



NATIONAL ENGINEERING COLLEGE

(AN AUTONOMOUS INSTITUTION, AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

K.R.NAGAR, KOVILPATTI -628 503



EEE

NEWSLETTER

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Dear Buddies,

"Life always has the best teacher disguised as experience"

January-JANA implies a new birth.

People always love trying something new into track

New places for vacation

New food for delight

New attire for festivals

New desire, new resolution in every new year.

We always perceive something new and exciting in every door of life. Seasons, people, love, academics never make a difference .Only the person with new thoughts and perseverance can bring a difference.

"Experience to achieve more"

Take up challenges!!!

"Head or Tail

Smart work never fails"

We as "**JANA MEMBERS**" have decided to sow fresh thoughts in your aspiring mind. This newsletter is to celebrate the winners and participants who have given their utmost effort. Keep cheering us with your valuable feedbacks.

Happy Reading...!!!!

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STAFF ACTIVITIES/PUBLICATIONS/ACHIEVEMENTS

ACTIVITIES:

S.No.	Name of the Staff	Events/Guest Lecture	Topic/Event	Date	College/ Industry
1.	Mrs. S. Kanaga Lakshmi Asso. Prof. / EEE	GIAN Course	Modeling Predictive control theory and its applications	29.01.2018 to 02.02.2018	Indian Institute of Technology, Madras
2.	Mr. R. Muniraj AP(SG)/EEE				

STAFF/STUDENTS PUBLICATIONS:

- Arun Ram Prasath Ramaian Thirugnanam, **Willjuice Iruthayarajan Maria Siluvairaj** and Radha Karthik, “Performance studies on dielectric and physical properties of eco-friendly based natural ester oils using semi-conductive nanocomposites for power transformer application”, IET Science, Measurement & Technology, doi: 10.1049/iet-smt.2017.0467 – **Impact factor: 1.263**
- **M.Gengaraj, Dr.L.Kalaivani, M.Krishnashini, I.Anjana, K.Koodammal and S.Divyapriithi**, “A Comprehensive Study of Multilevel Inverter fed Switched Reluctance Motor for Torque Ripple Minimization with Multicarrier PWM Strategies”, 4th International Conference on Electrical Energy Systems (ICEES – 2018) at SSN College of Engineering and technology, on 7th 8th Feb 2018.
- **K.Gowthami, J.Jesina, S.Maheswari, T.Manonmani and M.Maragathalakshmi**, “The Safety Assistant: LPG Leakage Detection & Automatic Valve Closing With Emergency Alert System”, 4th International Conference on Electrical Energy Systems (ICEES – 2018) at SSN College of Engineering and technology, on 7th 8th Feb 2018.

- **Vigneshwaran B, Gopinath S & Saravanan J and Dr.Willjuice Iruthayarajan M, “Investigation of Electrical characteristics of Dielectric fluids using 3D Finite Element Method”, 4th International Conference on Electrical Energy Systems (ICEES – 2018) at SSN College of Engineering and technology, on 7th 8th Feb 2018.**
- **Kumar K ,Vishnu Priya K and Sreevidya Chidambara Vadivoo T, “Investigation Of Flashover Performance on 22kV RTV Coated Bushing Under Non-Uniform Coastal Pollution”, 4th International Conference on Electrical Energy Systems (ICEES – 2018) at SSN College of Engineering and technology, on 7th 8th Feb 2018.**
- **Kanika.S, R.Muniraj and M. Sivapalanirajan, “Time response analysis of SISO system with a choice of controller configuration in LABVIEW platform”, 2nd International conference on inventive systems and control, JCT college of Engineering and Technology, January 19-20, 2018.**
- **T.Selvakumar, M.Sathish Kumar and S.Arun Kumar, “Hybrid Engine” Proceedings of the 4th International Conference on Electrical, Electronics. Instrumentation and Computer Communication (E²IC²), Karpagam college of Engineering and Technology, Coimbatore on 19th and 20th January 2018.**
- **T.Selvakumar I.Ramesh moorthi and G.viswanath, “Device for Visionless Peoples”, Proceedings of the 4th International Conference on Electrical, Electronics. Instrumentation and Computer Communication (E²IC²),, Karpagam college of Engineering and Technology, Coimbatore on 19th and 20th January 2018.**
- **Mr.P.Samuel Pakianathan, Dr.R.V.Maheswari and Dr.M.Willjuice Iruthatarajan, “Analysis of significant parameters of miscellaneous insulating fluids with antioxidants”, IEEE International Conference, Karpagam College of Engineering , Coimbatore. – Accepted for Publication**

DEPARTMENT ACTIVITIES

SPECIAL INTEREST GROUP

EMBEDDED SYSTEM

Date: 06.01.2018

An introduction to “**IMAGE PROCESSING**” was given by **Mr.N.B.Prakash, Associate Professor/EEE** at Hall No.H6 for Special Interest Group (SIG) members.

