



UGC AUTONOMOUS

# St. Martin's Engineering College

UGC Autonomous  
NBA & NAAC A+ Accredited  
Dhulapally Secunderabad - 500 100  
[www.smeac.in](http://www.smeac.in)



## Department of Electrical and Electronics Engineering



2023

NEWSLETTER

VOL.2 ISSUE - 02

# Contents

<b>1) About</b>	
• College	1
• Department	2
<b>2) Messages</b>	
• Editor in Chief	4
• Principal Message	5
• HOD Message	6
• Faculty Message	7
• Alumni Message	7
<b>3) Faculty Corner</b>	
• Achievements	8
• Text books	12
• Publications	15
• Certifications	17
<b>4) Students Corner</b>	
• Achievements	21
• Toppers	22
• Internship	25
• Placements	26
• Placements Day	30
<b>5) Activities Corner</b>	
• Events	31
• Students Art	43
<b>6) Newsletter Editorial Board</b>	45



## About College

St. Martin's Engineering College (SMEC) is established in the year 2002 by St. Martin's Children's Education Society. SMEC offers UG and PG courses such as B.Tech in CSE, Artificial Intelligence and Data Science, CSE-AI & ML, Computer Science and Design, Artificial Intelligence and Machine Learning, IT, ECE, EEE, MECHANICAL, CIVIL of 1080 (UG) students per year.

SMEC is awarded with prestigious grade A+ from NAAC, UGC Paramarsh, NBA accredited, ISO certified, DSIR Recognition, Remote center of IIT Bombay, Member of CII and MSME certification. It is Certified as AAA+ by Careers 360; Ranked 2<sup>nd</sup> by Wikipedia Telangana, ranked 3<sup>rd</sup> by Competition Success Review; Ranked under top 100 by NIRF Innovation, Ranked as Best Engineering Colleges of India by Career Connect. The best part to announce that 93 books, 6228+ research papers and 187+ patents are published by staff and students. Institution has signed more than 88+ MoUs with worldwide major companies' and institutions. The college is the recipient of glorious Governor Award thrice; The Engineering Educators' Award 2019; NIRDPR Award from Govt. of India; IDF Best Partner Award; Dewang Mehta Award; TCS ION Award; CSI Award from Students Chapter; Best Innovation by Federation of Gujarat Industries and Street Cause-Most Dedicated Division. It is being declared as Best Sports College by Stumagz, Telangana, National Leadership Excellence Award 2019 by ICCI. The crowning glory in academic excellence was achieved by bagging gold medals from university every year. Adding, 138 innovative products are developed by students and faculty. SMEC has received Rs.29 Lakhs from National Institute of Electronics and Information Techchonology, Chennai(Govt. of INDIA). SMEC has given approval for running the Honors and Minors degree program by the affiliating university, JNTUH. SMEC has got the approval for research center in CSE department by the affiliating university, JNTUH.

The remarkable achievement by the faculty members of the college is that they have published 148+ books, 8800+ research papers, 161+ patents, 28+ copyrights and 40, 000+ international certification courses. SMEC has a strong vision of offering world class training to the promising Engineers and Management professionals. SMEC is situated in an eco-friendly environment, the college has the best infrastructure. This is the only college in Telangana which got approved for the NCC boys and girls' wing.



## About Department

The Department of Electrical and Electronics Engineering (EEE) started in the year 2002 with an intake of 60. The Department is endeavouring to produce highly trained and capable engineers, who can accept the challenges of the real world. The Department focuses on uncompromising academic standards in imparting both theoretical and practical instructions with a view to prepare professional engineers. The B. Tech (Electrical and Electronics Engineering) Program has been accredited by the National Board of Accreditation (NBA) since 2008.

The faculty strives to foster and encourage a teaching methodology that is both practical and theoretical in approach tuning to the requirements of the latest developments in research and industry in the field of Electrical and Electronics Engineering. The Department has its own Technical Association, BETA to enhance the professional competence of students. The association organizes activities like lectures by distinguished industrialists, academicians, and practitioners of the profession, competitions for the students throughout the year. The association also conducts Seminars, Guest Lectures, and Workshops. Through this, the students will learn how to participate in these activities and get awareness of technical presentation and participation in group discussions.

Industrial visits are regularly organized to enhance the practical knowledge of the students and keep them abreast with the latest technological applications in various industries so that their employability skills are enhanced. Over the last 6 months 60+ Internships done by the B. Tech Students Successfully.



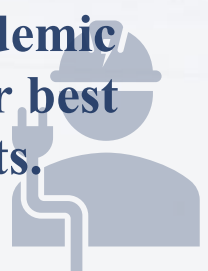
## VISION

**Develop Electrical and Electronics Engineering department as a center of excellence by imparting quality education to the students, to enable them globally competitive.**



## MISSION

**Create an environment where students excel in skill and knowledge development, to convert them as successful entrepreneurs with managerial ability, to train them to have all round personality development to work efficiently in any team, and to provide a platform for interaction between academic scholars and industry for best research achievements.**



**EDITOR IN CHIEF**

Dr. M. Sreenivasa Rao

**Dr. P. Santosh Kumar Patra**  
Group Director

Dear all,

Greetings from St. Martin's Engineering College.

It gives me an immense pleasure to share with you the highlights of Electrical and Electronics Engineering (EEE) Department. The Department of EEE has done a fabulous job of creating this informative and valuable newsletter EN 'LIGHT' Edition 4. This edition of the Newsletter reports the significant activities carried out by faculty, students and Alumni in the areas of teaching and Learning, Research and Development and Industry Interaction, Sports and Cultural activities. The department has organised around 5 technical events, 2 Non- Technical Events and 2 Industrial Visits to enhance the knowledge of the students. The faculty and the students have contributed their research work in various areas of Electrical and Electronics, 6 books and 8 NPTEL courses in the last 6 months. I hope this effort will definitely enrich our environment with academic diligence.

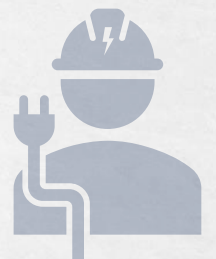
I wish all the best for the academic, research and developmental activities in the department to achieve greater heights. I appreciate the efforts put in by editorial board of Electrical and Electronics Engineering to bring out the Third edition of newsletter EN 'LIGHT'. My best wishes to the department for the future endeavours.

## PRINCIPAL MESSAGE



**Dr. M. Sreenivasa Rao**  
**Principal**

As we embark on a new year filled with promise and potential, I extend a warm welcome to each of you by our Newsletter – EN 'LIGHT'. The Department of Electrical and Electronics Engineering journey towards excellence in education continues. I am thrilled to witness the dedication and enthusiasm that our students, staff, and parents bring to our learning community. As we navigate the challenges and celebrate the triumphs ahead, let us remain steadfast in our commitment to fostering a nurturing and innovative environment where every individual can thrive. Let's embrace the opportunities for growth, collaboration, and success this year holds. Thank you for your unwavering support, and I look forward to another year of inspiring achievements.



**HOD MESSAGE**

**Dr. N. Ramchandra**  
**HOD, EEE**

Warm Greetings!!

I am very much pleased to initiate our department's official newsletter EN 'LIGHT' Edition 4. The newsletter invites a wider readership in the institution. The name and fame of the department and the institution depends on the caliber and achievements of the students and faculty members. The essential purpose of a Department Newsletter EN 'LIGHT' is to inform, engage, inspire and entertain a diverse readership-including Alumni, parents, students, faculty of the department and college. We continued to excel in teaching, research, cultural and service activities. I wish to record my hearty congratulations to those who have brought laurels to the Department, appreciate all of you for working together as a team. Let this newsletter be a forum to exhibit the potential of students and faculty members with their literary skills and innovative ideas.





## FACULTY MESSAGE

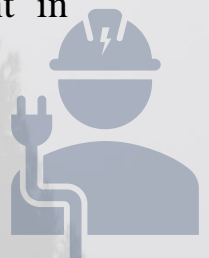
I am very happy to know that our EEE Department is bringing out its fourth newsletter which highlights the academic activities, achievements and progress of faculty and students. I have immense pleasure in this newsletter and wish the team grand success.



## ALUMNI MESSAGE

Hello Everyone,

I am Abinav Krishnan, Software Engineer Trainee in Macurex Sensetec Pvt. Ltd. I pursued my B.Tech. in the Department of Electrical and Electronics Engineering, St. Martin's Engineering College from 2019-2023. I am very happy to be a part of this fourth edition newsletter EN'LIGHT'. As a student of Electrical and Electronics Engineering Department, I have participated in many technical events like Sympoagnya, Technovation etc., As an alumni, I am proud to see the department's success in all the areas. It's a great privilege to share my experience with SMEC. I am always ready to contribute to my department in all aspects. I wish more progress to the department in future.



