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#### COURSES OFFERED:

**B.E- ELECTRICAL &  
ELECTRONICS ENGINEERING**  
**M.E- EMBEDDED SYSTEM  
TECHNOLOGIES**  
**PH.D/M.S(RESEARCH)**

For More Updates:

[https://linktr.ee/eee\\_srmeaswari](https://linktr.ee/eee_srmeaswari)



### MESSAGE FROM THE HOD'S DESK

Hearty welcome and best wishes to all the individuals who receive this newsletter. It gives me great pleasure to present the third issue of "SPARKZ" for the academic year 2021-22. I cheer the students to work hard and put in their best efforts towards their technical endeavors so that it may yield prolific results. I would like to thank all my colleagues for their diligent efforts to help the department progress at a very steady rate of knots. We as a team strive hard to take the department to the height of success, glory and to achieve our vision.



### VISION OF THE DEPARTMENT

To produce graduates with a foundation in Electrical and Electronics Engineering who can cater to the dynamic needs of the industry and provide a diverse and stimulating environment for quality research.

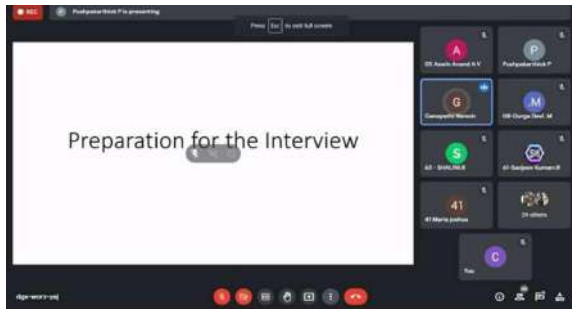
### MISSION OF THE DEPARTMENT

- M1.** To align the teaching–learning process and to provide a basic foundation For the students to adapt to the changing industrial needs
- M2.** To enrich with the latest developments through seminars, guest lectures, workshop and paper presentations
- M3.** To awake young minds to acquire knowledge continuously and learn to apply it
- M4.** To attain multidisciplinary problem–solving skills, social awareness and confidence required to excel in their chosen field
- M5.** To develop professional competency and technical expertise individually and through team effort thereby exhibit leadership in the industry
- M6.** To create a research–oriented mindset and focus on fulfilling the growing demands of society through mentoring and motivation

### PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

1. Graduates will have fundamental and broad knowledge in Electrical Sciences relating to industrial applications and research to design, analyze and synthesize information from various sources and think differently to provide solutions to their discipline
2. Graduates will become entrepreneurs, employees of reputed organizations, pursue higher studies and research for developing advanced skills in Electrical and Electronics Engineering
3. Graduates will exhibit technical and intellectual competence and will be amenable for life–long learning
4. Graduates will demonstrate technical knowledge and ethical values for professional development to meet the societal needs
5. Graduates will be able to work in a multi–disciplinary environment by providing solutions to real–time problems.

# ACTIVITIES CONDUCTED BY THE DEPARTMENT



Webinar was conducted on "Upskilling & Reskilling For Core Placements" on 12.06.2021 10.00 am to 11.00 am. The session was handled By Mr.S.Ganapathi, Graduate Engineer Trainee (Electrical), Fujitec India Pvt. Ltd., and Alumnus of our college (2016 - 2020) batch.

Webinar was conducted on "Significance of Supply Chain Management in Electrical Industries" on 12.06.2021 between 11.00 am to 12.30 pm The session was handled by Mr.Subash Thangavelu, Sr. Test Analyst CTS India Pvt. Ltd, Chennai.



The six days online International Faculty Development Programme on "Research Innovations And Emerging Advances In Electrical Engineering" was inaugurated on 14.06.2021 at 4.00 PM. Dr.K.Sudhakar, Ph.D., Research Fellow/Senior Lecturer, Faculty of Mechanical and Automotive Engineering Technology, Universiti Malaysia Pahang, Malaysia.

Webinar was conducted on "Fundamentals of Transformers" for all EEE students on 19.6.21, between 11.30 AM-12.30 PM.The session was handled by Mr.Srinivasan. S.R EEE Alumni 2015-2019 batch, Design-Engineer, IITL-Subsidiary of SSE Limited-A Prolec Partner, Chennai.