Mr.N.B.Prakash, Associate Professor/EEE, gave an introduction to Image Processing and its applications. The concepts and implementations of image processing were discussed. He explained briefly about sampling, quantization and face recognition. And also about finger print (biometric) and identifying morphing image using image processing techniques.



The session was started by 10.00 AM and completed by 12.30 PM. Totally 26 students from third year (A&B) were participated and got the relevant information about technology updation from our Embedded System SIG.

POWER ELECTRONICS & DRIVES

Date: 06.01.2018

A seminar on “Simulation of Converters” was conducted on 06.01.2018 by **Mr.M.Gengaraj, Assistant Professor /EEE** at Hall No.3 for Special Interested Group (SIG) members. The objectives of the session are:

- Simulation of converters in MATLAB/Simulink Platform.
- Calculating simulation parameters for the converter.
- Recent PWM techniques used in multi level inverters.

Initially he started with the application of power electronic converters/ inverters in the field of drives, renewable energy systems and power system. Then he illustrated the comparison of conventional drives and with recent drives and he gave a brief explanation about role of power electronics in industries. Then he demonstrated the converter design using MATLAB simulation and elaborated how to calculate the parameters for the converter design. And then the SIG members had hands on training at new computer lab.

FUZZY LOGIC CONTROLLER

Date: 06.01.2018

A seminar on “Fuzzy Logic Controller” was conducted on 06.01.2018 by **Dr.S.Kanagalakshmi, Associate Professor / EEE** at C & I lab for Control & Instrumentation Special Interest Group (SIG) members.

The objectives of the session are:

- Advantages of Intelligent controller
- Implementation of FLC in MATLAB Tool box

The session started with the overview of intelligent controller and brief introduction about Fuzzy logic controllers. Then discussed about the concepts and steps involved with designing of Fuzzy logic controller.

Guidelines related to the different components are introduced .The formulations of fuzzy sets, input – output mapping and Takagi-Sugeno, Membership functions includes triangular, Gaussian, linguistic term are explained. The logics behind the formulation of if-then rules are explained.

The level controller for single tank process has taken as example. The Number of inputs and outputs, the number of membership functions, their overlap and width for single tank system are calculated to design fuzzy logic controller. The operation of inference engine and method to frame the rules are explained. The methods of defuzzification are explained. Based on the rule table, the output of fuzzy logic controller is obtained. Hands on training were given to the students to use FLC in MATLAB tool box.

The simulation a study of single tank system is obtained in MATLAB 2014. The performance of single tank system is analyzed to formulate the fuzzy sets. The input-output mapping and control elements are identified. Universe of discourse is defined for input and output. The fuzzy sets and the corresponding membership function shape are determined and linguistic term is created in fuzzy tool box. The rule table is framed and validated with different input values in tool box. The rule table and membership functions are iterated until the performance of the system is satisfactory.



The session was started by 10.00 AM and completed by 12.30PM. Totally 10 students from third year were participated and got the relevant information about the FLC and showed their interest to do projects using FLC.

POWER SYSTEM ENGINEERING



The objectives of the session are:

- To give an outline about economic load dispatch and its importance in power systems.
- To know the mathematical modeling of economic load dispatch problem with various constraints.
- To understand how to program the economic load dispatch problem in MATLAB.

The Sessions were handled by *Ms. S. Balakiruthiha, Assistant professor/EEE.*

Session-I (10.00AM – 11.15PM)

A general introduction about economic load dispatch problem was done in the Session I. The topics in the session covers,

- Basic outline of economic load dispatch problem.
- Mathematical modeling of economic load dispatch problem with respect to various equality constraints (System load demand) and inequality constraints (Lower and upper economic limits of each generating unit) with and without considering transmission network losses.

Session-II (11.30AM – 12.30PM)

The session II was continued after a 15minutes break around 11.30AM. The topics in this session covers,

- Problem Solving methods using Lambda Iteration Methods
- Problem Solving methods using Lambda Iteration Methods through MATLAB Programming

POWER ELECTRONICS & DRIVES**Date: 20/01/2018**

The Special Interest Group on “Power Electronics & Drives” was held on 20/01/2018 H3 hall for Special Interested Group (SIG) members. Around 6 members attended the session.

The session was handled by **Ms.MohanaLatha. P, AP/EEE** on the topic “Simulation of Controlled Rectifier with R, RL, and RLE load using MATLAB”. She discussed the difference between controlled and uncontrolled rectifier and its applications.

Simulation of controlled rectifier with R, RL, and RLE load was shown. And also variation of output voltage with respect to firing angle was shown. Usage of Pulse Generator block in MATLAB/SIMULINK was discussed.