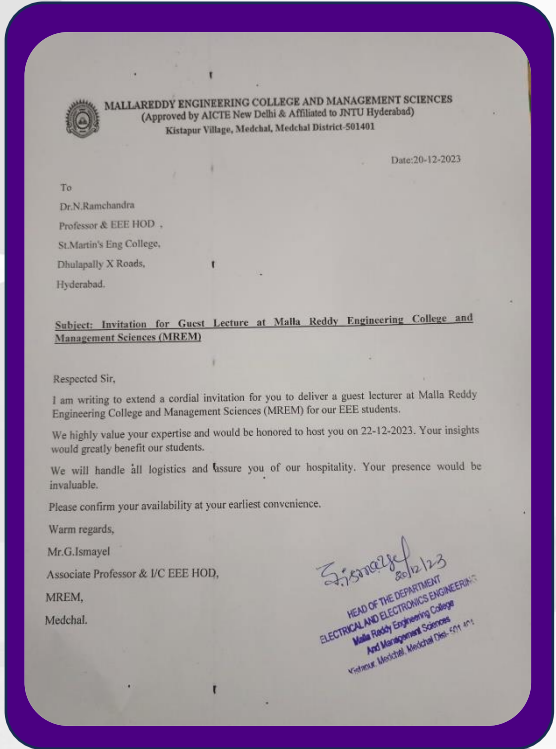
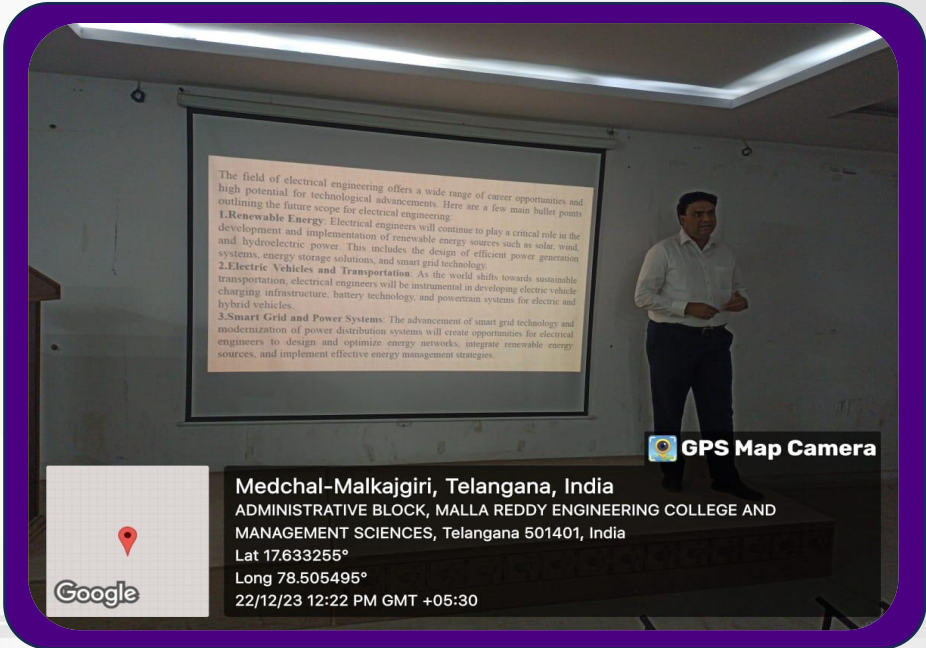
# FACULTY CORNER

## FACULTY ACHIVEMENTS



Dr. N. Ramchandra, Professor and Head of Department, EEE has been invited for Guest Lecture at Malla Reddy Engineering college and Management Sciences

Dr. N. Ramchandra, Professor & HOD, EEE





Mr. K. V. Govardhan Rao, Asst. Prof, EEE has participated in the following events and receive certificates.

1. International Journal of Power Electronics and Drive Systems as Reviewer
2. 1<sup>st</sup> EAI International Conference on Emerging Technologies in Engineering and Management Science – 2023
3. IEEE SEFET - 2023

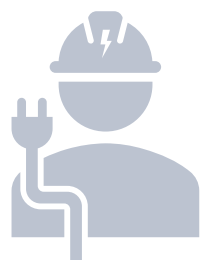




Ms. P. Priyanka has received a certificate ChatGPT Beginner course



Mrs. S. Sunanda Kumari has received a prize in Badminton Singles on Sports Day

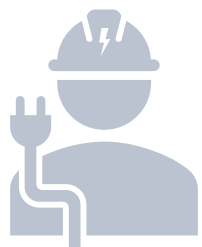




Mrs. V. Kiranmayee has received a prize in Badminton Doubles on Sports

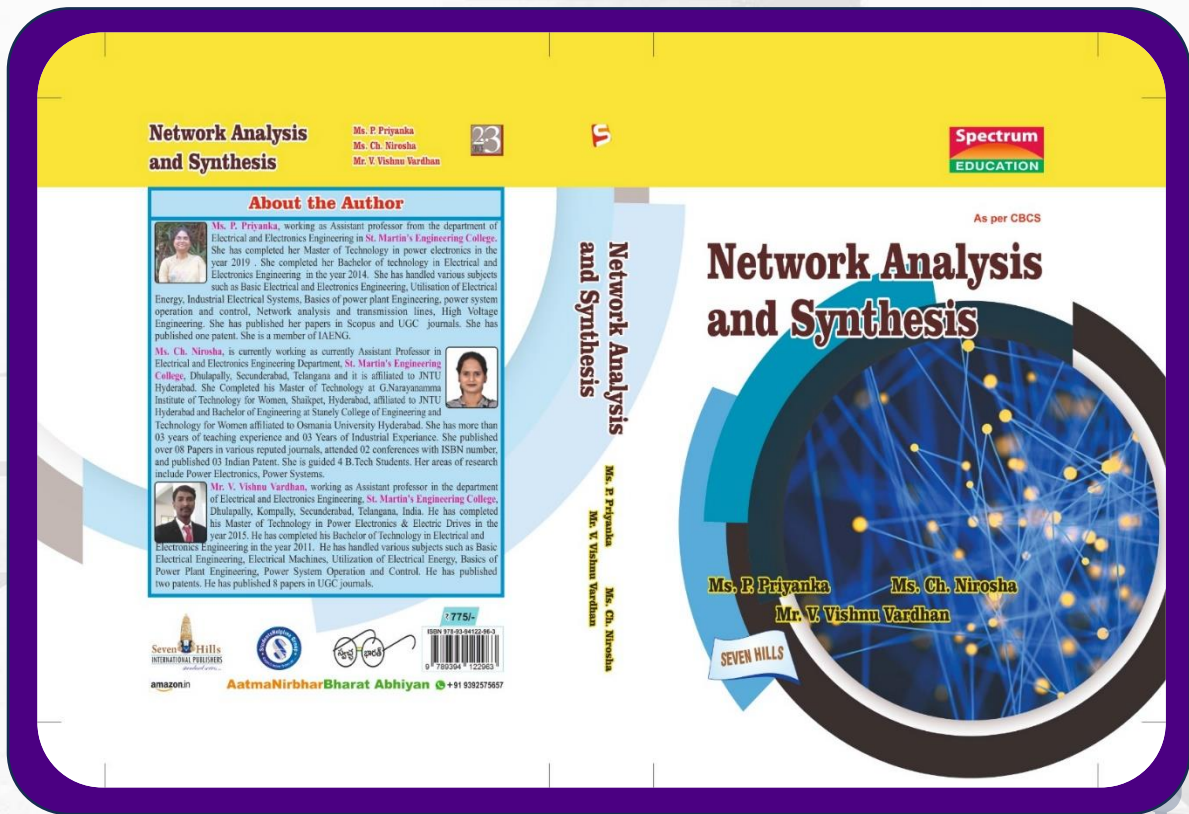
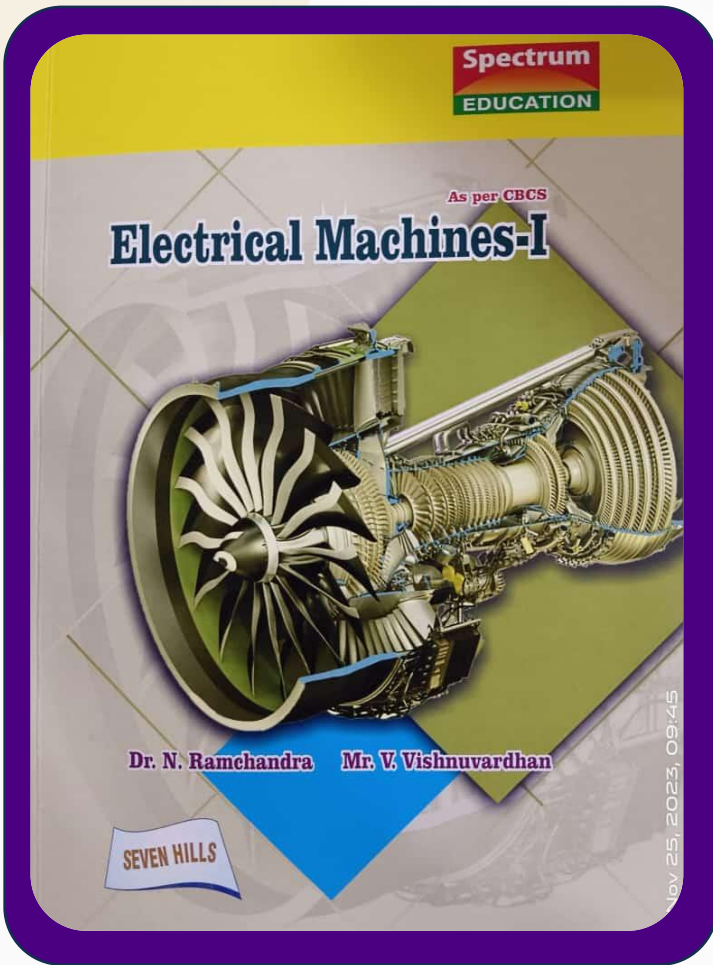


