OF SCIENCE AND HUMANITIES AND DR. N.SUGITHA, PROFESSOR, DEPARTMENT OF ECE COORDINATED THE EVENT.

EEE INDUCTION

DAY 1 / DATE: 29.10.2022.

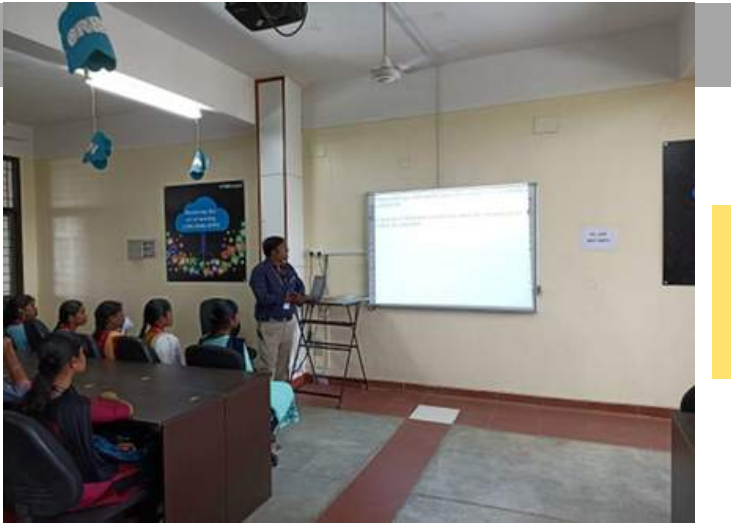
SESSION 1: MENTOR MENTEE INTERACTION. DR K P SURESH, DR K. PRITHIVI, MS HARIPRIYA AND MR P LENINPUGALHANTHI, ADDRESSED THE STUDENTS IN VARIOUS ASPECTS OF OUR CAMPUS.



SESSION 2: THE BUDDING ENGINEERS WERE THEN TAKEN AS A DEPARTMENT TOUR, DURING WHICH THEY WERE GIVEN EXPOSURE TO THE PRIME CATEGORIES OF THE CORE ENGINEERING WITH THE AID OF EQUIPMENT'S AND EXPERIMENTAL SETUP AVAILABLE IN THE LABORATORIES.

POST LUNCH SESSION 3: THE STUDENTS WERE GIVEN AN AWARENESS ABOUT "CODE OF CONDUCT AND ETHICS" BY DR P PRATHAP, PROFESSOR &HOD/MECHANICAL ENGINEERING FOLLOWED BY THE SESSION BY DR.NITHIYAVATHI/CSE ON "FAMILIARIZATION WITH COLLEGE".





SESSION I: DAY 2 / DATE: 31.10.2022.

**MR.T.BHARANI PRAKASH ASSISTANT PROFESSOR
DEPARTMENT OF EEE
BRIEFED THE STUDENTS ABOUT
UNIVERSAL HUMAN VALUES.**

SESSION II:

**MR.S.RAVI SHANKAR SENIOR MANAGER - R&D, SCHNEIDER
ELECTRIC INDIA PRIVATE LIMITED, COIMBATORE.
DELIVERED A LECTURE ON HOW TO ENHANCE TECHNICAL
KNOWLEDGE IN ELECTRICAL ENGINEERING AND CAREER
OPPORTUNITIES IN ELECTRICAL AND ELECTRONICS
ENGINEERING**



SESSION III:

**DR.P.SANTHOSH, ASSISTANT PROFESSOR, DEPARTMENT
OF EEE, DISCUSSED THE NECESSITY FOR SELF-
DEVELOPMENT IN VARIOUS SKILLS, APTITUDE / SOFT
SKILLS / BEHAVIOURAL SKILLS.**



IT INDUCTION



DEPARTMENT OF INFORMATION TECHNOLOGY CONDUCTED THE INDUCTION PROGRAM FOR THE FIRST YEAR STUDENTS ON 29 OCTOBER 2022. INTERACTION WITH CLASS TUTORS , DEPARTMENT VISIT TO EXPLAIN THE LABORATORY AND OTHER FACILITIES AVAILABLE WAS DONE.



THE DEPT. OF IT CONDUCTED A SESSION ON "UNIVERSAL HUMAN VALUES" FOR FIRST YEAR IT STUDENTS ON 31 OCTOBER 2022 . DR CHRISTY JEBA MALAR , ASSO PROFESSOR , DR R SUGANYA , ASSO PROFESSOR, MR A SURESH KUMAR ASST PROFESSOR DEPT. OF IT, INTERACTED WITH THE STUDENTS ABOUT REALIZING HUMAN SOCIETY AND ETHICS

THE DEPT. OF IT CONDUCTED A DIAGNOSTIC TEST ON "ENGLISH PROFICIENCY" FOR FIRST YEAR IT STUDENTS ON 31 OCTOBER 2022 . THE EVENT WAS CONDUCTED TO TEST THE LANGUAGE SKILLS OF THE STUDENTS.



MECH INDUCTION

**. I YEAR B.E MECHANICAL
INDUCTION PROGRAM - DAY 2 -
29.10.2022**

**DR.S.SUNDARARAJ,PROFESSOR,
MECHANICAL ENGINEERING
EXPLAINED ALL MECHANICAL
LABS FOR FIRST YEAR STUDENTS**



**I YEAR B.E MECHANICAL INDUCTION PROGRAM - DAY 3 -
01.11.2022**

**EXPECTATIONS OF AN INDUSTRY FROM BUDDING ENGINEERS
RESOURCE PERSON: MR. R.SATHISH, HEAD - PROGRAM
MANAGEMENT, M/s.LAKSHMI MACHINE WORKS LTD., TEXTILE
MACHINERY DIVISION, COIMBATORE.**



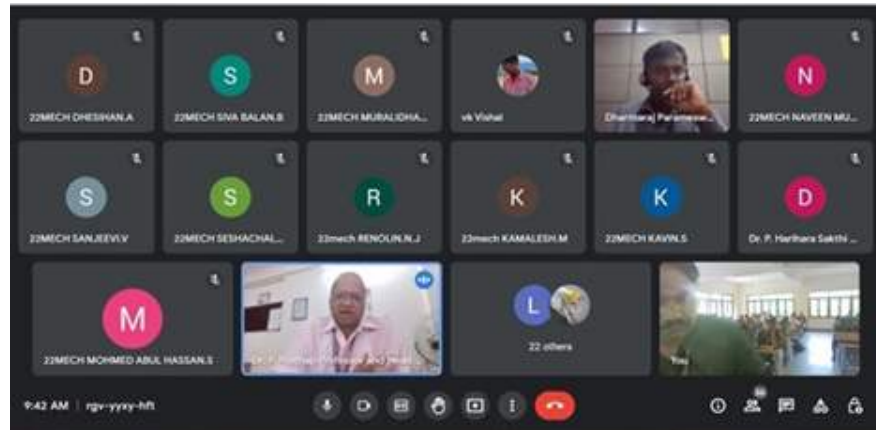
**I YEAR B.E MECH INDUCTION PROGRAM - DAY 4 -
02.11.2022**

**DR P HARIHARA SAKTHI SUDHAN HANDLED A SESSION ON
CAREER OPPORTUNITIES - JOB (IT AND CORE), HIGHER
STUDIES IN INDIA AND ABROAD, ENTREPRENEURSHIP
(SOME START UP CASE STUDIES) FOR FIRST YEAR
STUDENTS ON 02.11.2022**



I YEAR B.E MECH INDUCTION PROGRAM - DAY 5 - 03-11-2022

MR. DHARMARAJ P, NEW PRODUCT INTRODUCTION MANAGER, CATERPILLAR INDIA PVT LTD, CHENNAI DELIVERED A TALK ON INDUSTRY INTRODUCTION AND NEED FOR SHAPE-SHIFTING THROUGH ONLINE



PLACEMENT & TRAINING DIVISION
INDUCTION



A SESSION ON "INDUSTRY READINESS " WAS HANDLED BY OUR CURRENT FINAL YEAR STUDENTS AND ALUMNI WHO GOT OFFERS IN DREAM COMPANIES.



VALUES OF LEARNING COURSERA

SKCT ORGANIZED AN INSIGHT ON "VALUES OF LEARNING COURSERA" WITH OUR DIRECTOR DR S MARAGATHAM AND OUR CEO DR K SUNDARARAMAN ADDRESSED THE SECOND YEAR STUDENTS, CONDUCTED AT VENKATRAM HALL ON 19 OCTOBER 2022. DR THILLAI RANI M, ASST. PROFESSOR, DEPT. OF ECE COORDINATED THE EVENT.



STUDENTS' PARTICIPATIONS & ACHIEVEMENTS

CSE & ADS

First Prize of 50,000/-

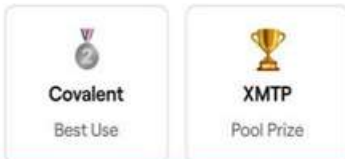


Mr V S Arun, Ms B Harshita, Students of Second Year CSE Section and Ms B Kirthika, Student of Second Year ECE, have won the FIRST POSITION with a case prize of Rs.50,000/- in the "HACKADEMIC-TECHNICAL EVENT 2022" organized by Vaibhav Global Limited in collaboration with Manipal University, Jaipur & ATAL Incubation Center-MUJ, NITI Aayog.

22, 000/- Project Sponsor

Congratulations!

Your project won the following prizes:

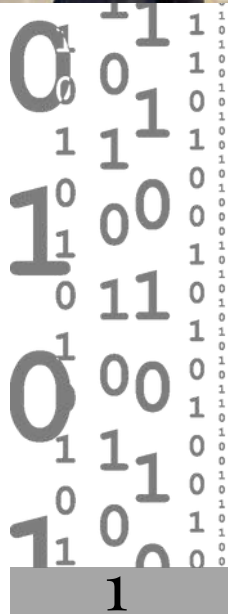


You are fully confirmed to attend this event!

Mr Sankhya Siddesh, a Student in Third Year B.E CSE C Section had won 2 Sponsor Prizes from EthGlobal Hackathon, awarded ₹22,000 for his project.



Mr Y Krishnamohan, Student of Second Year B.E. CSE B section, Presented a paper titled Smart Farming in IoT in the technical symposium "Genesis 2k22" organized by Sri Ramakrishna Engineering College, Coimbatore.