Webinar was conducted on "Industrial applications of Power Electronics" for all students on 19.6.21, between 5.00 pm-6.30 pm. The session was handled by Mr. Saravana Kumar Scientist E/Joint Director Power Electronics Group, CDAC,Thiruvananthapuram.

Guest Lecture was conducted On "Overview of Transformers" on 06.06.21.The session was handled By Mr.Kumaraguru.K,M.E,Ph.D.,MISTE, Engineer-Design, Indo Tech Transformers Ltd., Chennai.





## FACULTY ACHIEVEMENTS

S.No	Paper
1	<b>R. Karpagam</b> , “Experimental and Finite Element Analysis of Lignite Fly Ash on the Mechanical Properties of Sisal-added Polymer Matrix Composite Using ANSYS Workbench”, Journal of natural fibres, 23 June 2021.
2	<b>K.Mala</b> , “Generation Expansion Planning for a Real world Power System: Aiming Towards Cost and Environmental Emission Minimization by Penetrating Huge Renewable Energy Sources”, Journal of Electrical Engineering & Technology 28 June 2021.
3	<b>N.Priya</b> , "Sensorless speed control of induction motor using Modern Predictive Control", Advances in intelligent Systems and Computing, Vol 1334, Springer, Singapore, June 2021.
4	<b>Mala K, Marish Kumar P</b> ,” Application of Optimization Techniques for Estimating Electricity Demand of Tamil Nadu” Advances in Intelligent Systems and Computing, Springer, Singapore, June 2021.
5	<b>Marish Kumar P</b> , “A Decision based Multiple Threshold based Algorithm for elimination of Impulsive Noises and Artifacts in Images”, Turkish Journal of Physiotherapy and Rehabilitation, vol 2.issue 32,195-206, June 2021.
6	<b>Dr.D.Fathema Farzana- Patent Published-</b> “AI Controlled Autonomous Community Microgrid With Renewable Energy Systems” during August 21.

## STUDENT ACHIEVEMENTS

### INTERNSHIP






S.No	Batch	Name of the student	Name of the Industry / Organization	Stipend
1.	2018-22	Mohammed Kaif	Admatic Solutions(Internshala)	Rs.10,000
2.	2018-22	M.Duyavan	Expertrons Technologies Pvt.Ltd.,	Rs.6,500
3.	2018-22	Mohmed Yakub Sikander	Raptee Energy Pvt.Ltd.,	Performance-based
5.	2018-22	R.Sneha	Bhumi	Performance-based
6.	2018-22	J.N.Dhanasekar	Sixth Sense	Performance-based
7.	2018-22	T.Abhishek Dheeven	Shiash Info Solutions Pvt.Ltd	Performance-based

8.	2018-22	R.Shalini	Life Ecosystem, End Now Foundation, Celebrity Chef, Grip At The Sparks Foundation, Yuwaah - India (UNICEF) , PTE Universe, Team Everest, Reach Technology, Performant, Ifortis Worldwide & Unschool Community	Performance- Based
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## CLASS TOPPERS (2020-2021 ODD SEM)

### STUDENTS ACADEMIC EXCELLENCE - Star of the Semester- Odd- 2020-2021: FIRST-YEAR

CGPA	9.3
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Magilan. P	Girish. B. B	Muralidhar. P	Samanyu. B	Sree Durga. K