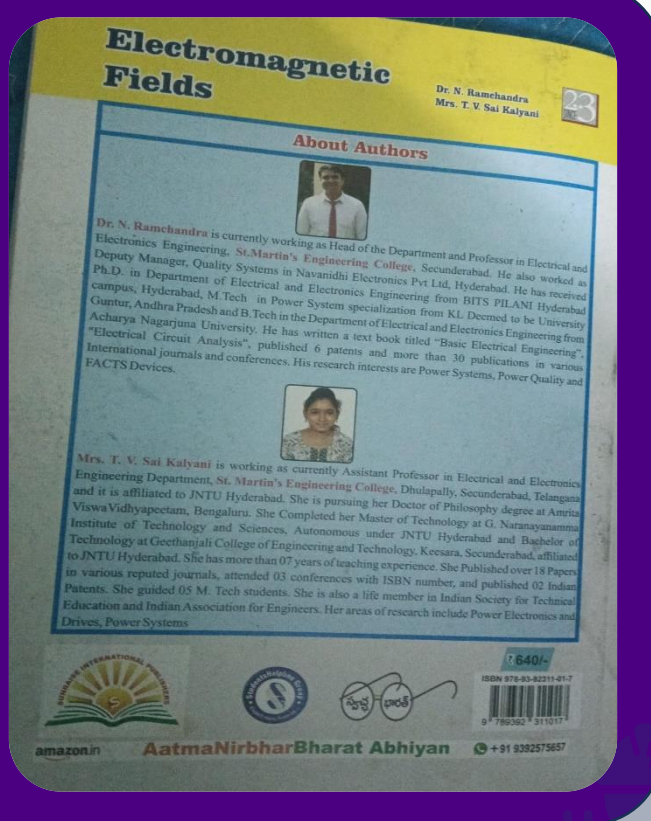
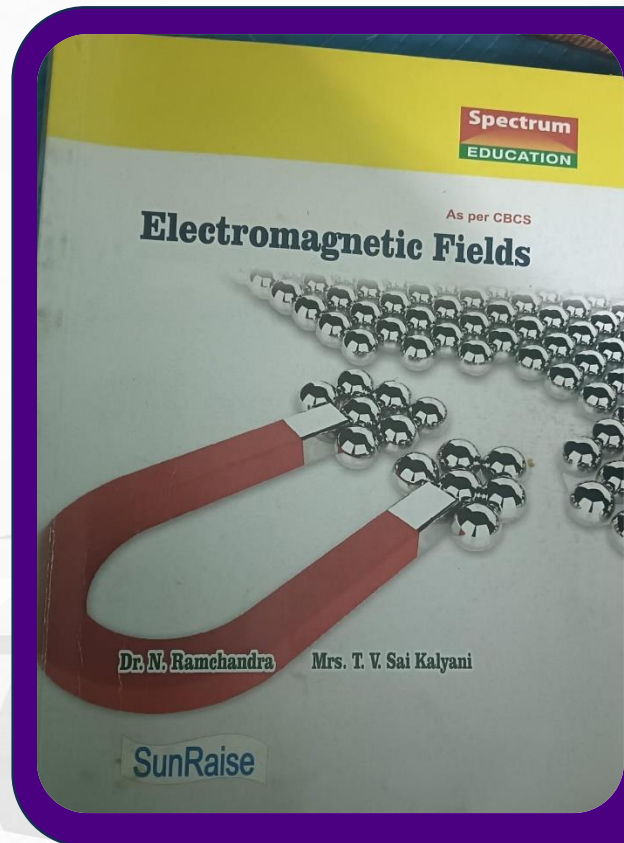
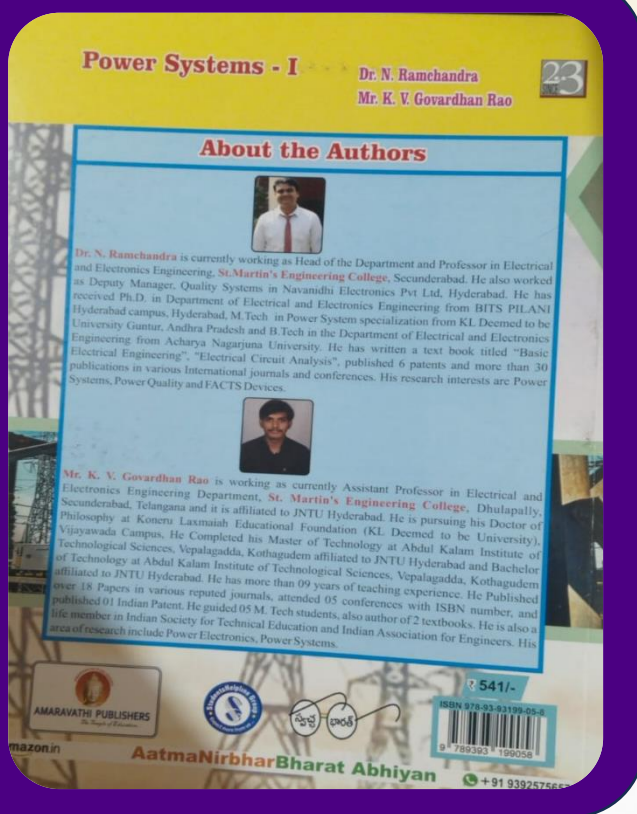
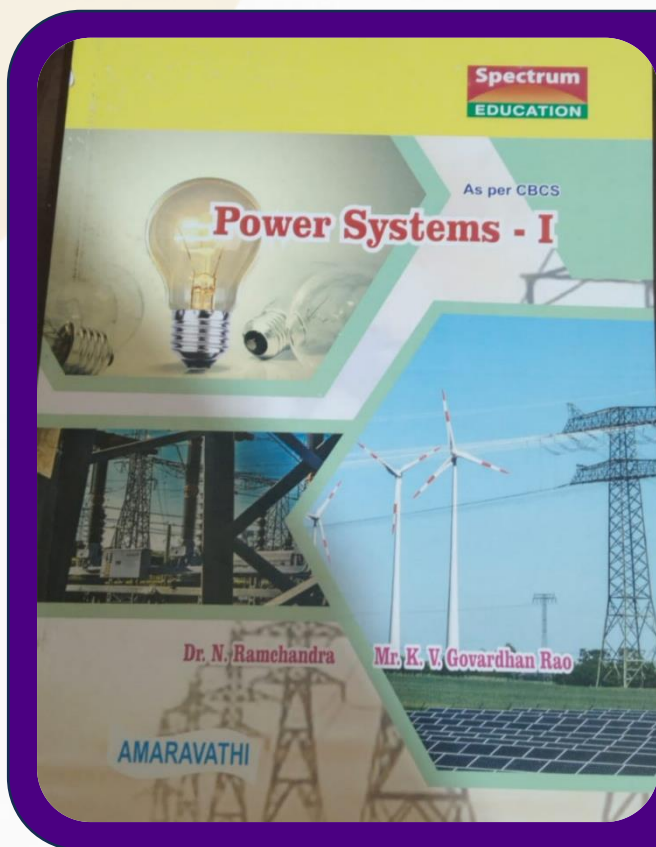
Mr. K.Vinoth Bresnav has received a prizes in Cricket, Tug of War, Short Put, Long Jump on Sports Day



## TEXT BOOKS

S.No	Name of the Author	Title of the Book	Publication with ISBN number	Year
1	Dr.N. Ramchandra	Power Systems-I	Spectrum Education	2023
		Electrical Machines-I	Spectrum Education	2023
		Electro Magnetic Fields	Spectrum Education	2023
2	Mr. N. Daniel Manoj	Electrical Measurements and Instrumentation	Spectrum Education	2023
3	Mrs. T. V. Sai Kalyani	Electro Magnetic Fields	Spectrum Education	2023
	Mrs. T. V. Sai Kalyani	Electrical Measurements and Instrumentation	Spectrum Education	2023
4	Mr. K. V. Govardhan Rao	Power Systems-I	Spectrum Education	2023
	Mr. K. V. Govardhan Rao	Power Systems-II	Spectrum Education	2023
5	Mr. V. Vishnuvardhan	Network Analysis and Synthesis	Spectrum Education	2023
		Electrical Machines-I	Spectrum Education	2023
		Electrical Machines-II	Spectrum Education	2023
6	Ms. CH. Nirosha	Network Analysis and Synthesis	Spectrum Education	2023
7	Ms. P. Priyanka	Network Analysis and Synthesis	Spectrum Education	2023
8	Mrs. S. Sunanda	Electrical Machines-II	Spectrum Education	2023
9	Mrs. K. Shravani	Power Systems-II	Spectrum Education	2023







## PUBLICATIONS

### Papers and External Conferences

S.No	Faculty name	Tentative Title of the Paper	Journal
1	Dr.N. Ramchandra	Control one-axis tracking solar system centred on the PILOT technique to optimise the capture of solar energy	Inderscience publications
2	Mr. N. Daniel Manoj	Design considerations for wireless charging system for electric and plug-in vehicles	Inderscience publications
3	Mrs. T. V. Sai Kalyani	"TS Fuzzy Control of PV Assisted Single phase Three Phase Induction Motor Drive for Rural Pumping Applications"	Transactions on Energy Systems and Engineering Applications.
		An evaluation in industrial application using leakage inductance and series capacitance converter	Transactions on Energy Systems and Engineering Applications.
4	Ms. P. Priyanka	Application of multiport DC-DC converter to Electric vehicle	Energy Reports
5	Mrs.K. Shravani	Power factor correction cuk converter based on BLDC Motor	Inderscience publications

S.No	Faculty name	Tentative Title of the Paper	conference publication
1	Mr. K. V. Govardhan Rao	Revealing the effect of excitation cross coupling on the performance of LFC in Multi Hybrid System	2023 IEEE CHILECON conference
2	Ms. Ch. Nirosha	Navigating flood prediction complexities: Harnessing Fuzzy expert systems and Real - Time sensor integration	IEEE Conference
3	Mrs. S. Sunanda Kumari	Simulation of 4-Leg Inverter based APF for PV based System with Effective Controller	International Conference on Renewable Energy, Green Computing and Sustainable Development