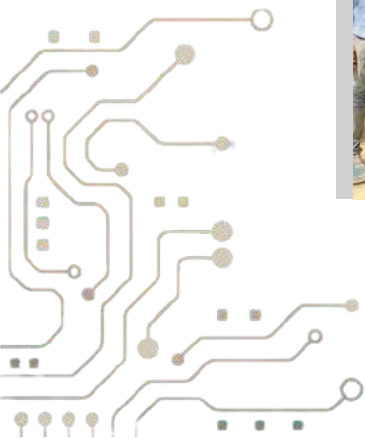
RIGATHON'22 AT KCT



PRAVEGA INNOVATION SUMMIT




Dhayanandapathy. S, SriHariharan.V, Saifullah.A, Sri Ram.S, Suryaa.R.S, Gurucharan.R, Deepak.N, Aathithiyaa.D have participated and won cash prizes in various events organized by Sri Ramakrishna Engineering College, Coimbatore on 18.10.2022.



Mr C Sivaprakasam, Mr OSD Sankhya Siddesh, Ms S Oviya, Student of Third Year B.E CSE Section, have participated and have won Dr. Kalam Young Achiever Award.

Mr R Dinesh, Mr A Naveen Kumar, Mr S Sundar, Students of second year B.Tech - Artificial Intelligence and Data Science have participated in Scavengers Quest and Treasure Hunt events at graVITas'22 organized by VIT University, Vellore.






Tamil Amuthu
Cloud Campaign Associate

"There is no rule of architecture ,for a castle in the cloud."

Google Developer Student Clubs
Sri Krishna College of Technology - Calicut



Arun
Machine learning Associate

"Even the machines learn from me"

Google Developer Student Clubs
Sri Krishna College of Technology - Calicut

RIGATHON'22 AT KCT





Ms S Poojasree and Mr S Umashankar, Students of second year B.Tech - Artificial Intelligence and Data Science have participated in a workshop on Plunge into world of data science at graVITas'22 organized by VIT University, Vellore.



4	+2	Master Data		0.99498	55	10d
5	+2	Turing Machines		0.99498	1	12d
6	+2	Unknowns		0.99498	1	12d
7	+2	Sudharshan IV		0.99498	11	10d
8	+2	JSH		0.99498	2	12d
9	+2	Seekers		0.99498	1	12d
10	+2	Pavilion		0.99498	4	10d
11	+8	AKANDA		0.99498	4	11d
12	+1	stafa shreem		0.99498	2	11d
13	+1	Boaty McBoat		0.99498	2	10d
14	+1	3 Arrows		0.99498	12	10d
15	+1	lonix		0.99498	3	9d



Mr S Dharshan, Mr E Deepak Kumar, and Mr R Dhiyaneshwar, (Team 3 arrows), AND Mr V S Arun, Mr J B Guhan and Ms B Harsita, (Team lonix) Students of Second Year CSE A Section, have been shortlisted among the top 15 teams of "Hawk the log" event organized by Birla Institute of Technology & Science (BITS)



Students Certification From CSE & ADS



ECE

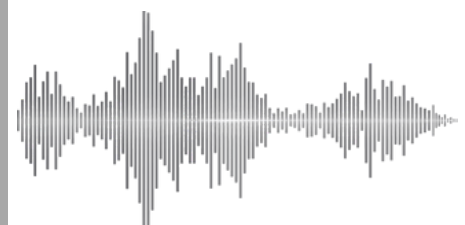


Ms B Kirthika, Second year BE ECE B section, secured First Place with a reward of Rs.50,000 in "HACKADEMIC-TECHNICAL EVENT 2022" organized by Vaibhav Global Limited in collaboration with Manipal University, Jaipur & ATAL Incubation Center-MUJ, NITI Aayog, ATAL Innovation Mission on 15 October 2022.



Ms Shenbaga Bharathi G of Second year BE ECE C section, secured First Place and Ms Swetha P of Third year BE ECE C section secured Third Place in Elocution Competition on "Culture of Peace and Non-violence" organized by Sri Krishna College of Technology on 10 October 2022.

DR KALAM YOUNG AWARD ACHIEVERS





Mr S Sudharsan of Final year BE ECE C section received an appreciation on “Dr Kalam Young Achiever Award” by World Youth Federation on 01 October 2022

Ms. A. Jayashree of Second year BE ECE A section has participated in “Paper Presentation Event” conducted as a part of SRiSHTi 2K22, a National level Technical Symposium held at PSG College of Technology on 29 October and 30 October 2022.





Mr V Sarathi and Mr J Vishnurajaa, Second year BE ECE C section, participated in Local Start Up Meet organized by “Entrepreneurship Cell IIT kharagpur” conducted at Indian Institute of Technology Madras on 15 October 2022.

EEE



Neha N, Student of Second EEE B has attended two days workshop on “Embedded Signal Processing” at PSG College of Technology, Coimbatore from 29- 28 October 2022.

WORKSHOP ON "PYTHON FOR ELECTRICAL SCIENCES" AT KCE



NPTEL CERTIFICATIONS



Elite
NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
HARI NAREN K M
for successfully completing the course

Developing Soft Skills and Personality
with a consolidated score of **72** %

Online Assignments	22.42/25	Proctored Exam	49.21/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **9572**

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jul-Sep 2022
(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL22HS7523054373 To validate the certificate [QR Code] No. of credits recommended: 2 or 3



Elite
NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
VIVITHA E
for successfully completing the course

Developing Soft Skills and Personality
with a consolidated score of **73** %

Online Assignments	22.88/25	Proctored Exam	50.5/75
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Total number of candidates certified in this course: **9572**

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jul-Sep 2022
(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL22HS7523051208 To validate the certificate [QR Code] No. of credits recommended: 2 or 3



NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
RISHVA J
for successfully completing the course

Developing Soft Skills and Personality
with a consolidated score of **57** %

Online Assignments	22.5/25	Proctored Exam	34.49/75
--------------------	---------	----------------	----------

Total number of candidates certified in this course: **9572**

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jul-Sep 2022
(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL22HS7523052249 To validate the certificate [QR Code] No. of credits recommended: 2 or 3



NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
ASWATH A R
for successfully completing the course

Developing Soft Skills and Personality
with a consolidated score of **53** %

Online Assignments	18.25/25	Proctored Exam	34.54/75
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Total number of candidates certified in this course: **9572**

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jul-Sep 2022
(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL22HS7513570713 To validate the certificate [QR Code] No. of credits recommended: 2 or 3



NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
JEFFMARSHAL S
for successfully completing the course

Developing Soft Skills and Personality
with a consolidated score of **53** %

Online Assignments	22.79/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **9572**

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jul-Sep 2022
(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL22HS7524110372 To validate the certificate [QR Code] No. of credits recommended: 2 or 3



Mr Arjun, Mr Aswath, Aadhitya and Mr Karpagasivakumar, Students of Second B.E. EEE A section, participated and won second place in the “National Level Design contest” at SNS College of Technology with a cash award of Rs 700 each among 40 teams, on 29 September 2022.



Dyanesh S (Captain of team Dhruva) from II year EEE-A along with his team members have been shortlisted for the “finals in the Big Red Hacks organized by Cornell University”.



VERZO COURSE COMPLETION



MECHANICAL

Industrial Visit

Students from II year Mechanical have visited Classik Cooling Towers, Annur on November 1, 2022.



Faculties and Students from Department of Mechanical Engineering attended Youth Leadership Summit 2022 at Sri Krishna College of Engineering and Technology, Coimbatore.



NPTEL CERTIFICATIONS BY
MECHANICAL

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
SURIYA PRAKASH S
for successfully completing the course

Developing Soft Skills and Personality
with a consolidated score of **67** %

Online Assignments	22.79/25	Proctored Exam	44.33/75
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Total number of candidates certified in this course: 9572


Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur


Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Jul-Sep 2022
(8 week course)




Roll No: NPTEL22H57524110346 To validate the certificate  No. of credits recommended: 2 or 3

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
K DHANUSH
for successfully completing the course

Developing Soft Skills and Personality
with a consolidated score of **67** %

Online Assignments	22.83/25	Proctored Exam	44.09/75
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Total number of candidates certified in this course: 9572


Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur


Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Jul-Sep 2022
(8 week course)




Roll No: NPTEL22H57523053663 To validate the certificate  No. of credits recommended: 2 or 3

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
NITHISH KUMAR L M
for successfully completing the course

Developing Soft Skills and Personality
with a consolidated score of **53** %

Online Assignments	18.54/25	Proctored Exam	34.44/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: 9572


Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur


Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Jul-Sep 2022
(8 week course)




Roll No: NPTEL22H57513780948 To validate the certificate  No. of credits recommended: 2 or 3

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
S VISHWA
for successfully completing the course

Developing Soft Skills and Personality
with a consolidated score of **53** %

Online Assignments	23.04/25	Proctored Exam	30/75
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Total number of candidates certified in this course: 9572


Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur


Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Jul-Sep 2022
(8 week course)




Roll No: NPTEL22H57523280810 To validate the certificate  No. of credits recommended: 2 or 3

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
GURU NANDHANAN M
for successfully completing the course

Developing Soft Skills and Personality
with a consolidated score of **60** %

Online Assignments	22.83/25	Proctored Exam	37.63/75
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Total number of candidates certified in this course: 9572


Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur


Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Jul-Sep 2022
(8 week course)




Roll No: NPTEL22H57523054391 To validate the certificate  No. of credits recommended: 2 or 3

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
VISWAJITH PJ
for successfully completing the course

Developing Soft Skills and Personality
with a consolidated score of **56** %

Online Assignments	22.17/25	Proctored Exam	33.98/75
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Total number of candidates certified in this course: 9572


Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur


Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Jul-Sep 2022
(8 week course)




Roll No: NPTEL22H57513260005 To validate the certificate  No. of credits recommended: 2 or 3



CIVIL

Dr KALAM YOUNG AWARD ACHIEVERS



Mr Parimezhagan of II M.E Structural have attended Seminar on "Sustainable Infrastructre" organised by Association of Consulting Civil Engineers & RAMCO Cements at Hotel the Residency Towers on 30 September 2022.





The Department of Civil Engineering, SKCT is happy to share that our IV -B.E Civil Engineering student batch Mr.Dhaswanth, Mr.Aswin Ram, Mr.Naresh Ram and Mr.Saran Vignesh was awarded Dr.Kalam Young Achiever Award 2022, by World Youth Federation for their innovative project at State level by Former TN Minster Education & Culture Dept Mr.Ma.Foi.K.Pstudents.Title :**"Studies on Eco-Friendly Polymer Paver Block Using Recycled Aggregate Concrete"**
Guide: Dr.I.Padmanaban,Prof & Head
Mentor: Mr.R.Ramesh AP/Civil





Mr T Kathir, of Third year B.E – Civil Engineering have participated and Volunteering in “Hermes 2022 – SKM Mini Marathon for the cause of Say No To Suicide.