### SECOND YEAR

CGPA			
9.78	9.64	9.51	9.32

			
Kavipriyan. J	Preethi. S	Akash. R	Harish. V

### THIRD YEAR

CGPA			
9.39	9.07	8.86	8.74

			
Jaissri.S	Kavitha. R	Sugant. B	Srikumares. B

### FINAL YEAR

CGPA				
9.16	9.09	9.09	9.08	9.06

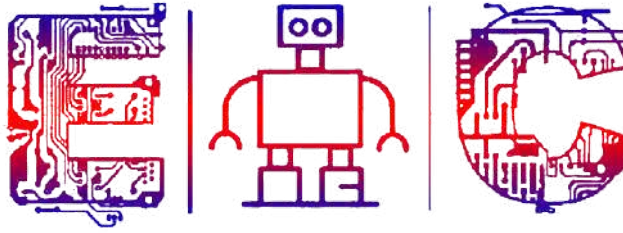
				
Sreeram. M	Shivani. A	Sanjana. S	Ghokul. S. L	Koushika Preethi. A



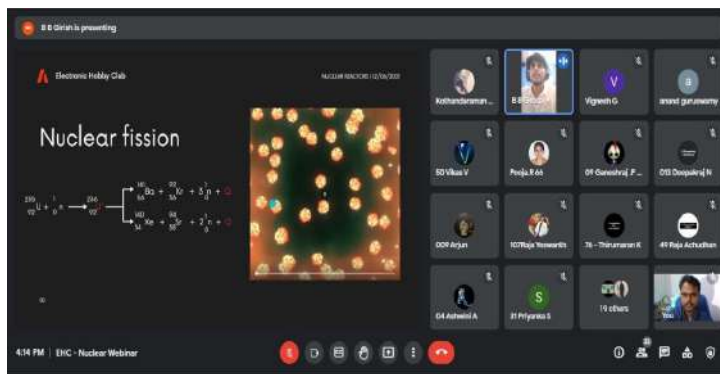
Congratulations to **K.Christober** of II year EEE for winning the state level Strength lifting championship with 2 gold medals-2021.

# CLUB ACTIVITIES

## Electronics Hobby Club



Webinar was conducted on “Opportunities and Breakthrough Technology behind Nuclear Fission and Fusion Reactors”.The session was handled by GIRISH B B of EEE first year on 12-6-2021.



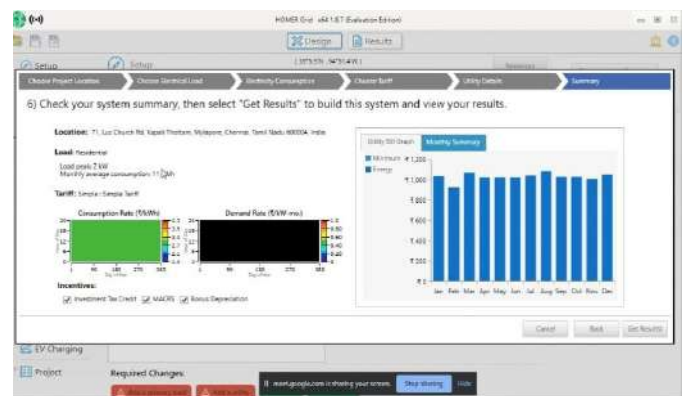
## Green Energy club



Hands-on session was conducted on “RET SCREEN” by R.ManiMaran Third-year EEE B on 05-06-2021.



Hands on session on "HOMER pro Software" by R.Muthu kumar of II EEE B on 31.07.2021





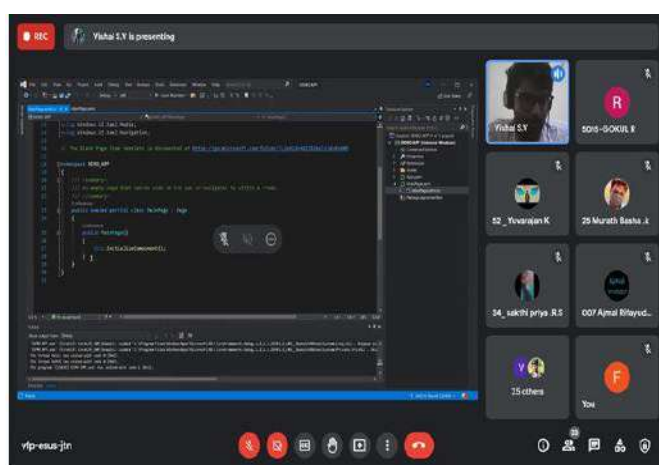
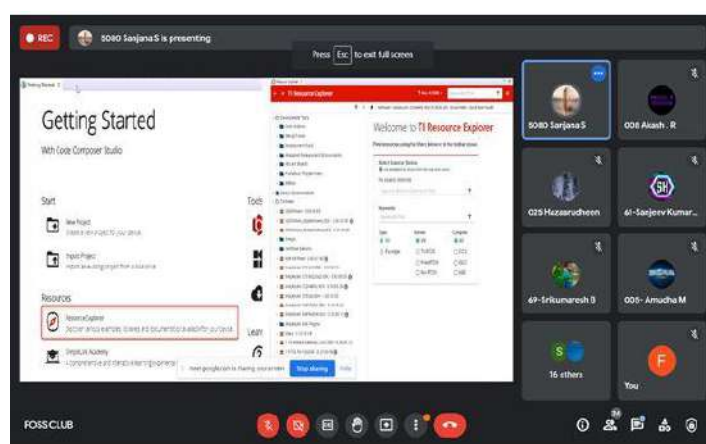
## FOSS CLUB