- At first the need to move towards deregulated power market was discussed.
- The basic functions and operations carried out in deregulated market were explained.
- The tariff such as single part tariff, two part tariff and Availability Based Tariff (ABT) was explained.
- Then the main role of frequency in ABT and its effectiveness in deregulated power market was briefly explained

The session was started by 10.00 AM and completed by 12.30 PM. Totally 9 students from third year were participated and got the relevant information.

**POWER SYSTEM****Session - (10.00 AM – 12.30 PM) (20.01.18)**

The session was started by 10.00 AM and completed by 12.30 PM. Totally 11 students from third year were participated.

A lecture on “*Deregulated power market*” was conducted on 20.01.2018 by **Ms.O.Supriya, Assistant Professor /EEE** at Class Room H4 for Special Interested Group (SIG) members.

EMBEDDED SYSTEM

An introduction to “**IMAGE PROCESSING**” was given by **Mr.N.B.Prakash, Associate Professor/EEE**, on 06.01.2018 and further continuation on the topic “**Image Segmentation**” was given by him on 20.01.2018 at Hall No.H6 for Special Interest Group (SIG) members.

Mr.N.B.Prakash, Associate Professor/EEE, started the presentation with the questions related to the previous presentation held on 6.1.18. Then, he explained about Image Segmentation and techniques used for segmentation. He concluded the session with real time applications of segmentation and advancements in the present scenario.



The session was started by 10.00 AM and completed by 12.30 PM. Totally 21 students from third year (A&B) were participated and got the relevant information about technology updation from our Embedded System SIG.

HIGH VOLTAGE ENGINEERING

A lecture on “*Modeling of Insulators*” was conducted on 20.01.2018 by Ms.S.Divya, Assistant Professor /EEE at Class Room H5 for Special Interested Group (SIG) members. The objectives of the session were:

- The problems of pollution on insulators
- Necessity and Calculation of ESDD value
- Mathematical model of Insulators
- Recent ongoing research on modeling of insulators.

Initially she gave a brief introduction about the necessity and role of insulator in Electrical Power System. Then she discussed about the types, material, physical parameters and withstand voltage of insulators and explained the purpose of mathematical modeling. After that she discussed about the recent trends & ongoing research in Insulator’s Model. She suggested some of the area in Solid Dielectric for IV year project.

The session was started by 10.00 AM and completed by 12.30 PM. Totally 9 students from third year were participated and got the relevant information.

CONTROL AND INSTRUMENTATION

Date: 20.01.2018

EEE department Control and Instrumentation Special Interest Group (SIG) conducted a technical seminar on the topic “**TUNING OF PID CONTROLLER USING ZEIGLER NICHOLS TECHNIQUE**” on 20th January 2018 in the EEE department, Control and Instrumentation Laboratory. The resource person for the program was **Ms. E.Anitha AP/EEE**.

She gave a brief introduction about PID controller and it’s effects. Students were given the transfer function of BLDC motor. They found the stability of the system by Routh-Hurwitz stability criteria. She explained about the Zeigler Nichols technique.

The students calculated the K_p , K_i and K_d values for the PID Controller using Zeigler Nichols technique and designed the PID controller. They were taught to employ the transfer function of motor driver to gain knowledge about the response of the system. MATLAB software was provided for the students to simulate the system.

8 number of prefinal year students of EEE attended the seminar for updating the knowledge in Controller Tuning. The technical seminar was concluded with the discussion of students and the resource person.

SOCIAL AWARENESS CELL



As a part of Social Awareness cell of EEE department an awareness camp was conducted for **AV Higher Secondary School, Kovilpatti** on **31.01.2018** in the topic “Electricity usage, conservation and safety”. The program was started with welcome address given by Venkatesh (final year B). Followed by that the session was started by **K.Kumar, Asst Prof/EEE** with the comparison of renewable and non renewable energy sources and method of thermal power generation. Then he explains the advantages and disadvantages of thermal power plant like,

Advantages:

- Fuel cost of thermal power plant is relatively low.
- We can produce thermal energy almost everywhere in the world.
- Heat production System is simple compared to other system.
- Overall system cost effective.
- Easy mechanism.

Disadvantages:

- Huge production of Carbon-di-oxide (CO₂) in the atmosphere.
- Exhausted gases harms outside environment badly.
- Low overall efficiency.

Following the session Dr.M.Ravindran, Asso. Prof(SG) explained the need of renewable energy sources and safety aspects to handle electricity. Final year and third year students play drama related to electricity conservation and safety. Also they put video demonstration to deliver the content to the people. The session was coordinated by **Dr.M.Ravindran, Asso. Prof(SG)/EEE, Mr.K.Kumar, Asst prof/EEE, Mr.Subburaj**, technician along with lateral entry and NCC volunteers. Around 120 members attend the program and got benefited.