FDP CERTIFICATIONS



MBA

Ms Yogapriya Student of Second year MBA got Internship offer from Inai Technologies as Product customer success Intern.



Ms Vinodhini Students of Second year MBA got Internship offer from SaasAnt InfoTech Private Limited as Management Trainee.

Students of Second year MBA attended webinar on "Gateway to Research" organised by SKCT central library on 15 October 2022



UCI University of California, Irvine

Aug 21, 2022

Dhinesh Prabhu T

has successfully completed

Human Resources Analytics

an online research course authorized by University of California, Irvine and offered through Coursera

Limor Sorek

Limor Sorek
Associate Professor, Human Resources

COURSE
CERTIFICATE



Mr Dhineshprabhu Students of Second year MBA completed Human Resources Analytics course from University of California organised by Coursera

Certificate of Completion

This is to certify that
BARATH M
has completed the quiz
"World Investor Week - Day 1 Quiz"
 with a score of **90%**
dated
October 10, 2022

Students of Second year MBA attended World Investor Quiz organised by National Institute of Securities Markets (NISM)

Students of Second year MBA and Ms Monisha K Asst.Professor School of Management attended "Youth Leadership Summit 2022" organised by ICT academy in Sri Krishna College of Technology on 12 October 2022



Students of Second year MBA Planted saplings in SKCT campus on the eve of Dr A P J Abdul Kalam Sir's Birth Anniversary

Students of second year MBA organised and Participated in Treasure Hunt on 29.10.2022



PLACEMENTS



SRI KRISHNA COLLEGE OF TECHNOLOGY
Wishes here
DEPARTMENT OF MECHANICAL ENGINEERING
(ACCREDITED BY NBA)

Congratulations

PRAVIN BABU R S
FINAL YEAR MECHANICAL
PLACED IN
Ganit
With
6 Lakhs Per annum



SRI KRISHNA COLLEGE OF TECHNOLOGY
Wishes here
DEPARTMENT OF MECHANICAL ENGINEERING
(ACCREDITED BY NBA)

Congratulations

MUTHUKRISHNAN S
FINAL YEAR MECHANICAL
PLACED IN
Ganit
With
6 Lakhs Per annum

Ms Rosini, Ms Subhiksha ,
Ms Sudharshana Students
of Second year MBA got
placed in London Stock
Exchange Group,
Banglore.



Refinitiv India Shared Services Private Limited
(Formerly known as F&I India Operations and Shared Services Private Limited)
Registered Office: One World Centre, 12th Floor
Tower 1, 841 Senapati Bapat Marg,
Mumbai 400 013, Maharashtra, India
Phone: +91 22 4180 7801
Fax: +91 22 4180 7700
CIN: U72200MH2018PTC309673

LSEG

05 October 2022

Sudharshana L,
17, South chelva Street, srirangam,
Srirangam, 620006

Dear Sudharshana L,

Following our recent discussions, we are delighted to extend an offer of employment to you.

Enclosed is a Summary of Key Terms, any applicable Schedule and Detailed Terms and Conditions which set out important conditions relating to your employment and which, together, form your employment agreement ("Agreement") with Refinitiv India Shared Services Private Limited, a part of LSEG, London Stock Exchange Group.

This offer is conditional upon you satisfying the relevant recruitment and screening conditions and procedures, and where applicable, the appropriate regulatory approvals.

On or before your first day of employment, you will need to provide written documentation which proves your eligibility to work in India.

You will also need to sign a copy of your Agreement (enclosed), confirming that you have read, understood and accept the terms set out in your Agreement.

We look forward to welcoming you to the Company.

Yours sincerely,



Laura Thurston
Head of Talent Acquisition

Encl
 * Summary of Key Terms
 * Detailed Terms & Conditions
 * Data Privacy Policy





SRI KRISHNA COLLEGE OF TECHNOLOGY
Wishes from
DEPARTMENT OF MECHANICAL ENGINEERING
(ACCREDITED BY NBA)

Congratulations

MIDHUN MURALI C
FINAL YEAR MECHANICAL
PLACED IN

 **cognizant**
With
4 Lakhs Per annum



SRI KRISHNA COLLEGE OF TECHNOLOGY
Wishes from
DEPARTMENT OF MECHANICAL ENGINEERING
(ACCREDITED BY NBA)

Congratulations

PUGAZHENTHI D
FINAL YEAR MECHANICAL
PLACED IN

 **cognizant**
With
4 Lakhs Per annum



SRI KRISHNA COLLEGE OF TECHNOLOGY

CONGRATULATIONS

Wishes from
DEPARTMENT OF MECHANICAL ENGINEERING
(ACCREDITED BY NBA)

MUTHUKRISHNAN S
FINAL YEAR MECHANICAL
FOR
TRIPLE PLACEMENT OFFERS

 **Ganit**
data speaks

 **LTI**
Let's Solve

 **cognizant**

EEE

TOTALLY 27 STUDENTS FROM THE DEPARTMENT OF EEE,
GOT PLACED IN CTS WITH A PACK OF 4.25 LPA.





1MR R AJAY OF FINAL YEAR BE
ECE A SECTION AND MR M
PRAVIN OF FINAL YEAR BE ECE
B SECTION HAS PLACED IN
"TEMENOS INFINITY- DIGITAL
BANKING PLATFORM"
ORGANIZED BY SRI KRISHNA
COLLEGE OF ENGINEERING AND
TECHNOLOGY ON 18 OCTOBER
2022



MR S NAVANEETH, MS K
RAJADHARANI AND MR K MANOJ
KUMAR OF FINAL YEAR BE ECE B
SECTION HAS PLACED IN "AZENTIO
SOFTWARE PRIVATE LIMITED"
ORGANIZED BY SRI KRISHNA
COLLEGE OF ENGINEERING AND
TECHNOLOGY ON 19 OCTOBER
2022.



DEPARTMENT EVENTS

CSE & ADS



FACULTY PARTICIPATION & ACHIEVEMENTS

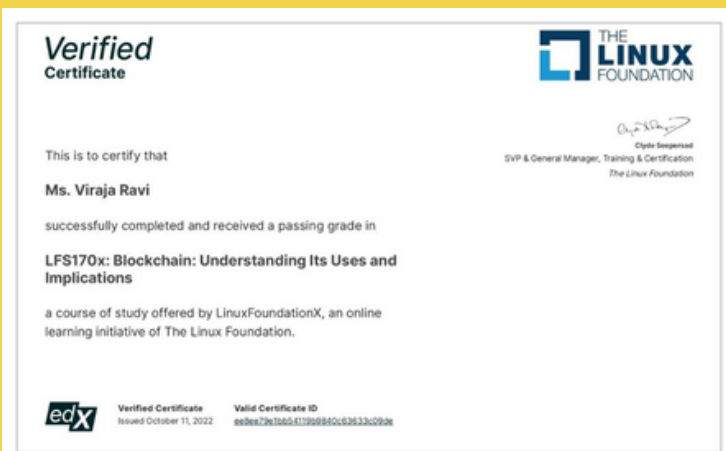
DR R KARTHICK, ASST. PROFESSOR, DEPT. OF CSE, DELIVERED A LECTURE ON INTELLIGENT SYSTEMS FOR DIPLOMA IN COMPUTER ENGINEERING STUDENTS OF SRI KRISHNA POLYTECHNIC COLLEGE.

MS P ANANTHA PRABHA, ASST. PROFESSOR, DEPT. OF CSE, ATTENDED NAAN MUDHALVAN TRAINING ON CLOUD ESSENTIALS AT PSG INSTITUTE OF TECHNOLOGY AND SCIENCES, NEELAMBUR, COIMBATORE.



MS VIRAJA RAVI, ASST. PROFESSOR, DEPT. OF CSE, HAS COMPLETED THE ONLINE CERTIFICATION ON BLOCKCHAIN : UNDERSTANDING ITS USES AND IMPLICATIONS OFFERED BY EDX ON 11 OCT 2022.

MS G SANDHYA, ASST. PROFESSOR, DEPT. OF CSE, HAS COMPLETED AN ONLINE COURSE TITLED "BLOCKCHAIN: UNDERSTANDING ITS USES AND IMPLICATIONS" OFFERED BY EDX ON 14 OCTOBER 2022





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DR R VIDHYA, ASST. PROFESSOR, DEPT. OF CSE, VISITED WALKAROO INTERNATIONAL PVT LTD & MESSER CUTTING SYSTEMS INDIA PVT LTD AS A PART OF INDUSTRY EXPOSURE VISIT ORGANISED BY CONFEDERATION OF INDIAN INDUSTRY (CII).



MEETINGS & DISCUSSIONS

DR P TAMIJE SELVY, PROFESSOR AND HEAD, DEPT. OF CSE, CONVENE A MEETING WITH THE MEMBERS OF FACULTY REGARDING ACADEMIC ACTIVITIES ON 06 OCTOBER 2022.

DR P TAMIJE SELVY, PROFESSOR AND HEAD, DEPT. OF CSE, CONVENE A MEETING WITH THE MEMBERS OF FACULTY REGARDING ACADEMIC ACTIVITIES ON 14 OCTOBER 2022.



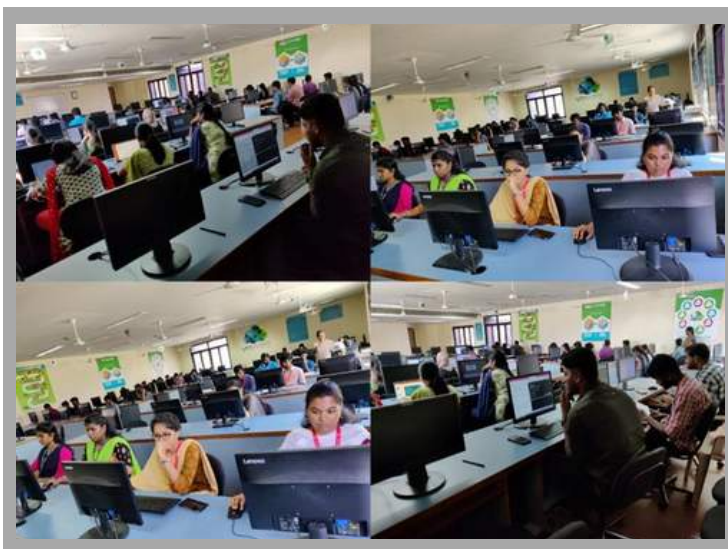


DR P TAMIJE SELVY, PROFESSOR AND HEAD, DEPT. OF CSE, CONVENED A MEETING WITH THE MEMBERS OF FACULTY REGARDING ACADEMIC ACTIVITIES ON 20 OCTOBER 2022.