An online workshop on “R programming language” was conducted on 05.06.21. The session was handled by Mr.M.Pavithran, Software Engineer, Embed UR, Chennai.



Virtual training session was conducted on “Code Composer Studio- An IDE for TI Processors” by R.Naveen & S.Sanjana ,IV EEE on 10.07.2021 between 10.30 AM and 11.30 AM



Virtual training session was conducted on "Universal Windows Platform-Phase II" by S.V.Vishal, Alumni (2017-21) on 21.08.21 between 3 PM and 4 PM.

Online Quiz event was conducted on "Free and Open Source Software for Electrical" on 19.06.21 between 10.30 AM and 11:30 AM.

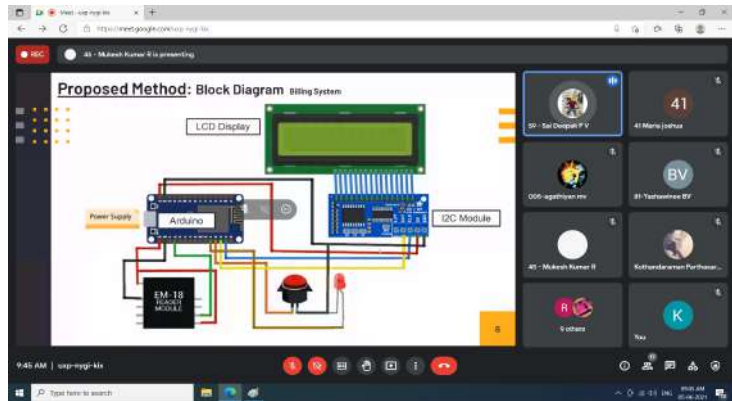
🏆 The top scorers\* 🏆

1. Yuvarajan K – I EEE
2. Sakthi priya .R.S – I EEE
- 3.Thamizh Thendral P – II EEE
4. Harshni R S – I EEE
- 5.Jeyanthi Yegammai. S – II EEE & Keerthana.R – III EEE

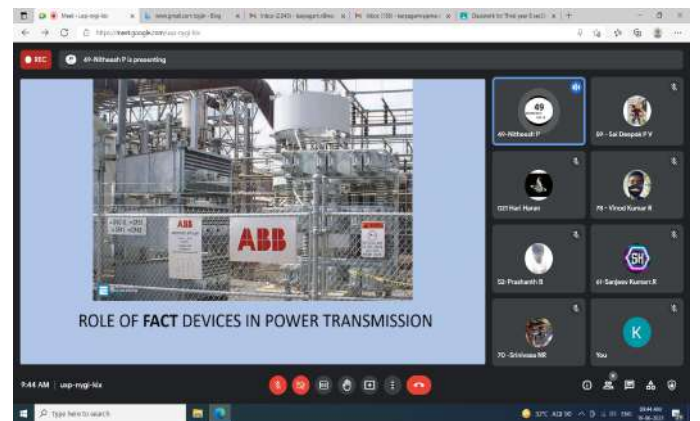


## JOURNAL CLUB

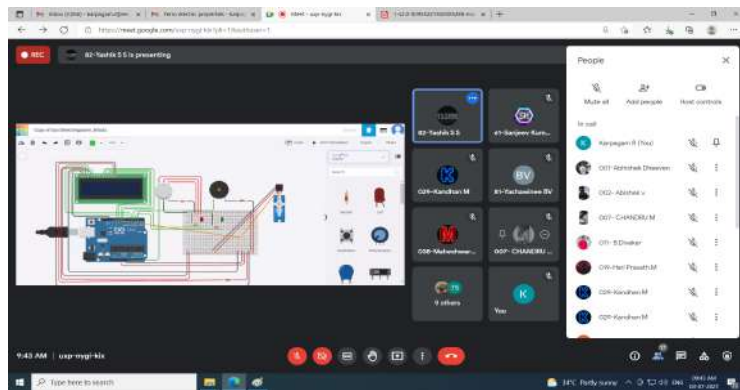
Presentation on “Smart Shopping cart using RFID and Microcontroller” by P.V.Sai Deepak & R.Mukesh kumar on 05-06-2021 between 9-10 AM.