**Internal Conference:-****International Conference on Advances in Electrical and Electronics Engineering (ICAEEE – 2023)**

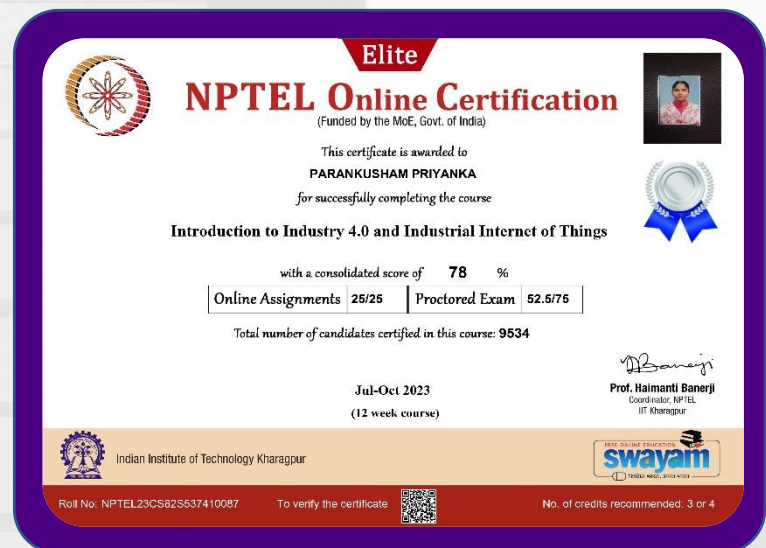
S.No	Faculty name	Title of the Paper
1	Dr.N. Ramchandra	Forest Fire alerting system with GPS Co-ordinates using IOT
2	Mr. N. Daniel Manoj	Electric Vehicles Charging Management Considering Vehicle to Vehicle Strategy
3	Mrs. T. V. Sai Kalyani	An Intelligent Scheme for Vehicle Theft E-Menu Card System in Intelligent e-Restaurants in Smart Cities
4	Mr. K .V. Govardhan Rao	Islanding Detection Technique of Distribution Generation System
		An Intelligent Scheme for Vehicle Theft
5	Mr. V. Vishnu Vardhan	Testing of Artificial Intelligence in Software
6	Ms. CH. Nirosha	SMART Power Flow Controller for Smarter Grid Applications
7	Ms. P. Priyanka	Unveiling the Power of Machine Learning and Deep Learning: A Comprehensive Overview
8	Mr. G. Balachandraiah	Intelligent System For Air Pollution Finding In Vehicles
9	Mrs. S. Sunanda	Design of Large-Scale Integration of Photo Voltaic System to the Power Grid
10	Mrs. V. Kiranmayee	A Smart Way of Duck Egg Hatching System In Cultivation
11	Mrs. K. Rupa Haritha	Vehicle Movement Based Street Light Control System
12	Ms. Usha Rani	Automatic Pothole Detection And Alert System With Speed Reduction Features To Aid Drivers
13	Mrs.K. Shravani	Accurate Speed Control of Electric Car

## CERTIFICATION COURSES

### NPTEL COURSES



Mr. Daniel Manoj Nethala, Asst. Prof, EEE has Successfully completed NPTEL Course in Cyber Security and Privacy and received Elite certificate from IIT Kharagpur.



Ms. P. Priyanka, Asst. Prof, EEE has Successfully completed NPTEL Course in Industry 4.0 IIOT and received Elite + Silver certificate from IIT Kharagpur.





Mr. V. Vishnu Vardhan, Asst. Prof, EEE has Successfully completed NPTEL Courses in Cloud Computing, Industry 4.0 IIOT, Introduction to Internet of Things, Operating System Fundamentals and received 4 Elites IIT Kharagpur.

**Elite**

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

This certificate is awarded to **VISHNUVARDHAN VADLA** for successfully completing the course

**Introduction to Industry 4.0 and Industrial Internet of Things**

with a consolidated score of **70 %**

Online Assignments	24.78/25	Proctored Exam	45/75
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Total number of candidates certified in this course: **9534**

Jul-Oct 2023  
(12 week course)

Prof. Haimanti Banerji  
Coordinator, NPTEL  
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL23CS82S537408873 To verify the certificate

No. of credits recommended: 3 or 4

**Elite**

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

This certificate is awarded to **VISHNUVARDHAN VADLA** for successfully completing the course

**Introduction to Internet of Things**

with a consolidated score of **60 %**

Online Assignments	24.13/25	Proctored Exam	36/75
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Total number of candidates certified in this course: **25880**

Jul-Oct 2023  
(12 week course)

Prof. Haimanti Banerji  
Coordinator, NPTEL  
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL23CS83S837401907 To verify the certificate

No. of credits recommended: 3 or 4

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

This certificate is awarded to **VISHNUVARDHAN VADLA** for successfully completing the course

**Operating System Fundamentals**

with a consolidated score of **50 %**

Online Assignments	19.75/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **1433**

Jul-Oct 2023  
(12 week course)

Prof. Haimanti Banerji  
Coordinator, NPTEL  
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL23CS123S737400942 To verify the certificate

No. of credits recommended: 3 or 4

**Elite**

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

This certificate is awarded to **VISHNUVARDHAN VADLA** for successfully completing the course

**Cloud Computing**

with a consolidated score of **75 %**

Online Assignments	24.69/25	Proctored Exam	50.5/75
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Total number of candidates certified in this course: **16686**

Jul-Oct 2023  
(12 week course)

Prof. Haimanti Banerji  
Coordinator, NPTEL  
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL23CS89S837409628 To verify the certificate

No. of credits recommended: 3 or 4



Mr. G. Bala Chandraiah, Asst. Prof, EEE has Successfully completed NPTEL Courses in Cloud Computing, Industry 4.0 IIOT from IIT Kharagpur.



Mrs. S. Sunanda Kumari, Asst. Prof, EEE has Successfully completed NPTEL Course in Internet of Things and received an Elite Certificate

## CERTIFICATION COURSES FROM VARIOUS AGENCIES

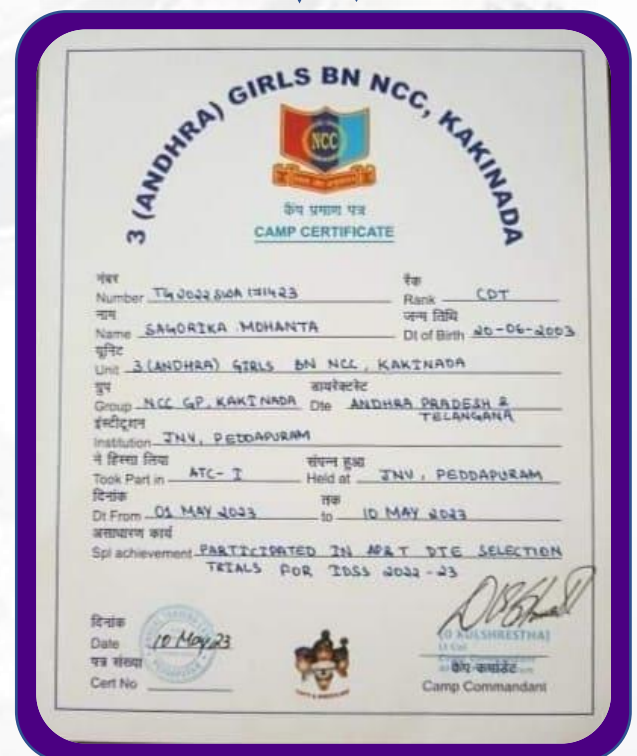
To Enhance the Technical knowledge, the faculty has completed  
12 certification courses from different agencies.

S.no	Name of the faculty	Course	Certificate agency
1	Mr. Daniel Manoj	Programing methodologies	Academy Europe
2	Mrs. T. V. Sai Kalyani	Data warehousing computer science	Academy Europe
3	Mr. K.V. Govardhan Rao	Python deep learning	Academy Europe
4	Mr. V. Vishnu Vardhan	Parallel algorithm	Academy Europe
5	Ms. Ch. Nirosha	Simple object access protocol	Academy Europe
6	Ms. P. Priyanka	Chat Gpt	Mind luster
7	Mr. G. Balachandraiah	Agile methodology	Academy Europe
8	Mrs. S. Sunanda	Computer level organization	Academy Europe
9	Mrs. V. Kiranmayee	Cryptography	Academy Europe
10	Mrs. K. Rupa Haritha	Compiler design	Academy Europe
11	Ms. Usha rani	Functional programming of computer	Academy Europe
12	Mrs. K. Shravani	Software development life cycle	Academy Europe

# STUDENTS CORNER



Sagorika Mohanta from EEE III year has completed 2 NCC TGBN camps and received two camp completion certificates and also got first in Rifle shooting

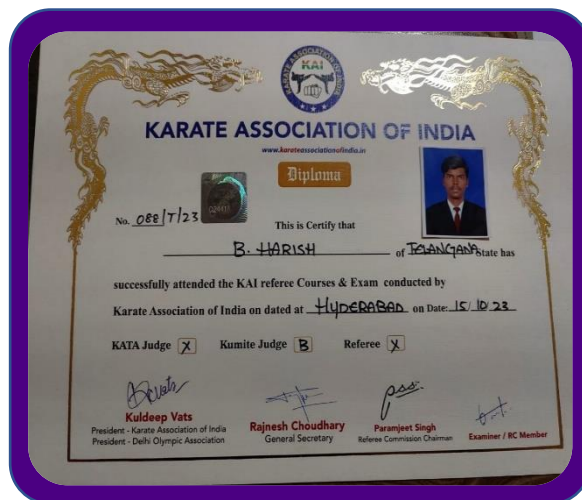




Shravya from EEE III-year has completed NCC TGBN camp and received camp completion certificate