DR P TAMIJE SELVY, PROFESSOR AND HEAD, DEPT. OF CSE, CONVENED A MEETING WITH THE FIRST YEAR TUTORS REGARDING THE COMMENCEMENT OF FIRST YEAR CLASSES ON 18 OCTOBER 2022.

CLUB ACTIVITES



DEPT. OF CSE CONDUCTED MACHINE LEARNING CLUB ON 15.10.2022. THE STUDENTS WORKED ON "GOOGLE COLAB".



. DEPT. OF CSE CONDUCTED
MULTIMEDIA CLUB ON 15.10.2022.
THE STUDENTS WORKED ON
"FINAL CUT PRO EX "AND THE BEST
EDITED VIDEO IS SELECTED AND
AWARDED.

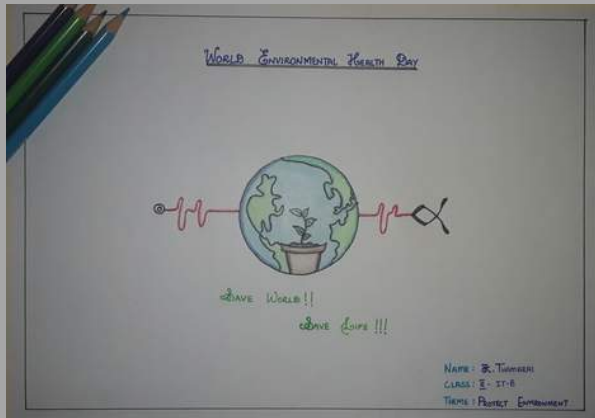


DEPT. OF CSE CONDUCTED DATA
SCIENCE CLUB ON 15.10.2022.
STUDENTS ARE GIVEN
PRESENTATION ON "DATA
ANALYTICS". THE BEST DATA
PRESENTATION WAS
IDENTIFIED AND REWARDED



CIVIL

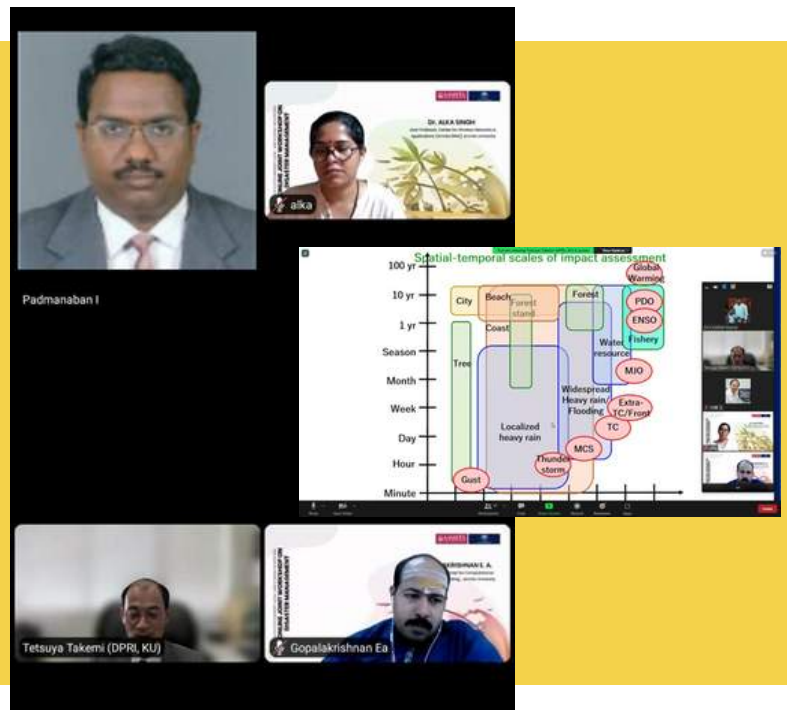
EVENTS ORGANISED



THE DEPT. OF CIVIL CELEBRATED "WORLD ENVIRONMENT HEALTH DAY" AND CONDUCTED VARIOUS ACTIVITIES AS A PART OF CELEBRATION. STUDENTS FROM VARIOUS DEPARTMENT HAVE PARTICIPATED IN THE EVENT ON 26 SEPTEMBER 2022. MR T P A ARAVIND AND MR R RAMESH, ASST. PROFESSORS, DEPT. OF CIVIL, COORDINATED THE EVENT.

WORKSHOP ATTENDED

DR I PADMANABAN PROFESSOR & HEAD, DR V SREEVIDYA PROFESSOR, DR V SATHISH KUMAR . ASST PROFESSOR, DEPT. OF CIVIL, HAVE ATTENDED A WORKSHOP ON "TEACHER: SHAPING MINDS, NURTURING HEARTS, TRANSFORMING LIVES" ORGANISED BY INTERNATIONAL COUNCIL FOR EDUCATION, RESEARCH AND TRAINING(ICRET) ON 05 SEP 2022.



ALUMNI ACHIEVEMENT

Ms RAKSHITA RAGHUNATHAN
ALUMNUS(2013-2017) BATCH HAS
BEEN BESTOWED WITH INDIA'S UNDER
50 WOMEN LEADERS-2022 AWARD AS
"ARTPRENEUR OF THE YEAR" BY
FEMMETIMES.



FACULTY PARTICIPATION & ACIEVMENTS



DR SATHISH KUMAR V, ASST. PROFESSOR, DEPT. OF CIVIL, ATTENDED THE MONTHLY MEETING OF BUILDERS ASSOCIATION OF INDIA, COIMBATORE CHAPTER AT RR GRAND RESIDENCY ON 29 SEPETMBER 2022.

NAAN MUDHALVAN CERTIFICATIONS



ONE DAY OF INTERNATIONAL SEMINAR ON ICERT





DR V SATHISH KUMAR, ASST PROFESSOR DEPT OF CIVIL ENGINEERING HAVE ATTENDED A WEBINAR ON VISION BASED DAMAGE MONITORING OF STRUCTURES USING DEEP LEARNING ORGANISED BY R.V.R & J.C COLLEGE OF ENGINEERING IN ASSOCIATION WITH INDIAN GEOTECHNICAL SOCIETY, GUNTUR CHAPTER.



CERTIFICATE

PROUDLY PRESENTED TO

Dr. SUBASHREE P

Crack Prevention Techniques for RCC Slabs

DR P SUBASHREE, ASSOC. PROFESSOR, DEPT. OF CIVIL, ATTENDED A WEBINAR ON CRACK PREVENTION TECHNIQUES FOR RCC SLABS ORGANISED BY ULTRATECH CEMENTS





EVENT ORGANISED

FACULTY PARTICIPATION & ACIEVMENTS



FDP ON EMERGING SMART TECHNOLOGY Dr K P SURESH, Asst. Professor, Dept. of EEE, Attended Two-days Industry Powered Faculty Development Programme on "EMERGING SMART TECHNOLOGY" HELD AT L& T CAMPUS , DURING 28 -29 SEPTEMBER 2022.



COURSERA CERTIFICATIONS





DR SANTHOSH P, ASST. PROFESSOR, DEPT. OF EEE, RECEIVED CERTIFICATE OF PARTICIPATION IN RECOGNITION AND APPRECIATION OF ACTIVITY TOWARDS THE ACHIEVEMENTS OF IEEE AND ENGINEERING PROFESSION DURING 2021.



DR P SANTHOSH, ASSISTANT PROFESSOR, DEPT. OF EEE, ALONG WITH STUDENT OF FINAL EEE VISITED INDUSTRY " SECAN INDUSTRIES PVT. LTD" , CHINNAKKAMPATTY, DINDIGUL, ON 29 OCTOBER 2022.

MR P LENINPUGALHANTHI,
ASSISTANT PROFESSOR,
DEPARTMENT OF EEE,
ATTENDED A TWO DAYS
NATIONAL LEVEL WORKSHOP
ON " FUTURE PROOF POWER
ELECTRONICS SYSTEM:
APPLICATION IN ENERGY
SYSTEM", ORGANISED BY PSG
COLLEGE OF TECHNOLOGY,
COIMBATORE, DURING 23- 24
SEPTEMBER 2022.



PAPER PUBLICATION

Chapter contents Book contents

Outline

Abstract

Keywords

6.1. Introduction

6.2. Future energy system

6.3. Distributed smart grid monitoring system using ...

6.4. Artificial intelligence techniques for the integratio...

6.5. Artificial intelligence techniques for integration o...

6.6. Economic feature and market deregulation in sm...

6.7. Challenges and issues for implementation of arti...

6.8. Conclusion

References

Show full outline

Figures (5)

Smart Energy and Electric Power Systems
Current Trends and New Intelligent Perspectives
2023, Pages 79-103

Chapter 6 - Impact of artificial intelligence techniques in distributed smart grid monitoring system

R. Senthil Kumar ¹, S. Saravanan ¹, P. Pandiyan ², Ramji Tiwari ³

Show more

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<https://doi.org/10.1016/B978-0-323-91664-6.00005-X> Get rights and content

Abstract

The global power sector is undergoing a disruptive evolution due to the incorporation of numerous distributed elements, communication framework,

DR R SENTHILKUMAR AND DR S SARAVANAN, ASST. PROFESSOR, DEPT. OF EEE,
PUBLISHED A BOOK CHAPTER TITLED " IMPACT OF ARTIFICIAL INTELLIGENCE
TECHNIQUES IN DISTRIBUTED SMART GRID MONITORING SYSTEM" IN IN ELSEVIER
ACADEMIC PRESS.