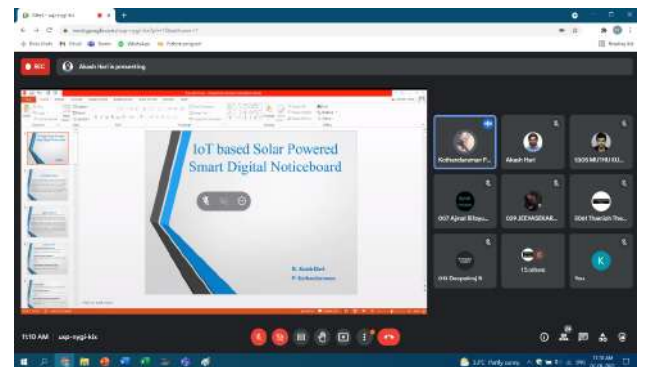
Presentation on “Role of FACTS Devices in Renewable Energy” by P.Nitheesh on 19-06-2021 9-10AM.



Presentation on “Smart Protective Mask for Workers in Sewage Network” by S.S.Yasik on 03-07-2021 9-10AM.

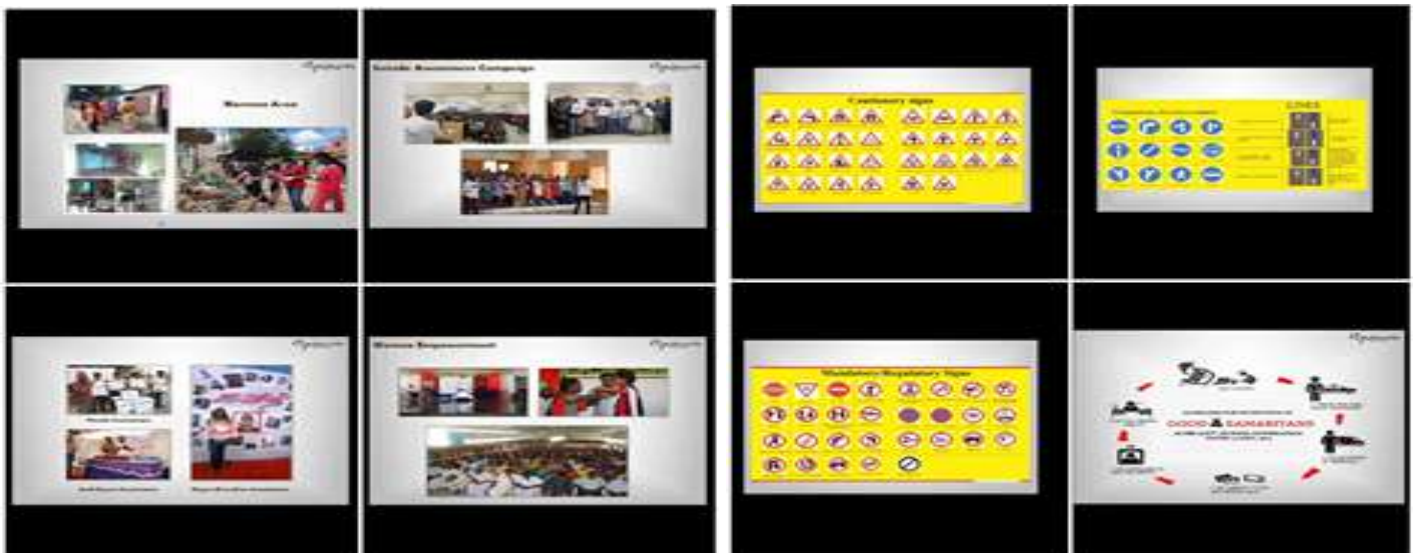


Presentation on “IOT based solar powered smart digital notice board” by B.Akash Hari and P.Kothandaraman 07-08-2021 between 11 AM and 12PM.