Mahesh from EEE III year has Secured Winner Position in Kho Kho – Men Team on Annual Sports Day Tournament



B. Harish from EEE II year has successfully completed the KAI courses and Exam conducted by the Karate Association of India







Vamshi from EEE III year has been participated in VNR VJIET National Sports fest



**TOPPERS**

**II-II TOPPERS**



**Hema Sri**  
**9.1CGPA**



**Praneeth**  
**8.7CGPA**



**Keerthana**  
**8.62CGPA**



## III-II TOPPERS



**K. Akshay**  
**8 CGPA**



**K. Yashaswini**  
**7.68 CGPA**



**Manohar**  
**7.68 CGPA**

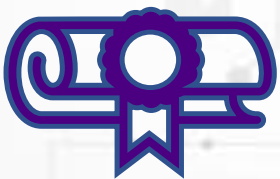
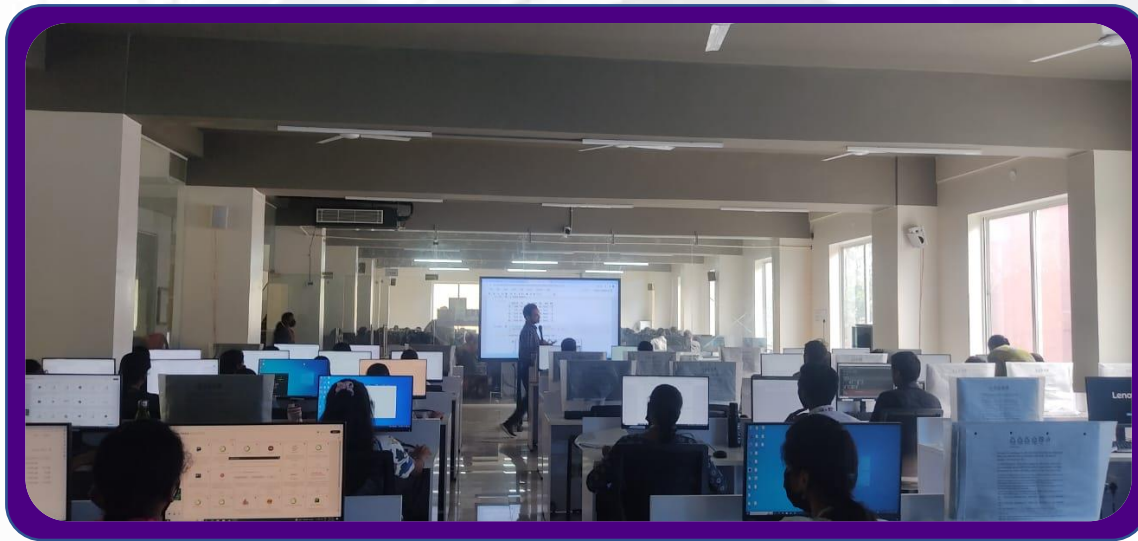
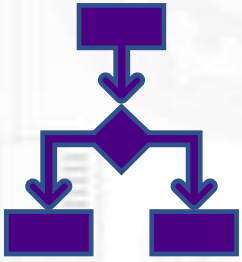


**K. Seshasanthosh**  
**Kumar**  
**7.59 CGPA**



### INTERNSHIP

The department has conducted Two weeks internship training program for Second Year students from 18.12.2023 to 30.12.2023 to enhance their Skills in Electrical and Electronics Sector.



## PLACEMENTS

SMEC has an independent Training & Placement Wing, committed to provide all assistance to its students. It is headed by an experienced and qualified Training & Placement Officer and ably assisted by Training & Placement Coordinators. The Wing ensures that maximum number of students secured placements in reputed National & Multinational Companies.



**KANDULA LOKESH**  
19K81A0241  
AXIOM IO,  
COGNIZANT



**K RUCHITHA**  
19K81A0217  
VIRTUSA



**DASARI SRIDIVYA**  
19K81A0208  
VIRTUSA



**KATAMONI TEJASWINI**  
19K81A0220  
VIRTUSA,  
KEKA TECHNOLOGIES  
PVT LTD



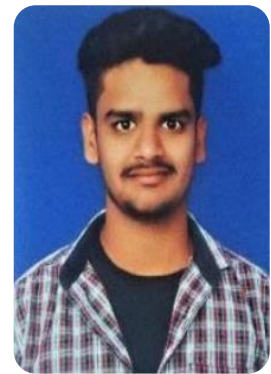
**GANGADARI SHRAVAN KUMAR**  
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VIRTUSA  
KEKA TECHNOLOGIES  
PVT LTD



**GUMMULURU PAVAN KUMAR**  
19K81A0213  
VIRTUSA  
KEKA TECHNOLOGIES  
PVT LTD



**NAREDLA NAGARAJ**  
20K85A0215  
VIRTUSA



**ANKAM MANIDEEP**  
20K85A0216  
VIRTUSA



**KONETI SAIKUMAR**  
20K85A0223  
SKILL DUNIA  
BYJU'S



**THIRUNAGARI YASHASRI**  
20K85A0208  
SKILL DUNIA



**BEGARI SAIKUMAR**  
20K85A0213  
SKILL DUNIA



**NANDA VEENA**  
NANDA VARDHAN  
19K81A0226  
SUTHERLAND



**MAHESH  
MANDAPALLI  
20K85A0206  
COGNIZANT**



**VALLAIKAL  
SARASWATHI  
19K81A0235  
COGNIZANT**



**POREDDY SRI  
VARSHA  
19K81A0230  
COGNIZANT**



**VELMALA  
KOUSHIK  
19K81A0239  
COGNIZANT**



**ERRA CHARAN TEJ  
20K85A0205  
COGNIZANT**



**ETTEDI AKSHAY  
REDDY  
20K85A0218  
COGNIZANT**



**AMBATI TEJITH  
REDDY  
19K81A0203  
COGNIZANT**



**SRIRAM BIRADAR  
19K81A0234  
COGNIZANT**



**AKSHITHA  
SIMRAN  
19K81A0202  
SUTHERLAND**



**NEERUDI SANDEEP  
19K81A0228  
SUTHERLAND RINEX,  
SMARTIMS,  
MAINTEC, SKILL DUNIA,**



**NEELAM SWAPNA  
19K81A0227  
RINEX  
PENTAGON SPACE**



**MANALA SAI  
PRADEEP  
19K81A0240  
RINEX, SMARTIMS**



**VANTA KARTHIK  
REDDY  
19K81A0236  
RINEX**



**MOHAMMAD GHANI  
20K85A0210  
RINEX  
SKILL DUNIA  
BYJU'S**



**G. SURYA KIRAN  
20K85A0207  
SMARTIMS  
SKILL DUNIA**



**MEKALA NIKHIL  
20K85A0202  
QSPIDERS  
PROLIFICS  
MAINTEC**



**MUDAVATH  
VIGNESH  
20K85A0209  
MOVATE**



**MATHURA GOKUL  
19K81A0224  
MOVATE**



**DASARI SNEHA SRI  
19K81A0207  
SAVANTIS**



**KOTHAKAPU  
MALLIKARJUNA REDDY  
19K81A0221,  
SAVANTIS,  
CONNEQT**



**K ABINAV  
19K81A0216  
SAVANTIS**



**NALLA SAHIL  
20K85A0212  
SAVANTIS**



**MODUKURI  
VENKATA SAI  
KUMAR  
18K81A0227  
SAVANTIS**



**BOEEN ANUSHA  
19K81A0205  
SAVANTIS**



**KAREGAM ARCHANA  
19K81A0218  
SAVANTIS**



**KAITHOJU  
SANDEEP  
20K85A0214  
SAVANTIS**



**GONE  
GREESHMA  
19K81A0212  
GENPACT**



**PALI WAL VINOD  
19K81A0229  
SRI CHAKRA  
SCIENTIFIC SERVICES**



**KASARLA LASYA  
19K81A0219  
SRI CHAKRA  
SCIENTIFIC SERVICES  
SUTHERLAND**



**DUNNAPOTHULA  
NIKHITHA  
20K85A0222  
SRI CHAKRA  
SCIENTIFIC SERVICE**



**KAMMARI SHRAVYA  
20K85A0204  
SRI CHAKRA  
SCIENTIFIC SERVICE**



**MANDA VIKAS  
19K81A0223  
SRI CHAKRA  
SCIENTIFIC SERVICES**



**GARIPALLY NANDINI**  
19K81A0210  
SRI CHAKRA  
SCIENTIFIC SERVICES  
CONNEQT



**ALLURI  
BHARGAVI RANI**  
20K85A0221  
SRI CHAKRA  
SCIENTIFIC SERVICES



**ADDI DURGA PRASAD**  
19K81A0201  
SRI CHAKRA  
SCIENTIFIC SERVICES,  
CONNEQT



**DONGALA NITHISH  
REDDY**  
20K85A0225  
SRI CHAKRA



**S VAMSHI**  
19K81A0233  
SRI CHAKRA  
SCIENTIFIC  
SERVICES



**B PAVAN KALYAN**  
20K85A0220  
CONNEQT



**T VENKATA SAI  
RAKESH**  
20K85A0211  
GENPACT



**PRUDHIVI VIGNESH**  
19K81A0231  
CONNEQT



**VEERABOINA  
KALYAN KUMAR**  
19K81A0237  
SKILL DUNIA



**SHAIK  
SALMAN**  
20K85A0203  
SKILLDUNIA



**EGGA RAKESH**  
20K85A0219  
MAINTEC



**CHITTA KUMAR  
TEJA**  
19K81A0206  
SKILL DUNIA



**JAKKAMSETTY  
SNEHALATHA**  
19K81A0215  
SKILL DUNIA



**KASTHURI APARNA**  
20K85A0201  
SRI CHAKRA  
SCIENTIFIC SERVICES

PLACEMENTS DAY

**St. MARTIN'S Engineering College**  
UGC AUTONOMOUS  
A+ NAAC

**Invitation "PLACEMENT DAY 2023"**

*"Opening St. Martin's is the gateway to the Right Placement is always proved"*

I feel privileged to invite you to attend the Placement Day at our college campus on 8<sup>th</sup> July 2023 @ 10:00 A.M. The "Placement Day" is an event of college where placement offer letters/appointment letters are distributed to the students placed in various companies. At first, I am extremely delighted to share the tremendous news of 100% placements record of St. Martin's students for the academic year 2022-2023. Total 1160+ Placement offers are achieved.