Review

A Review on Hydrogen-Based Hybrid Microgrid System: Topologies for Hydrogen Energy Storage, Integration, and Energy Management with Solar and Wind Energy

Ahmad Alzahrani ¹, Senthil Kumar Ramu ^{2,*}, Gunapriya Devarajan ³, Indragandhi Vairavasundaram ⁴ and Subramaniaswamy Vairavasundaram ⁵

¹ Department of Electrical Engineering, College of Engineering, Najran University, Najran 11001, Saudi Arabia

² Department of Electrical and Electronics Engineering, Sri Krishna College of Technology (Autonomous), Coimbatore 641042, Tamil Nadu, India

³ Department of Electrical and Electronics Engineering, Sri Eshwar College of Engineering, Coimbatore 641202, Tamil Nadu, India

⁴ School of Electrical Engineering, Vellore Institute of Technology, Vellore 632014, Tamil Nadu, India

⁵ Subramaniaswamy Vairavasundaram, School of Computing, SASTRA Deemed University, Thanjavur 613401, Tamil Nadu, India

* Correspondence: senthilme90@gmail.com



Citation: Alzahrani, A.; Ramu, S.K.; Devarajan, G.; Vairavasundaram, I.; Vairavasundaram, S. A Review on Hydrogen-Based Hybrid Microgrid System: Topologies for Hydrogen Energy Storage, Integration, and Energy Management with Solar and Wind Energy. *Energies* **2022**, *15*, 7979. <https://doi.org/10.3390/en15217979>

Academic Editors:
Mohamed Benbouazid and
Luis Hernández-Callejo

Abstract: Hydrogen is acknowledged as a potential and appealing energy carrier for decarbonizing the sectors that contribute to global warming, such as power generation, industries, and transportation. Many people are interested in employing low-carbon sources of energy to produce hydrogen by using water electrolysis. Additionally, the intermittency of renewable energy supplies, such as wind and solar, makes electricity generation less predictable, potentially leading to power network incompatibilities. Hence, hydrogen generation and storage can offer a solution by enhancing system flexibility. Hydrogen saved as compressed gas could be turned back into energy or utilized as a feedstock for manufacturing, building heating, and automobile fuel. This work identified many hydrogen production strategies, storage methods, and energy management strategies in the hybrid microgrid (HMG). This paper discusses a case study of a HMG system that uses hydrogen as one of the main energy sources together with a solar panel and wind turbine (WT). The bidirectional AC-DC converter (BAC) is designed for HMGs to maintain power and voltage balance between the DC and AC grids. This study offers a control approach based on an analysis of the BAC's main circuit that not only accomplishes the function of bidirectional power conversion, but also facilitates smooth renewable energy integration. While implementing the hydrogen-based HMG, the developed control technique reduces the reactive power in linear and non-linear (NL) loads by 90.3% and 89.4%.

DR SENTHILKUMAR R, ASST. PROFESSOR, DEPT. OF EEE, PUBLISHED A PAPER ON "A REVIEW ON HYDROGEN-BASED HYBRID MICRO GRID SYSTEM: TOPOLOGIES FOR HYDROGEN ENERGY STORAGE, INTEGRATION, AND ENERGY MANAGEMENT WITH SOLAR AND WIND ENERGY" IN ENERGIES JOURNAL, SCI INDEXED WITH IMPACT FACTOR OF 3.252. [HTTPS://WWW.MDPI.COM/1996-1073/15/21/7979](https://www.mdpi.com/1996-1073/15/21/7979)



ENT IN ELE X +

https://www.pnrjournal.com/index.php/home/article/view/2481 60%

BATTERY MANAGEMENT IN ELECTRICAL VEHICLES USING MACHINE LEARNING TECHNIQUES

V Sravan Kumar
A. Yasmine Begum
Md Moniruzzaman
K.V.Daya Sagar
I. Malleswara Rao
Santhosh P.

DOI: <https://doi.org/10.47750/pnr.2022.13.506.434>

Keywords: Electrical Vehicle, Battery Management, Learning Technique -FNN.

ABSTRACT

Electric vehicle (EV) manufacturers are increasing production in order to keep up with the fast growing demand from customers. To meet the ever-increasing demand for electric vehicles (EVs), both well enough and up-and-coming manufacturers of automobiles will need to immediately boost their production of EVs while simultaneously lowering their prices in order to compete. However, the production of electric vehicles comes with its own set of challenges for automotive manufacturers who are looking to survive in the years to come. By generating digital twins of both their products and their

PDF

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More Citation Formats

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SECTION
Articles

INDEXING
Scopus
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EMERGING
SOURCES
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INDEX
THOMSON REUTERS

DR P SANTHOSH, ASSISTANT PROFESSOR, DEPT. OF EEE PUBLISHED A PAPER ON "BATTERY MANAGEMENT IN ELECTRICAL VEHICLE USING MACHINE LEARNING TECHNIQUE" PUBLISHED IN PNR JOURNAL, INDEXED IN ESCI AND SCOPUS.

ONE WEEK STTP CERTIFICATIONS



NSS CERTIFICATION



WORKSHOP ATTENDED



DR R SENTHILKUMAR, ASST. PROFESSOR, DEPT. OF EEE, ATTENDED TWO-DAY NATIONAL WORKSHOP ON "APPLICATION OF MACHINE LEARNING IN ELECTRIC DRIVES" ORGANIZED BY SSN COLLEGE OF ENGINEERING, DURING 07TH - 08TH OCTOBER 2022.

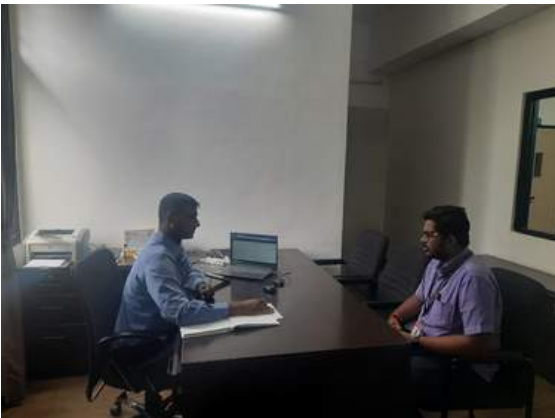
MR P LENINPUGALHANTHI, ASST. PROFESSOR, DEPT. OF EEE, ATTENDED WORKSHOP ON "SCIENCE, ENGINEERING AND TECHNOLOGY WRITING IN TAMIL" ORGANIZED BY ANNA UNIVERSITY REGIONAL CAMPUS, COIMBATORE, ON 23 SEPTEMBER 2022.



MEETINGS & DISCUSSIONS



DR LIJO JACOB VARGHESE, PROFESSOR AND HEAD, DEPT. OF EEE, CONDUCTED A MEETING WITH THE MEMBERS OF FACULTY REGARDING ACADEMIC ACTIVITIES FOR THE STUDENTS OF SECOND AND THIRD B.E., END SEMESTER LABORATORY EXAMINATION, R&D ACTIVITIES, FIRST YEAR ORIENTATION ETC. ON 15 OCTOBER 2022.



DR LIJO JACOB VARGHESE, PROFESSOR AND HEAD, DEPT. OF EEE, INTERACTED WITH ALUMNI M BALAKRISHNAN (2018 - 2022 BATCH), HE SHARED INTERN EXPERIENCE AT COGNIZANT, ON 17 OCTOBER 2022

ICE



FACULTY PARTICIPATION & ACIEVMENTS

MR AJITH.B.SINGH, DR S NARENDIRAN AND DR K SHANTHI, ASST. PROFESSOR, DEPT. OF ICE, HAS ATTENDED A 5 DAYS FACULTY DEVELOPMENT PROGRAMME ON "MACHINE LEARNING WITH PYTHON" ORGANIZED BY E & ICT ACADEMY, IIT KANPUR ON 11 TO 17 OCTOBER 2022.



MR SARAVANAKUMAR K, DR S NARENDIRAN AND DR K SHANTHI, ASST. PROFESSOR, DEPT. OF ICE, HAS ATTENDED A 3 DAYS FACULTY DEVELOPMENT PROGRAMME ON "EMERGING TRENDS IN ELECTRONICS AND COMPUTER ENGINEERING" ORGANIZED BY NSRIT, KAKINADA ON 27 TO 29 OCTOBER 2022.

EVENT ORGANISED

THE DEPT. OF ICE ORGANISED A GUEST LECTURE FOR FIRST YEAR ORIENTATION ON "INDUSTRY INSTITUTE PARTNERSHIP FOR INNOVATION AND ENTREPRENEURSHIP" FACILITATED BY MR N.JAYABAL, DIRECTOR - SALZER GROUP OF COMPANIES, COIMBATORE ON 01 NOVEMBER 2022. MR K SARAVANAKUMAR AND MR J DHANASELVAM, ASST. PROFESSORS, DEPT. OF ICE, COORDINATED THE EVENT.





THE DEPT. OF ICE ORGANISED A EVENT ON "SENSITIZATION OF ENGINEERING-NEED OF THE SOCIETY FOR INNOVATION" ON 01 NOVEMBER 2022.MR.RAMJI SETHURAMALINGAM HOSTED THE EVENT.

ALUMNI ACHIEVEMENT



MR ROHITH VIGNESH N, ALUMNI OF DEPARTMENT OF ICE FROM 2021 BATCH HAS RECEIVED THE "BEST ENGINEER AWARD" FOR HIS EXCELLENT COMMITMENT TOWARDS SERVICING IN MAG INSTRUMENTS ON 22 OCTOBER 2022.



IT



EVENT ORGANISED

THE DEPT. OF IT ORGANIZED A "SOCIAL OUTREACH ACTIVITY" FOR 25 PHYSICALLY CHALLENGED AND ORPHAN CHILDREN AT ASSISI SNEHALAYAA THIRUMALAYAMPALAYAM , COIMBATORE ON 7 OCTOBER 2022.



THE DEPT. OF IT CONDUCTED AN "APTITUDE AND PUZZLE SOLVING" FOR SECOND YEAR IT STUDENTS ON 15 OCTOBER 2022 . DR T RAJESH KUMAR, ASSO PROFESSOR AND MS T AGILAHARSHINI ,ASST. PROFESSORS, DEPT. OF IT, COORDINATED THE EVENT.

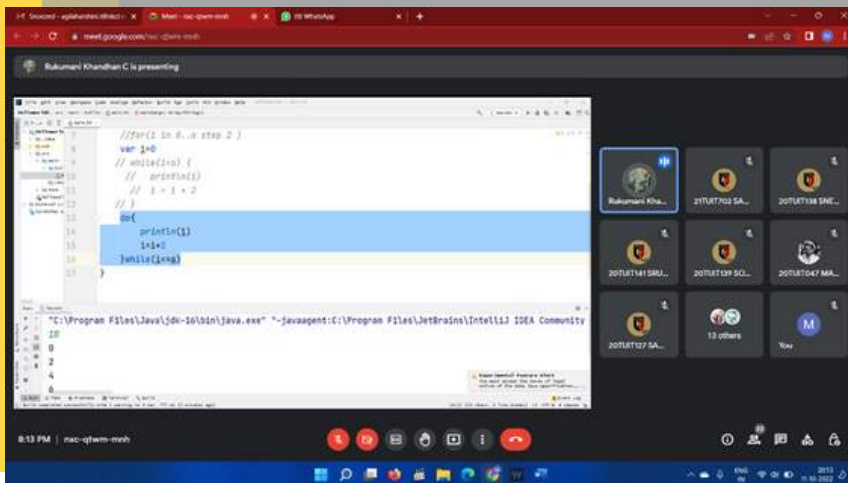
THE DEPT. OF IT CONDUCTED AN "ENTITY RELATIONSHIP MODEL DESIGN AND SCENARIO BASED PROBLEM SOLVING" FOR SECOND YEAR IT STUDENTS ON 15 OCTOBER 2022 . DR A CHRISTY JEBAMALAR, ASSO PROFESSOR AND MS I DEVI ,ASST. PROFESSOR, DEPT. OF IT, COORDINATED THE EVENT.