## ENERGY CLUB

Webinar was conducted on “Road safety awareness and Good Samaritan law” by Thozan foundation on 08-08-2021 9-10AM.



# PLACEMENT DETAILS

We congratulate the following students who have been selected by various companies.



S.No	Name of the Company	No of students placed
1.	ACCENTURE	8
2.	ATOS GLOBAL SOLUTIONS PVT. LTD	1
3.	BRAKES INDIA	1
4.	BYJU'S LEARNING	2
5.	CAPGEMINI TECHNOLOGY SERVICES	1
6.	COGNIZANT	3
7.	DUCEN IT	1
8.	E-HANDS ENERGY	1
9.	ECON SYSTEMS	1
10.	EMBEDUR SYSTEMS	1

11.	HCL TECHNOLOGIES	5
12.	HEXAWARE TECHNOLOGIES	1
13.	INFOSYS HACKWITHINFY	1
14.	INFOSYS	3
15.	KAAR TECHNOLOGIES	1
16.	L&T INFOTECH	2
17.	MIND TREE	1
18.	NTT DATA	1
19.	RENAULT NISSAN	3
20.	SITEL	1
21.	SOLARTIS TECHNOLOGY SERVICE PVT LTD	2
22.	SUTHERLAND GLOBAL SERVICES	28
23.	TATA COMMUNICATIONS	3
24.	TCS NINJA	11
25.	THINKSYNQ SOLUTIONS	2
26.	WIPRO	1
27.	ZOHO CORPORATION	4
<b>Total No of Students Placed</b>		90

**UG STUDENTS:**

S.No	Name of the students	Name of the company	S.No	Name of the students	Name of the company
1	KESHAVA RAMAN V M	ACCENTURE	46	SANTHANU C	SUTHERLAND GLOBAL SERVICES
2	NAVEEN R	ACCENTURE	47	SHARAN P	SUTHERLAND GLOBAL SERVICES

3	RAGHURAM B	ACCENTURE	48	VIGNESH B	SUTHERLAND GLOBAL SERVICES
4	RAVEENA R	ACCENTURE	49	ABHINAVSAN E	SUTHERLAND GLOBAL SERVICES (NON VOICE)
5	SANJANA S	ACCENTURE	50	AKHILESH S P	SUTHERLAND GLOBAL SERVICES (NON VOICE)
6	SANTHOSE E	ACCENTURE	51	BALAMURALIKRISHN AN P	SUTHERLAND GLOBAL SERVICES (NON VOICE)
7	SIVANEE SS	ACCENTURE	52	DEVADHARSHINI J	SUTHERLAND GLOBAL SERVICES (NON VOICE)
8	SREERAM M	ACCENTURE	53	FAIZUL RAHMAN A R	SUTHERLAND GLOBAL SERVICES (NON VOICE)
9	SHIVADHARSHAN M	ATOS GLOBAL IT SOLUTIONS	54	INDUJA U	SUTHERLAND GLOBAL SERVICES (NON VOICE)
10	NAVEEN B	BRAKES INDIA	55	KOTHANDARAMAN P	SUTHERLAND GLOBAL SERVICES (NON VOICE)
11	RAVI R	BYJU'S LEARNING	56	KOUSHIKA PREETHI A	SUTHERLAND GLOBAL SERVICES (NON VOICE)
12	ROSHINI PRIYAA G	BYJU'S LEARNING	57	KOWSHIK GANESHRAM J	SUTHERLAND GLOBAL SERVICES (NON VOICE)
13	YUVA SHREE N	CAPEGEMINI TECHNOLOGY SERVICES	58	MAHESWARAN T	SUTHERLAND GLOBAL SERVICES (NON VOICE)
14	CHANDRU G	COGNIZANT	59	MUBARAK RAJA M	SUTHERLAND GLOBAL SERVICES (NON VOICE)
15	NANDHA KUMAR R	COGNIZANT	60	POOJA R	SUTHERLAND GLOBAL SERVICES (NON VOICE)
16	VISHAL S V	COGNIZANT	61	PREMESHANKAR M	SUTHERLAND GLOBAL SERVICES (NON VOICE)
17	NANDHINIEE K	DUCEN IT	62	SHIVADHARSHAN M	SUTHERLAND GLOBAL SERVICES (NON VOICE)
18	YUVARAJ S	ECON SYSTEMS	63	SHIVANI A	SUTHERLAND GLOBAL SERVICES (NON VOICE)
19	BHARATHI KANNAN S S	EMBED UR SYSTEMS	64	SHOUMIK SIVAM J	SUTHERLAND GLOBAL SERVICES (NON VOICE)