In this regard, we recollect your trust, constant support and precious feedback to attain this remarkable achievement. We are grateful for being with us by playing your constructive role in transforming our college as the prime institution. We also expect the same firm believe and cooperation in future too. Please do join us and make the event a grand success.

**"SOME PEOPLE DREAM OF SUCCESS BUT ST. MARTIN'S WAKE UP AND ACHIEVE IT"**

**Dr. P. Santosh Kumar Patra**  
GROUP DIRECTOR

---

**St. MARTIN'S Engineering College**  
UGC AUTONOMOUS  
A+ NAAC

**INVITATION**  
**PLACEMENT DAY 2023**

*"Opening St. Martin's is the gateway to the Right Placement is always proved"*

on **08<sup>th</sup> July 2023 @ 10:00am**

**St. MARTIN'S Engineering College**

---

**PLACEMENT Day-2023**

No. of Placement offers - 1160+  
No. of Companies visited - 60+

**08<sup>th</sup> July 2023 10:00am**

**Venue: Rabinranath Tagore Auditorium, SMEC.**

**Programme Schedule:**

- 10:00 am - Welcome & Prayer Dance
- 10:10 am - Placement Achieved A/V
- 10:20 am - Group Director Speech
- 10:30 am - Guests of Honour Speech
- 10:50 am - Chief Guest Speech
- 11:10 am - Offer Letter distribution & Group Photos
- 01:00 pm - Vote of Thanks
- 01:10 pm - Lunch Follows

**CHIEF GUEST**  
**Sri CH. MALLA REDDY Garu**  
Hon'ble Minister, Labour & Employment, Fisheries, Women & Child Welfare and Skill Development, Govt. of Telangana State.

**GUESTS OF HONOUR**

- Sri VIJAY MAVURAPPU Garu**  
Director, In-charge Recruitment, Cyient
- Sri SUBRAMANIAN S Garu**  
Senior Country Lead - Early Talent Programs, BFL Global (Engineering)
- Sri M. RAJESH KUMAR REDDY**  
TRUSTEE
- Sri M. RAJESHWAR REDDY**  
DIRECTOR
- Sri G. RAJESHWAR REDDY**  
SECRETARY
- Sri G. RAJESHWAR REDDY**  
DIRECTOR

**SRI M. LAKSHMAN REDDY** CHAIRMAN  
**SRI G. CHANDRASEKHAR REDDY** EXECUTIVE DIRECTOR  
**SRI G. JAYASHANKAR REDDY** DIRECTOR  
**DR. P. SANTOSH KUMAR PATRA** GROUP DIRECTOR



"Placement Day" is the most awaited in a graduate's life. It becomes a day of celebration in a parent's life by seeing his/her ward as a young professional it remains as a victorious day in a teachers life by beholding his /her student as a nurturing seed St. Martin's Engineering College an autonomous Institute celebrated a festival of Placements on 8th July 2023 for the academic year 2022-23, there have been 1160+ offers made and the student achievers are placed in 60+ MNCS being the Group Director of St. Martin's Engineering College Dr.P.Santosh Kumar Patra's significant and lucid vision of the procedure that transforms the lives of students through perceiving quality education , solid foundation and secured professional life.

**పిల్లలు ప్రయోజకులైనప్పడే.. ధూపల్లి సయ్యద్ ముహమ్మద్ ఇంజనీరింగ్ కళాశాలలో గతవేళ్లను మంటచే**

**తల్లిదండ్రులకు నిజమైన సంతృప్తి**

**మంత్రి రామకృష్ణ శర్మ**

కేంద్రమంత్రి, జూనియర్ & డిప్లొమా ప్రయోజకులైనప్పడే తల్లిదండ్రులకు నిజమైన సంతృప్తి అందించడం మంత్రి రామకృష్ణ శర్మ లక్ష్యం. ధూపల్లి సయ్యద్ ముహమ్మద్ ఇంజనీరింగ్ కళాశాల ఆవిర్భావం 80 సంవత్సరాల కుదిరిన అర్జునులలో అనుభవ గీతం పుస్తకం చేతులకొచ్చి కళాశాల మంచి పనులు చేస్తున్నారని ఆయన కమిటీలో ఉద్వేగం వ్యక్తం చేశారు. ఈ సందర్భంగా విద్యార్థులకు వేద మంత్రం మార్చడం ముఖ్య అతిథిగా మంత్రి రామకృష్ణ శర్మ, దినదేవుళ్ల యువతను ప్రార్థన చేశారు. అతనితో కలిసి కళాశాల ఆవిర్భావం వందవ ఏటాను జరుపుకుంటున్న సందర్భంగా మంత్రి రామకృష్ణ శర్మ ఆయా కలెక్షన్లలో ఉద్వేగం వ్యక్తం చేశారు. ఆయా కలెక్షన్లలో ఉద్వేగం వ్యక్తం చేశారు. ఆయా కలెక్షన్లలో ఉద్వేగం వ్యక్తం చేశారు.

**మంత్రి రామకృష్ణ శర్మ** ధూపల్లి సయ్యద్ ముహమ్మద్ ఇంజనీరింగ్ కళాశాల ఆవిర్భావం 80 సంవత్సరాల కుదిరిన అర్జునులలో అనుభవ గీతం పుస్తకం చేతులకొచ్చి కళాశాల మంచి పనులు చేస్తున్నారని ఆయన కమిటీలో ఉద్వేగం వ్యక్తం చేశారు. ఈ సందర్భంగా విద్యార్థులకు వేద మంత్రం మార్చడం ముఖ్య అతిథిగా మంత్రి రామకృష్ణ శర్మ, దినదేవుళ్ల యువతను ప్రార్థన చేశారు. అతనితో కలిసి కళాశాల ఆవిర్భావం వందవ ఏటాను జరుపుకుంటున్న సందర్భంగా మంత్రి రామకృష్ణ శర్మ ఆయా కలెక్షన్లలో ఉద్వేగం వ్యక్తం చేశారు. ఆయా కలెక్షన్లలో ఉద్వేగం వ్యక్తం చేశారు.



## EVENTS

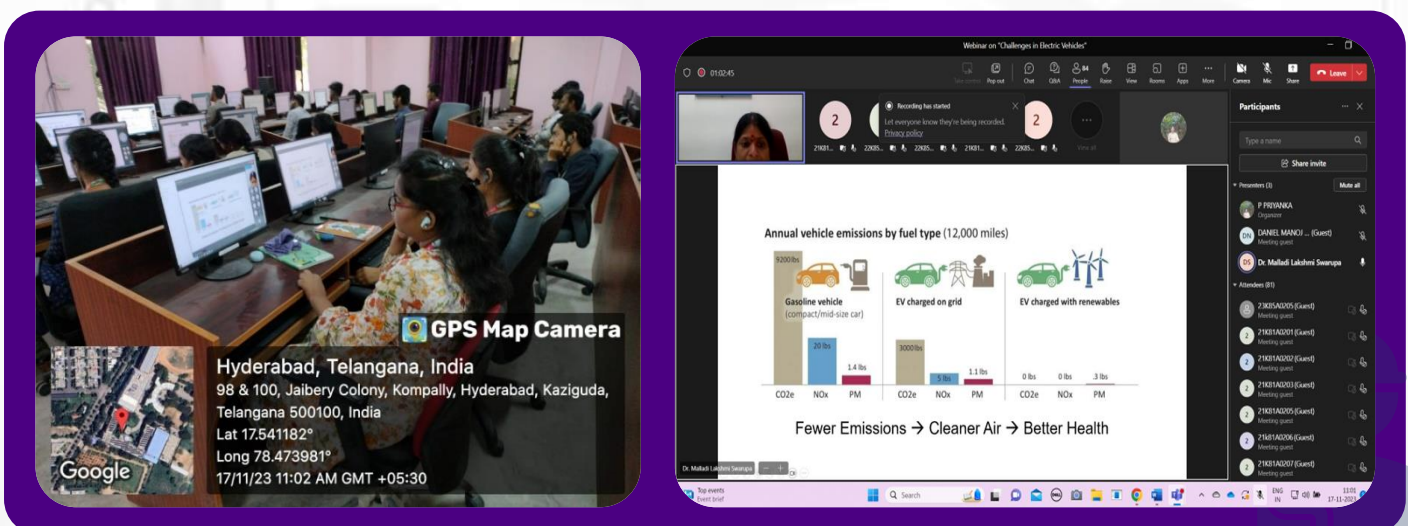
### Third International Conference on “**Advances in Electrical and Electronics Engineering (ICAEEE-2023)**”

The Department of Electrical and Electronics Engineering has organized a Third International Conference on “**Advances in Electrical and Electronics Engineering (ICAEEE-2023)**” from 15.12.2023 to 16.12.2023. The conference was organized with an aim to furnish a forum for faculty, research scholars and young academic scientists to share their innovative ideas in the advanced areas of Electrical and Electronics Engineering. Electric power has become so important because of its ability to improve quality of life, drive economic development, provide essential services, foster technological advancement, and transform the way we live and work. Its dominance has led to the creation of a robust and reliable electrical infrastructure, allowing electricity to play a central role in modern life. As the aim of the conference was to create a platform for academicians, research scholars to present their novel ideas and share their views in Advances in Electrical and Electronics Engineering; In this regard all the participants have presented their PPT's. The overall response and feedback from the participants were excellent and are interested to take part in further events.