A COUNSELLING SESSION BY MADAM DR.GOTHANAVALLI WAS ORGANIZED FOR IT A & B STUDENTS ON 13.10.2022



THE DEPT. OF IT CONDUCTED A SESSION ON "FUTURE OF 5G AND IIOT" FOR SECOND YEAR IT STUDENTS ON 15 OCTOBER 2022 . DR R SUGANYA, ASSO PROFESSOR AND MR A SURESHKUMAR ,ASST. PROFESSORS, DEPT. OF IT, COORDINATED THE EVENT.



THE DEPT. OF IT ORGANIZED A WEBINAR ON "KOTLIN PROGRAMMING" FACILITATED BY MR C RUKUMANI KHANDHAN, ASST. PROFESSOR - DEPARTMENT OF CT-PG, KONGU ENGINEERING COLLEGE , ERODE ON 11 OCTOBER 2022. Ms T AGILAHARSHINI, ASST. PROFESSOR, DEPT. OF IT, COORDINATED THE EVENT.



ALUMNI INTERACTION

THE ALUMNI OF 2018-2022 BATCH MR SWANTH, PROJECT ASSOCIATE - STERLITE TECHNOLOGIES , BANGALORE AND Ms SINDUJA , PROJECT ASSOCIATE - STERLITE TECHNOLOGIES, BANGALORE INTERACTED WITH III RD YEAR IT STUDENTS ABOUT "PLACEMENT PREPARATION" ON 1 OCTOBER 2022.



THE ALUMNUS OF 2016-2020 BATCH Ms SVEADHA ADHITHAN, PROJECT LEAD-RFPPIO , COIMBATORE INTERACTED WITH II YEAR IT STUDENTS ABOUT "PLACEMENTS AND PROJECT CONTESTS" ON 19 OCTOBER 2022.

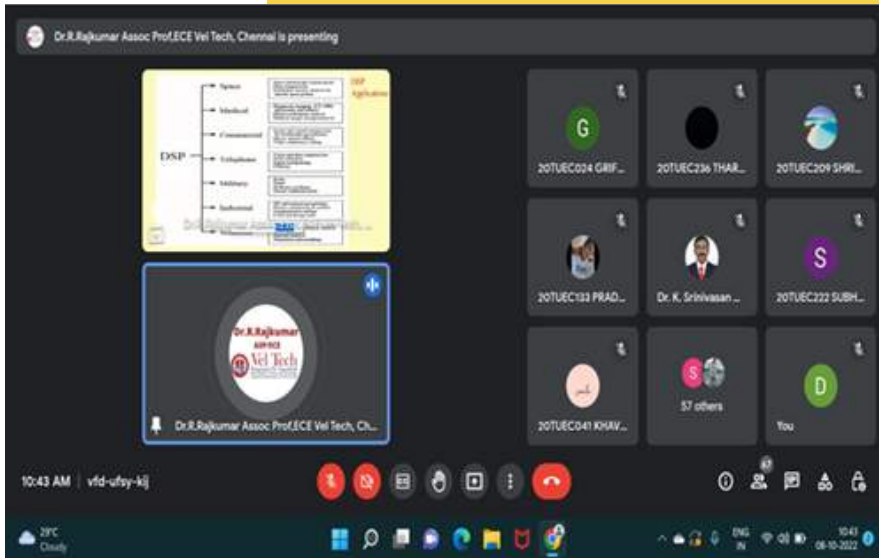
MEETINGS & DISCUSSIONS

DR S SIAMALA DEVI, ASSO. PROFESSOR & Ms S MADUMIDHA, ASST. PROFESSOR, DEPARTMENT OF IT SIGNED A MOU WITH "VGM SOFT TECH" , COIMBATORE ON 14 OCTOBER 2022.





EVENTS ORGANIZED



DEPT. OF ECE ORGANIZED A ONLINE WEBINAR ON “APPLICATIONS OF DIGITAL SIGNAL PROCESSING” WITH DR R RAJKUMAR, ASSOCIATE PROFESSOR, VEL TECH RANGARAJAN DR SAGUNTHALA R&D INSTITUTE OF SCIENCE AND TECHNOLOGY, CHENNAI ON 08 OCTOBER 2022. DR K SRINIVASAN, ASSOCIATE PROFESSOR, DR THILLAI RANI M, ASST. PROFESSOR, AND MS S JAIPRIYA, ASST. PROFESSOR DEPT. OF ECE COORDINATED THE EVENT.

DEPARTMENT MEETINGS



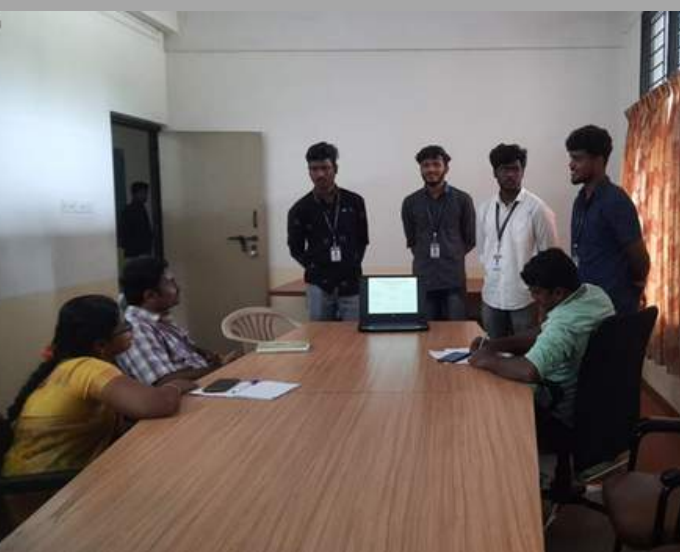
DRSHANTHI G, PROFESSOR AND HEAD, DEPT. OF ECE, CONDUCTED A MEETING WITH THE MEMBERS OF FACULTY REGARDING ACADEMIC ACTIVITIES FOR THE STUDENTS OF THIRD YEAR B.E AND PROJECT REVIEW DETAILS FOR FINAL YEAR B.E., END SEMESTER EXAMINATION, R&D ACTIVITIES, ETC. ON 07 OCTOBER 2022.



PROJECT REVIEW

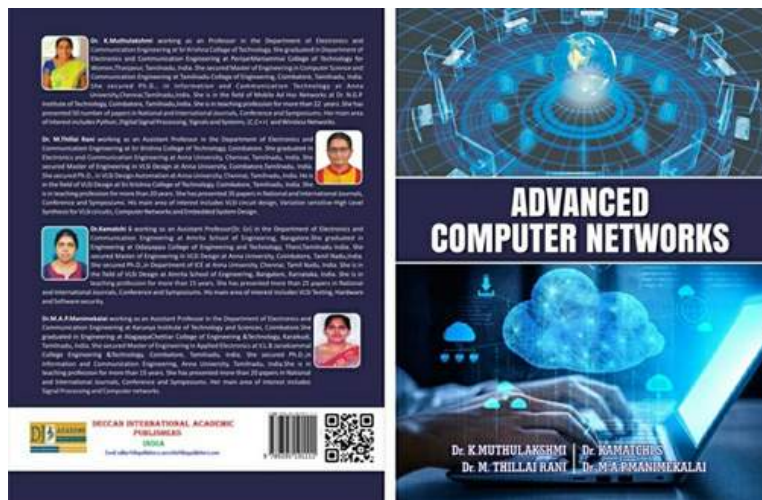


MINI PROJECT REVIEW HAS BEEN CONDUCTED FOR THE STUDENTS OF THIRD YEAR BE ECE ON 20 OCTOBER 2022. REVIEW MEMBERS EVALUATED THE PROJECTS BASED ON THE WORK SPECIFIED IN THE MILESTONES AND THE SUBMISSION OF REPORT . THE PANEL MEMBERS ALSO RECOMMENDED THE VALID PROJECTS FOR PUBLISH PAPERS IN SCOPUS INDEXED CONFERENCES.



PROJECT REVIEW 2 OF PHASE-1 HAS BEEN CONDUCTED FOR THE STUDENTS OF FINAL BE ECE ON 21 OCTOBER 2022. REVIEW MEMBERS INSISTED THE STUDENTS TO WORK ON THE SPECIFIED MILESTONES FOR PUBLISH PAPERS IN SCOPUS INDEXED CONFERENCES/ JOURNALS OR PATENTS. THE PANEL MEMBERS INSTRUCTED THEM TO COMPLETE THE REPORT AND SIMULATION PART OF THE WORK FOR FINAL REVIEW.

BOOK PUBLISHED



DR K MUTHULAKSHMI, PROFESSOR AND DR M THILLAI RANI, ASST. PROFESSOR, DEPT. OF ECE HAS BEEN PUBLISHED A BOOK TITLED "ADVANCED COMPUTER NETWORKS" IN THE DECCAN INTERNATIONAL ACADEMIC PUBLISHERS WITH eBook ISBN No: 978-93-95191-11-1

FACULTY PARTICIPATION & ACHIEVEMENTS

DR K MUTHULAKSHMI, PROFESSOR, DEPT. OF ECE PUBLISHED A PAPER ON "WSN-BASED CRYPTOGRAPHY TECHNIQUES TO AVOID MISUSE OF THE PATIENT REPORTS COMMUNICATION BETWEEN PATIENT AND HOSPITAL" IN SCOPUS INDEXED JOURNAL NEUROQUANTOLOGY DOI: 10.14704/NQ.2022.20.11.NQ66173



DR.MUTHULAKSHMI K, PROFESSOR, DEPT. OF ECE HAS BEEN AWARDED " THANGAPENNE AWARD FOR EXCELLENCE IN EDUCATION" BY DAR JEWELLERY ON 01 OCTOBER 2022.



5. Ms B VIDHYA, ASST. PROFESSOR, DEPT. OF ECE, HAS BEEN CERTIFIED FOR THE CONTRIBUTION AS REVIEWER IN "SCOPUS INDEXED INTERNATIONAL CONFERENCE ON INNOVATIONS IN ROBOTICS, INTELLIGENT AUTOMATION AND CONTROL "ON 14 OCTOBER 2022.