20	SHIVANI A	HCL TECHNOLOGIES	65	SIVANESAN AR	SUTHERLAND GLOBAL SERVICES (NON VOICE)
21	KOWSHIK GANESHRAM J	HCL TECHNOLOGIES	66	VIDHYA LAKSHMI P	SUTHERLAND GLOBAL SERVICES (NON VOICE)
22	SANKAR NARAYANAN K	HCL TECHNOLOGIES	67	GOPALAKRISHNAN V	SUTHERLAND GLOBAL SERVICES (NON VOICE)
23	SRIRAM R	HCL TECHNOLOGIES	68	SANKAR NARAYANAN K	SUTHERLAND GLOBAL SERVICES (NON VOICE)
24	SIVANESAN AR	HCL TECHNOLOGIES	69	AKSHARA	TATA COMMUNICATIONS
25	VYSHNAVEE VIJAYAN	HEXAWARE TECHNOLOGIES	70	ASHWATA M	TATA COMMUNICATIONS
26	KESHAVA RAMAN V M	INFOSYS HACKWITHINFY	71	KEERTHANA C	TATA COMMUNICATIONS
27	ILAKKIYA U	INFOSYS LIMITED	72	AKASH HARI B	TCS NINJA
28	KOWSHIK GANESHRAM J	INFOSYS LIMITED	73	ARJUN SAI CHANDRA B	TCS NINJA
29	PREMSHANKAR M	INFOSYS LIMITED	74	BALAJI M	TCS NINJA
30	POOJA R	KAAR TECHNOLOGIES	75	CHANDRU G	TCS NINJA
31	VIGNESH V	L&T INFOTECH	76	GHOKUL S L	TCS NINJA
32	PREMSHANKAR M	L&T INFOTECH (CODING)	77	KESHAVA RAMAN V M	TCS NINJA
33	SASIKUMAR S	MIND TREE	78	KISHORE M	TCS NINJA
34	INDUJA U	NTT DATA	79	NAVEEN B	TCS NINJA
35	DIVYA SAI SUDHA P	RENAULT NISSAN	80	PARTHASARATHI M	TCS NINJA
36	GOWRI SHANKAR R	RENAULT NISSAN	81	VENKATESH R	TCS NINJA
37	NIRANJANA S	RENAULT NISSAN	82	VISHAL S V	TCS NINJA
38	ASHWIN KUMAR S	SITEL	83	AGATHIYAN M V	THINKSYNQ SOLUTIONS

39	SANTHANU C	SOLARTIS TECHNOLOGY SERVICE PVT LTD	84	VETRIVELAN P	THINKSYNQ SOLUTIONS
40	SHOUMIK SIVAM J	SOLARTIS TECHNOLOGY SERVICE PVT LTD	85	RAJAHAMSA R	WIPRO
41	ARUNDHATHI A	SUTHERLAND GLOBAL SERVICES	86	GOWTHAM M	ZOHO CORPORATION
42	ASHWATHA M	SUTHERLAND GLOBAL SERVICES	87	KOUSHIKA PREETHI A	ZOHO CORPORATION
43	ASHWIN KUMAR S	SUTHERLAND GLOBAL SERVICES	88	PREM SHANKAR M	ZOHO CORPORATION
44	DIVYA SAI SUDHA P	SUTHERLAND GLOBAL SERVICES	89	SANKAR NARAYANAN	ZOHO CORPORATION
45	PRANAV PS	SUTHERLAND GLOBAL SERVICES			

### PG STUDENTS:

S.No	Name of the students	Name of the company
1	KALAIARASI.M	E-HANDS ENERGY

## GALLERY



**SHREENITHI.V IV-EEE-B**



**PRIYANKA.S II-EEE**