## Webinar on “Challenges in Electric Vehicles”

The Department of Electrical and Electronics Engineering has organized a Webinar on “Challenges in Electric Vehicles” on 17.11.2023. This program was organized with an objective to upgrade the knowledge of students about Electric Vehicles and the challenges. Electric vehicles (EVs) face a spectrum of challenges that span technological, infrastructural, and societal domains. Foremost among these is the ongoing refinement of battery technology, aiming to bolster energy density, durability, and cost-effectiveness. Creating a robust charging infrastructure capable of supporting mass EV adoption remains a significant hurdle, demanding widespread deployment of fast-charging stations and accessible home-charging solutions. Overcoming "range anxiety" through advancements in battery efficiency and more accurate range prediction algorithms is pivotal to assuage consumer concerns. Moreover, cost competitiveness against traditional vehicles necessitates continual reductions in production costs, particularly concerning batteries and essential components. Simultaneously, the evolution of EV design and performance must strive for parity with or surpass the standards set by internal combustion engine vehicles. Securing sustainable supply chains for raw materials like lithium while minimizing environmental impacts poses another formidable challenge, compounded by the necessity for supportive regulatory frameworks and policies that incentivize adoption. Addressing these challenges requires concerted efforts across sectors, from technological innovation to infrastructure development and consumer education, fostering a conducive environment for the widespread acceptance and integration of electric vehicles.



## Industrial visit to 9.04 MG RGPPL Solar Power Plant, Palamakula.

The Department of Electrical and Electronics Engineering organized an industrial visit on 06.11.2023 to **9.04 MG RGPPL Solar Power Plant, Palamakula** for the II-year B. tech EEE students.

A solar power plant, also known as a solar farm or solar photovoltaic (PV) power plant is a facility designed to harness sunlight and convert it into electricity using solar panels. These power plants are part of the renewable energy sector and contribute to reducing greenhouse gas emissions and dependence on fossil fuels.



## A Two-Day Workshop on Entrepreneurship Opportunities in Electrical & Electronics Engineering

The Department of Electrical and Electronics Engineering organized A Two-Day Workshop on Entrepreneurship Opportunities in Electrical & Electronics Engineering on 12.10.2023 & 13.10. 2023. This program was organized with an objective to enhance the knowledge of students on Entrepreneurship.



## DIGITAL INDIA

Department of Electrical and Electronics Engineering

**AWARENESS  
ON  
DIGITAL  
INDIA**



Dr. P. Santosh Kumar Patra, Group Director,  
St. Martin's Engineering College

### 1. ZPH School, Suraram Colony, Jeedimetla, Hyderabad.

The Department of Electrical and Electronics Engineering organized a “**Digital INDIA**” event in ZPH School on 14.09.2023. This program was organized with an objective to create the awareness on Digital INDIA to the class of 10<sup>th</sup> Students. Our Group Director Dr. P. Santosh Kumar Patra Sir has addressed everyone and illuminated the students about Digital INDIA through his virtual Presence. Later the faculty and student coordinators interacted with the students. The response from the students was fantastic and the Vice Principal of the school, Mrs. Punyavathi madam has appreciated the coordinators and they are looking forward for further events from our college.



Hyderabad, Telangana, India  
4, VDR St, Suraram Colony, Dayanand Nagar, Suraram, Hyderabad,  
Telangana 500055, India  
Lat 17.541071°  
Long 78.437684°  
14/09/23 01:37 PM GMT +05:30



Hyderabad, Telangana, India  
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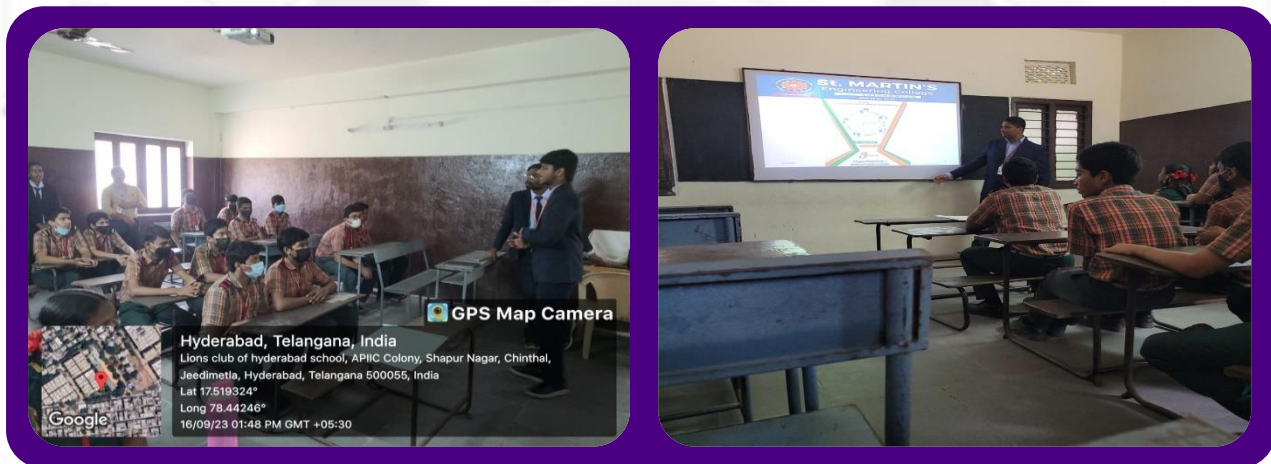
## 2. ZPH School, Suraram Colony, Jeedimetla, Hyderabad.

The Department of Electrical and Electronics Engineering organized a “Digital INDIA” event in ZPH School on 14.09.2023. This program was organized with an objective to create the awareness on Digital INDIA to the class of 10<sup>th</sup> Students. Our Group Director Dr. P. Santosh Kumar Patra Sir has addressed everyone and illuminated the students about Digital INDIA through his virtual Presence. Later the faculty and student coordinators interacted with the students. The response from the students was fantastic and the Vice Principal of the school, Mrs. Punyavathi madam has appreciated the coordinators and they are looking forward for further events from our college.



### 3. Lions club of Hyderabad Seth Ganapathrai Tibrewala High School, Jeedimetla.

The Department of Electrical and Electronics Engineering organized a “**Digital INDIA**” event in Lions club of Hyderabad Seth Ganapathrai Tibrewala High School on 16.09.2023. This program was organized with an objective to create the awareness on Digital INDIA to the class of 10<sup>th</sup> Students. Initially, Our Group Director Dr. P. Santosh Kumar Patra Sir’s Virtual Presence has awakened all the students as Sir has narrated few stories on Digitalization. Later it was switched to an interactive session through our student coordinators. The response from the students was admirable and the school Principal Mrs. Lizzy Kutti Mathew Madam and Vice Principal Mrs. Vakula Devi madam has applauded us.





## Industrial visit to Indian National Centre for Ocean Information Services

The Department of Electrical and Electronics Engineering organized an industrial visit on 22.09.2023 to **Indian National Centre for Ocean Information Services (INCOIS), Hyderabad** for the III-year B.tech EEE students.

The Indian National Centre for Ocean Information Services (INCOIS) is an autonomous organization under the Ministry of Earth Sciences (MOES) of the Government of India. It is located in Hyderabad, Telangana. INCOIS primarily focuses on providing various ocean-related information and services to support the country's marine and coastal activities, including fisheries, navigation, and disaster management.



## “Swachh Bharat”

The Department of Electrical and Electronics Engineering organized “Swachh Bharat” event on 18/08/2023. This program was organized with an objective to promote the need of Swachh Bharat to have health and hygiene environment, surroundings and also to bring awareness among the students regarding the clean environment.

Swachh Bharat is one of the most significant and popular missions to have taken place in India. Swachh Bharat translates to Clean India Mission. This drive was formulated to cover all the cities and towns of India to make them clean. This campaign was administered by the Indian government and was introduced by the Prime Minister, Narendra Modi. It was launched on 2nd October in order to honour Mahatma Gandhi’s vision of a Clean India. The cleanliness campaign of Swachh Bharat was run on a national level and encompassed all the towns, rural and urban. It served as a great initiative in making people aware of the importance of cleanliness.



## “Alumni Talk on Opportunities for Electrical Engineers”

The Department of Electrical and Electronics Engineering organized an “Alumni Talk on Opportunities for Electrical Engineers” on 14/07/2023. This program was organized with an objective to motivate and inspire the students through the talk about success journey of Alumni and also providing information regarding the future scope and opportunities for Electrical Engineers.

Ms. Manogna was born and brought up in Nizamabad. Her Father P. Rajesh Kumar is a Government school teacher and Mother T. Nalini is a Principal in TSWRS school and college. Manogna’s schooling is from Vijaya high school, Intermediate from Sri chaithanya Junior college and B. Tech from St. Martin’s Engineering college, Department of EEE, Batch of 2018-2022. She was an enthusiastic student in academics, TAM, Street cause organization, Traditional day and Annual day celebrations. She was also a NCC member and received A, B, C certificates. She was placed in three companies. At present she is working as Software Associate in ACCENTURE.