Optic and Quantum Electronics (2022) 54:834
https://doi.org/10.1007/s11082-022-04228-z

Ultra-high negative dispersion compensating circular-shaped PCF with highly birefringent and nonlinear characteristics for optical applications

K. Srinivasan¹ · G. Radhakrishnan² · Noor Mohammadd³ · Ruhul Amin⁴ · Kawwar Ahmed⁵ · Francis M. Bu⁶ · Sobhy M. Ibrahim⁷ · Kasim Abdul Jabbar Alsalem⁸

Received: 2 June 2022 / Accepted: 19 September 2022
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Abstract
This paper presents a novel Cl₂A₂-filled five-ring circular-coated photonic crystal fiber (PCF) architecture with highly birefringent and nonlinear characteristics. The chromosomal simulation analysis are carried out in the COMSOL software v.5.5, employing the finite element method (FEM) with a perfectly matched layer (PML) boundary condition to scrutinize a wide range of optical properties, such as birefringence (B), nonlinear coefficient (NLC), effective mode area (EMA), confinement loss (CL), dispersion, etc. The simulated findings illustrate that for the optimized structural parameters, an ultra-negative dispersion, as well as an ultra-high B_{eff} and NLC of 0.183 and 2.06 × 10¹⁶ W⁻¹ km⁻¹ can be essentially acquired at 1.55 μm wavelength. Further, the developed PCF with ultra-high B_{eff} and NLC property is conveniently fabrication friendly, which is a beneficial factor for probably practical utilization in terms of biosensing applications, as well as supercontinuum generation, polarization maintaining, nonlinear optics and so forth.

Keywords Photonic crystal fiber · Cl₂A₂ core · Birefringence · Nonlinearity · Dispersion

1 Introduction

Recently, photonic crystal fibers (PCFs) have attracted extensive research attention in the fast-growing domain of optics and photonics due to their various spectacular optoelectronic properties. Researchers have been continuously exploring new and innovative approaches to improve the widespread nature and commercialization of photonic phenomena, which extends from conventional lenses to advanced optical cables. Notably, PCFs have unfolded unique practical prospects for the fabrication of highly birefringent and nonlinear fibers, owing to their excellent intrinsic index contrast compared to the existing traditional optical fibers (Hanson et al. 2001). Thanks to their exceptional degree of freedom and design flexibility for selecting the structural parameters, PCFs have inspired

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Extended author information available on the last page of the article.

DR K SRINIVASAN, ASSOCIATE PROFESSOR, DEPT. OF ECE PUBLISHED A PAPER ON "ULTRA HIGH NEGATIVE DISPERSION COMPENSATING CIRCULAR-SHAPED PCF WITH HIGHLY BIREFRINGENT AND NONLINEAR CHARACTERISTICS FOR OPTICAL APPLICATIONS" IN SCI JOURNAL SPRINGER- OPTICAL AND QUANTUM ELECTRONICS. DOI: [HTTPS://DOI.ORG/10.1007/S11082-022-04228-Z](https://doi.org/10.1007/s11082-022-04228-z)

DR K MUTHULAKSHMI, PROFESSOR, DEPT. OF ECE PUBLISHED A PAPER ON "WIRELESS SENSOR-BASED AUTHENTICATION OF BIOMETRICS SYSTEM FOR PATIENT HEALTH CARE RECORDS" IN SCOPUS INDEXED JOURNAL NEUROQUANTOLOGY DOI : 10.14704/NQ.2022.20.11.NQ66099



Abstract

The use of mobile phones in healthcare monitoring and delivery is growing rapidly. For their advanced computing functions, expanded preferences, and varied capabilities, they are sometimes compared to pocket computers. Mobile healthcare (m-health) based applications are made more practical and inventive by their sophisticated sensors and extensive software applications. Both patients and doctors have praised the systems' ease of use, portability, and efficacy in many contexts. In order to improve healthcare delivery, m-health technology makes use of cutting-edge ideas and methods from a variety of disciplines, including electrical engineering, computer science, biomedical engineering, and medicine. In this work, we focus on two crucial facets of modern healthcare sensor applications based on mobile phones: In telemedicine, the innovative and revolutionary, which has significantly limited and distributed communication components. As a visually appealing component of the telemedicine architecture, mHealth is crucial to protecting the privacy and safety of patients by including a variety of sensing technologies in the form of several in-built sensors. To protect patients' privacy when utilising mHealth, this research will focus on enhancing sensor-based defence and attack mechanisms. This study's objective was to develop a taxonomy, and it did so using a multi-level approach. Biometric identification technology plays an important part in protecting patients' personal information and medical records within the healthcare system. The primary objective of this research was to create a Hospital Management System (HMS) that uses fingerprint biometrics for user authentication. Using the Unified Modeling Language (UML) for design and Visual Basic.Net for development, Gellios HMS's primary features were created. The client programme connects to an Access database that stores patient information. To keep everything safe and secure, a combination of pin and biometrics was employed for authentication. Finally, the proposed RSS-based Integrated Secure Authentication (ISA) algorithm is





DR K MUTHULAKSHMI, PROFESSOR AND DR M THILLAI RANI, ASST. PROFESSOR, DEPT. OF ECE, ATTENDED A NATIONAL LEVEL FDP ON "MACHINE LEARNING AND DEEP LEARNING" ORGANIZED BY SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, CHENNAI DURING 11 OCTOBER TO 15 OCTOBER 2022.



MR G SANTHAKUMAR, ASST PROFESSOR, DEPAT OF ECE HAS PARTICIPATED IN THE SIX DAYS VIRTUAL WORKSHOP ON "RESEARCH OPPORTUNITIES IN SEMICONDUCTOR MATERIALS AND DEVICES (ROSMD-2022)" DURING OCTOBER 19-24, 2022 ORGANIZED BY THE DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING, SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, KATTANKULATHUR CAMPUS IN ASSOCIATION WITH THE INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, DESIGN AND MANUFACTURING, KANCHEEPURAM.





MS.B.VIDHYA, ASSISTANT PROFESSOR AND MS.N.KIRTHIKA, ASSISTANT PROFESSOR, DEPT. OF ECE, ATTENDED AN INTERNATIONAL WEBINAR ON "AGILE FRAMEWORK IN CONJUNCTION WITH DATA WAREHOUSING AND MACHINE LEARNING (AFDWML-2K22)" ORGANIZED BY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, HI-TECH INSTITUTE OF TECHNOLOGY, BHUBANESWAR, INDIA



SANTHAKUMAR G HAS PARTICIPATED IN A ONE-WEEK INTERNATIONAL WORKSHOP ON "RECENT TRENDS IN OPTIMIZATION TECHNIQUES FOR CHALLENGING ENGINEERING APPLICATIONS" ORGANIZED BY THE SCHOOL OF ELECTRONICS ENGINEERING AT VIT-AP UNIVERSITY, AMARAVATI FROM OCTOBER 21ST, 2022 TO OCTOBER 27TH, 2022.



EVENTS ORGANISED



THE DEPARTMENT OF MECHANICAL ENGINEERING ORGANISED A SEMINAR ON INNOVATIONS IN HYBRID TECHNOLOGY FOR III YEAR STUDENTS

MEETINGS & DISCUSSION



RESEARCH CENTRE RENEWAL
DEPARTMENT OF MECHANICAL ENGINEERING SUCCESSFULLY COMPLETED THE RESEARCH CENTRE RENEWAL ON 28.10.2022.



ALUMNI INTERACTION

6. SRINIVASA ANNAMALAI, ENGINEER, TURBO ENERGY, CHENNAI (2017 - 21 BATCH) INTERACTED WITH II YEAR AND IV YEAR STUDENTS ABOUT CARRIER DEVELOPMENT ON 10.10.2022



INDUSTRY CONNECT

MR.C.RUBANKUMAR, FINAL YEAR STUDENT FROM DEPARTMENT OF MECHANICAL ENGINEERING ATTENDED ONE DAY INDUSTRIAL TRAINING PROGRAM FROM GLOBAL AXIS AUTOMATION, COIMBATORE





DR P.SAKTHIVEL, DR N.MOHANRAJ, DR P.HARIHARASAKTHI SUTHAN, MR M.RAJESWARAN AND MR T.NITHYANANDHAN 5 FACULTIES MEMBERS FROM THE DEPARTMENT OF MECHANICAL ENGINEERING VISITED THE SHANTHI GEARS INDUSTRY UNIT C AT SULUR, COIMBATORE.

FACULTY PARTICIPATION & ACHIEVEMENTS

FACULTY RECEIVED YOUNG SCIENTIST FELLOWSHIP (YSFS) FROM TNSCST
DR. SANTHOSH S, ASSOCIATE PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING HAVE RECEIVED YOUNG SCIENTIST FELLOWSHIP (YSFS) FROM TNSCST FOR 2 MONTHS. HE WILL BE GOING TO INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, DESIGN AND MANUFACTURING - KURNOOL, AP FOR 2 MONTHS TO EQUIP WITH IOT TECHNOLOGIES.

தமிழ்நாடு அறிவியல் தொழில்நுட்ப மன்றம்
TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
(Established by Government of Tamilnadu)
Directorate of Technical Education Campus, Chennai - 600 025
Phone : 044 - 2230 1428 / Web : www.tanscst.nic.in
Telefax : 044 - 2230 1552 / E-mail : ms.tanscst@nic.in/enquiry.tanscst@nic.in

DR. R. SRINIVASAN, M.Sc., Ph.D., F.I.C.S., M.A.C.E. (IIMA)
Member Secretary
Ref TNSCST/YSFS/VR/14/2021-2022 27.10.2022

To
Dr.Santhosh S
Associate Professor
Dept. of Mechanical Engg
Sri Krishna College of Technology
Coimbatore - 641 022
7810010886 / santhosh.s@skct.edu.in

Sir / Madam,
Sub: TNSCST – Young Scientist Fellowship (YSFS) – Selection Intimated – Reg
Ref: Chairman Approval dated 21.10.2022

With reference to your application cited above, I am happy to inform you that you have been selected for the award of Young Scientist Fellowship for the year 2021-2022 for a period of 2 months subject to the following conditions:

- A total sum of **Rs.23550/-** will be provided towards fellowship for **2 months (Rs.20000/-)**, and II A/C travel fare (to and fro) from parent organization to the host institute. If you travel in lower class, the grant is to be reduced correspondingly to the actual train fare.
- Fellowship will not be paid if you avail any leave other than the casual leave during the training period.
- Date of relief and date of joining at the parent institution should be intimated to the Council.
- After completion of the programme, two copies of the YSFS Report along with the Certificate from the host Institution and 2 copies of the utilization certificate in the prescribed format should be submitted.
- You must send your **acceptance letter** as per the above conditions **before 15.11.2022** with appropriately **rescheduled training / collaborative research**.
- The YSFS program should be completed before the end of **July, 2023**.