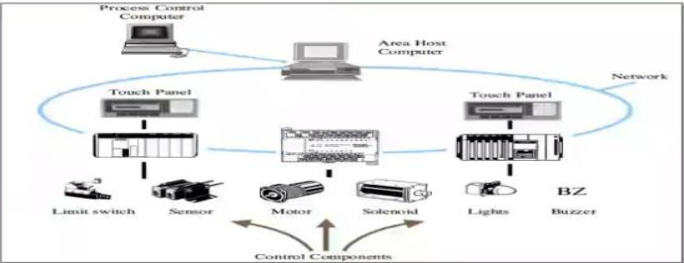

## Two- Day workshop on Advances in Programmable Logic Controller (PLC)

The Department of Electrical and Electronics Engineering organized an Online Two- Day workshop on Advances in Programmable Logic Controller (PLC) on 26.07.2023 to 27. 07. 2023. This program was organized with an objective to enhance the knowledge on Programmable logic controller.

**Programmable Logic Controller (PLC)** is a specialized digital computer used in industrial automation and control systems. It is designed to perform a wide range of tasks, including controlling machinery, processes, and other automation devices in manufacturing plants, factories, and various industrial applications. The primary purpose of a PLC is to monitor inputs, make decisions based on a user-defined program, and then control outputs accordingly. This process is known as "scan cycle" or "program scan," which occurs continuously and at high speeds to ensure real-time control of the connected systems.

**Control System**

A **Control system** is a device, or set of devices, that manages, commands, directs or regulates the behavior of other device(s) or system(s). **Industrial control systems** are used in industrial production for controlling an equipment or a machine.

Meeting in "General"

02:07:40

Pop out Chat People Raise View Q&A Rooms Apps More Camera Mic Share Leave

Unmute (Ctrl+Shift+M)

Start a discussion

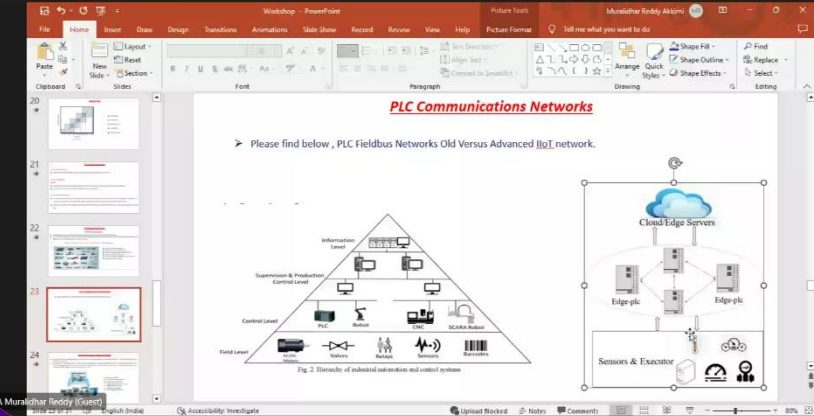
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Workshop - PowerPoint

PLC Communications Networks

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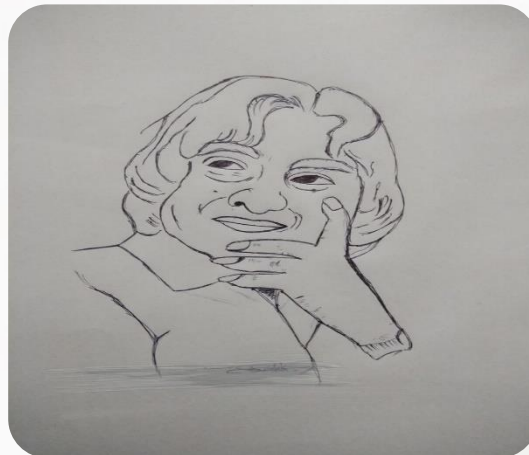

# STUDENTS ARTS



Ms. K. Snehitha, III - Year, EEE-A

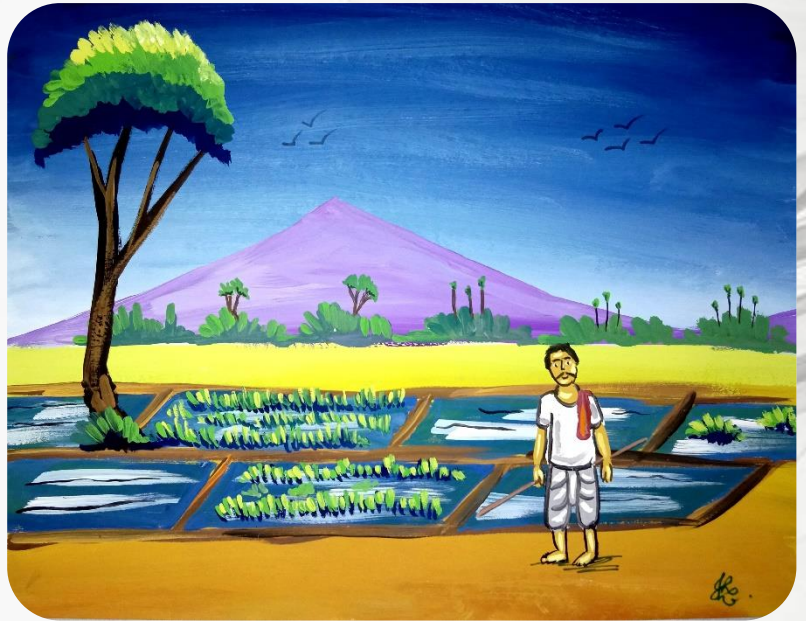


Mr. Nagaraj, II - Year, EEE-A

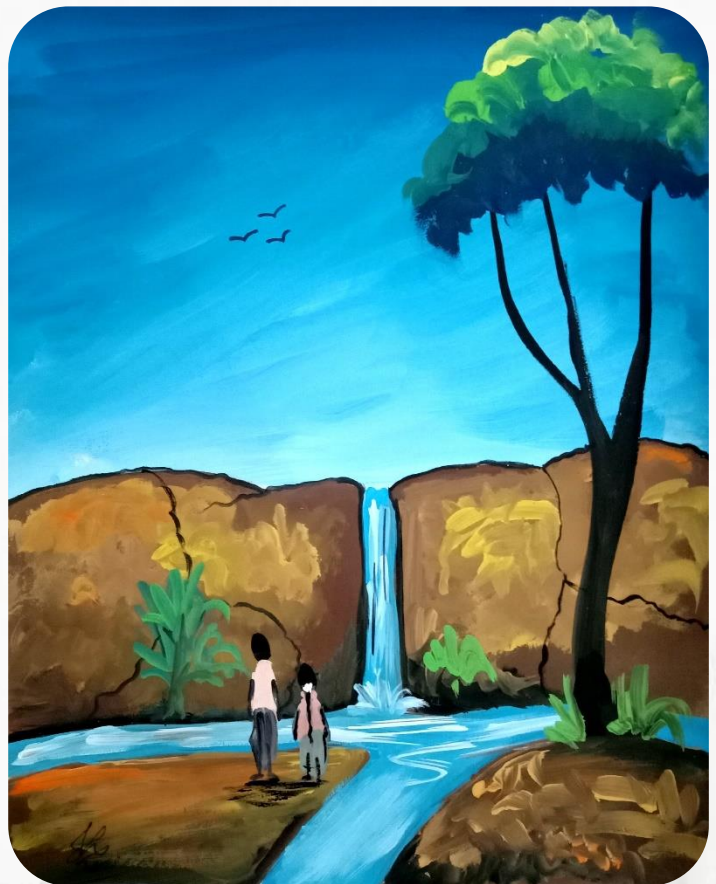
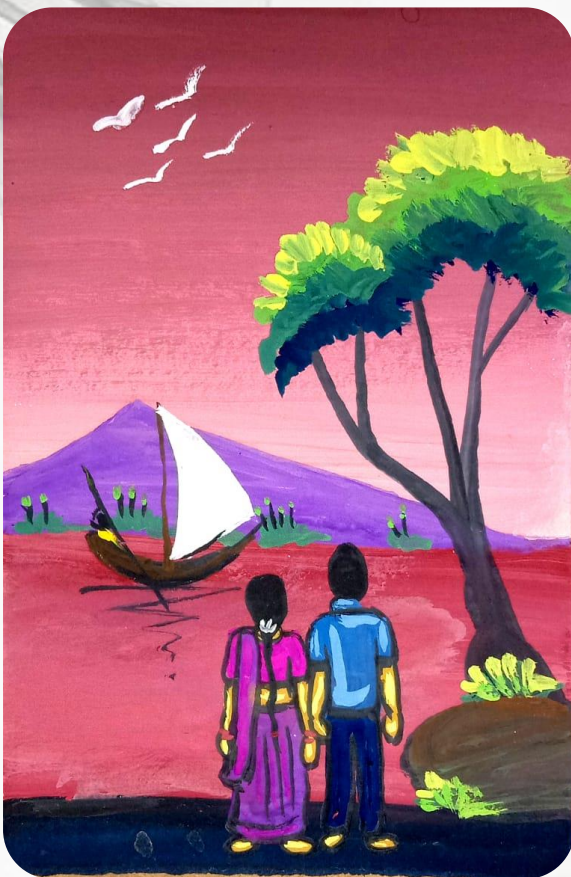


Mr. S. Nagaraj, III - Year, EEE-A





Mr. Kishore, II - Year, EEE-A



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