Yours faithfully,
(Signature)
Member Secretary,
S.F

Copy to:
The Principal
Sri Krishna College of Technology
Coimbatore - 641 022



IOP Conference Series: Materials Science and Engineering

PAPER • OPEN ACCESS

Experimental study and analysis on single slope single basin solar still with zeolite crystals as storage materials

To cite this article: K. Senthil Kumar *et al* 2022 *IOP Conf. Ser.: Mater. Sci. Eng.* **1258** 012030

View the [article online](#) for updates and enhancements.

You may also like

- [Experimental investigation of single slope solar still using different wick materials: a comparative study](#)
Mohit Bhargva and Avadhesh Yadav
- [Experimental Investigation of a Single Slope Solar Still Performance- Evaporation Process Enhancement Using Evacuated Pipes](#)
Zahraa Abdulkareem Jaafar and Hassanain Ghani Hameed
- [Experimental investigations of single-slope solar still integrated with a hollow rotating cylinder](#)
Naseer T Alwan, S E Shcheklein and Obed M Ali

PAPER PUBLISHED IN IOP CONFERENCE SERIES: MATERIALS SCIENCE AND ENGINEERING
MR.K.SENTHIL KUMAR, MANIRATHNAM A S, ASSISTANT PROFESSOR, AND WITH STUDENTS
FROM DEPARTMENT OF MECHANICAL ENGINEERING PUBLISHED A PAPER IN IOP CONFERENCE
SERIES: MATERIALS SCIENCE AND ENGINEERING



EVENTS ORGANISED

Ms P THENNARASI, ASST PROFESSOR AND MEMBERS OF FACULTY SCHOOL OF MANAGEMENT ORGANISED EXTENSION ACTIVITY BY GIVING FREE SAPLINGS TO THE RESIDENCE OF KOVAIPUDUR ON 15 OCTOBER 2022



Ms P THENNARASI, ASST PROFESSOR AND MEMBERS OF FACULTY SCHOOL OF MANAGEMENT ORGANISED DEBATE AND POSTER MAKING TO SECOND YEAR MBA STUDENTS ON 15 OCTOBER 2022

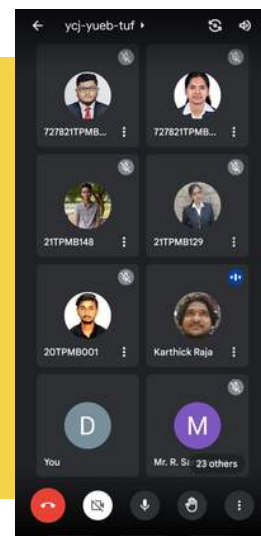


STUDENTS OF SECOND MBA, Ms P THENNARASI, ASST PROFESSOR AND MEMBERS OF FACULTY SCHOOL OF MANAGEMENT DISTRIBUTED DR A P J ABDUL KALAM'S TEN OATHS TO ALL DEPARTMENT ON 15 OCTOBER 2022



ALUMNI INTERACTION

MR AKASH PRABHU (BATCH 2019-21 ALUMNUS) TAX ANALYST ,GRANT THORNTON, BANGALORE AND MR KARTHICKEYAN ASSISTANT MANAGER, GRANT THORNTON BANGLORE INTERACTED WITH STUDENTS OF SECOND MBA ON 17 OCTOBER 2022



MR MOHAMMED ARHAM (ALUMNUS 2020-2022 BATCH) B2B OPERATION HEAD AT NERDY NERDS INTERACTED WITH SECOND YEAR MBA STUDENTS ON 27 OCTOBER 2022

FACULTY PARTICIPATION & ACIEVMENTS





INDUSTRIAL VISIT



MS MONISHA K ASST.PROFESSOR SCHOOL OF MANAGEMENT AND STUDENT COORDINATOR OF SECOND YEAR MBA STUDENTS ORGANISED ACTIVITY BASED LEARNING EVENT TO SECOND YEAR STUDENTS OF MBA ON 02.11.2022



MS P THENNARASI AND MR A KARTHIKEYAN ASST PROFESSOR SCHOOL OF MANAGEMENT ALONG WITH STUDENTS OF SECOND YEAR MBA VISITED "PROMINANCE" INDUSTRY AND LEARNT ABOUT ITS PRODUCTION PROCESS AND EXECUTION ON 19 OCTOBER 2022



FACULTY PARTICIPATION & ACIEVMENTS

MR.V.MARIANANDHAKUMAR ASSISTANT PROFESSOR S&H AND MR.P.LENIN PUGALHENDI ASSISTANT PROFESSOR EEE ORGANISED NSS *PLASTIC CLEANING DRIVE* AT ARIVOZHI NAGAR COLLABORATION WITH MR. T. BALAKRISHNAN, A LOCAL COUNSELLOR AND VOLUNTEERS STEPPED UP TO COLLECT THE PLASTIC WASTE.



DR KOGILAVANI B , ASST. PROFESSOR, DEPT. OF S&H, ATTENDED THREE DAYS ONLINE FDP ON "SOFT SKILLS" ORGANIZED BY CAMBRIDGE UNIVERSITY , ON 3 OCTOBER TO 6 OCTOBER 2022.





DR KOGILAVANI B , ASST. PROFESSOR, DEPT. OF S&H, ATTENDED ONLINE WORKSHOP ON "DIASPORIC DREAMING AND THE POST-COLONIAL IMAGINATION: A CREATIVE WRITING JOURNEY" ORGANIZED BY ST.MARYS COLLEGE, THOOTHUKUDI , ON 7 OCTOBER 2022.

FACULTY DEVELOPMENT PROGRAM AT VEL TECH





FACULTY DEVELOPMENT PROGRAM AT SKECT



WEBINAR BY ELT@I



DR N VENUGOPAL ASSOICATE
PROFESSOR, DEPT. OF S&H, ATTENDED
TWO DAYS FAULTY PROGRAMME ON
"COMMUNICATIVE ENGLISH"
ORGANIZED BY NAAN MUDULVAN ON
30 SEPTEMBER & 01 OCTOBER 2022..

PAPER PUBLICATIONS

DR R GANESH & DR V MANIKANDAN , ASST.
PROFESSOR, DEPT. OF S&H, PUBLISHED BOOK
CHAPTER ON "EMERGING TRENDS IN APPLIED
SCIENCE AND LANGUAGE RESEARCH" WITH ISBN:
978-935636-625-1, ENTITLED "CHALCOGENIDE THIN
FILMS: IMPACT OF AQUA AMMONIA AND LYE"

Emerging Trends in Applied Science and Language Research

A Review on potential application of Banana waste
V Geethalakshmi¹, B Preethi² and N Nalini²

¹Associate Professor, Rathnam Technical campus, (Affiliated to Anna University),
Eggenkottai, Coimbatore- 641021, Tamilnadu (India).

²Assistant Professor, Sri Krishna College of Technology, Autonoms, (Affiliated to Anna
University), Kovvurpallur, Coimbatore-641042, Tamilnadu (India).

ABSTRACT

Agricultural waste has gained more attention in recent years, and instead of ignoring the waste, it is now desirable to research and get profit from it. Utilizing the garbage is essential for overcoming these pollutions and making it possible to use the waste. Researchers have been interested in banana peels and banana blossom peels because of their bioactive chemical components, so we concentrated on this review article on the biomass of banana peels that can be used for pharmaceutical purposes in treating various diseases and as good sources of natural antioxidants, antimicrobial, antidiabetic, anti-inflammatory, and antibiotic, antifungal, antimicrobial, used in food industry, corrosion control, storage device, and nanocomposites. As a result, banana residues might open up fresh possibilities and fields of study in the future.

Keywords: Banana peels, Bio waste, Nanocomposites, Anti-cancer.

INTRODUCTION

In cultivated plants, one of the traditional herbaceous plants is widely consumed fruit in the world, and one of the best fruit crops is the banana. The genus as the flesh part of a banana and the outer skin of banana are both useful for domestic and industrial purposes. In the region Geleco Zone of Southern Ethiopia [1], the production of bananas is familiar. Banana fruit peels constitute about 30% of the fruit which contains high fiber content, vitamins, and fiber content. A resistant starch and non-starch polysaccharides helps in lowering cholesterol levels, to relieve constipation, and preventing colon cancer. Its high potassium content is found to be useful in the prevention of raising blood pressure and muscle cramp [2]. Once the fruit has been eaten the peel is discarded. But banana peels are as useful as bananas. The banana peel is richer in physicochemical components than its pulp. In industrial applications, a banana peel has been utilized in bio-fuel production, bio-sorbents, pulp and paper, cosmetics, energy related activities, organic fertilizer, environmental cleanup, and biotechnology.

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Research Article

Mathematical Modelling of $M^X/G(a, b)/1$ Bulk Service Queue Model with Two Vacations and Setup Time in Ceramic Technology

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Emerging Trends in Applied Science and Language Research

CHALCOGENIDE THIN FILMS: IMPACT OF AQUA AMMONIA AND LYE

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Abstract

On well cleaned glass substrates under the right circumstances, chalcogenide thin films wereformed using the chemical bath deposition (CBD) method with aqua ammonia/lye serving as a complexing agent. Most deposition processes are done with the help of ammonium sulfate. Here, we provide the results of a thorough search into the well-ordered deposition of CdS thin films on glass substrates utilizing a elementary aqueous solution containing cadmium sulphate, thiourea, a source of Cd²⁺ ions and S²⁻ ions respectively. The fabricated films crystal orientation and physical properties were examined. Based on the results of this study, lye (Sodium hydroxide) demonstrates high optical transmittance (50 to 100%) and reflectance values (300 to 900 nm), which makes them extremely effective as windows in solar cells. It also increases the orientation of the crystals. The optimized CdS films' optical bandgap ranged from 2.32 eV to 1.81 eV.

Keywords: Structural properties, Optical properties, CdS thin films, Ammonia free, CBD, etc.

INTRODUCTION

Chalcogenide film is indispensable in the design of solar cells, optoelectronics, magnetic devices, and photonic controllers because it is inexpensive and simple to prepare samples. Among various semiconductors, cadmium sulfide (CdS) has considerable interest because of its efficient usage in photovoltaic device fabrications. As several CdS-based devices have emerged in recent years, including sensors [1,2], an intrinsic n-type CdS semiconductor (II-VI compound) has a high stability, crystallinity structure, low absorption loss and wide bandgap of 2.42 eV (bulk value) that enables CdS films to be a technologically useful material [3].

There have been numerous documented methods for depositing CdS thin films. These include successive ionic layer adsorption and reaction (SILAR) technique, molecular beam epitaxy (MBE), spray pyrolysis, sputtering, and evaporation [4–7]. For the purpose of creating films with a regulated composition, the chemical bath deposition

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