PLACEMENT DETAILS

MBIT
WIRELESS



POWERING MOBILE BROADBAND

On behalf of the Chairman, Managing Director, Director, Principal, Head of the Department and staff members, we heartily congratulates the final year student **Mr. Prakash.P.R and Prabhu.S** who placed in **M/s. MBit Wireless Private Ltd., Chennai, M/s. Sankalp Semiconductor Private Ltd., Bengaluru, M/s. Apptivo Software Private Ltd., Madurai, M/s. SureSoft systems Private Ltd., Pondicherry and M/s. Rising Star Mobile Private Ltd., Chennai** Campus drive in our campus during the month of December 2017 & January 2018.

M/s. MBit Wireless Private Ltd., Chennai



Mr.NarainKrishna.R

M/s. Sankalp Semiconductor Private Ltd., Bengaluru



Ms. Tamarasi.P

M/s. Apptivo Software Private Ltd., Madurai



M/s. SureSoft systems Private Ltd., Pondicherry



M/s. Rising Star Mobile Private Ltd., Chennai



- To be Continued

ALUMNI DETAILS

Dr. S.Arumugom, Principal, AR College of Engineering and Technology obtained his B.E. Degree in EEE from Manonmaniam Sundaranar University (**National Engineering College**) **Batch: 1995-1999**, M.E. Degree in Power Systems from Annamalai University and Ph.D in Electrical Engineering from Anna University Chennai. He is specialized in the area of Electrical Engineering, Power systems, Power Quality and Soft Computing Techniques. Formerly he has served as Lecturer, Assistant Professor and Head of Department of EEE at Sun College of Engineering and Technology, Tamilnadu, Professor at Glasgow Caledonian University, Sultanate of Oman and Associate Professor and Head of Department of EEE at Udaya School of Engineering, Tamil Nadu. Presently he is working as Principal in ARCET, Kadayam. He is having more than 18 years of experience in Teaching, Research, Industries, Engineering Consultancy Services and Educational administration. He has attended various AICTE, IIT sponsored Faculty Development Programs, Seminars and Workshops. He has delivered several invited Technical Lectures to students and teachers in various Engineering colleges. He has served as Chair in various Conferences and Symposiums. He has published and presented more than 35 Technical papers and Research articles in both National and International Journals and Conferences. He is life member with active participation in various organizations like Indian Society for Technical Education (ISTE), Institute of Electrical and Electronics Engineers (IEEE), International Association of Engineers (IAENG), International Society of Electronics and Electrical Engineers (ISEEE). He is serving as Technical Reviewer in reputed International Journals like Elsevier, Taylor & Francis Online, Korean Institute of Electrical Engineers (JEET), International Knowledge press etc.



Due to the rapid technological revolution, globalization and privatization, the world has become a comprehensive community. The corporate now desires the skilled personnel and not mere subject experts. Students should possess professional skills like problem solving, decision making, creativity and good communication ability besides technical expertise. Education enables a person to face new challenges, excellent progress and lead to a successful life. Besides the technical competence, students shall ethically imbibe moral values to transform themselves into responsible citizens and shall look for innovative programs involving social and environmental issues.

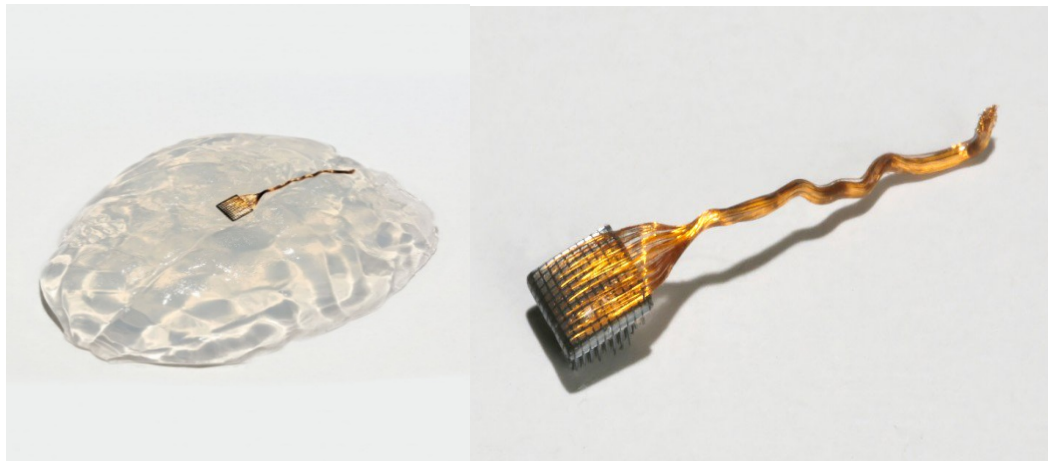
The main focal of the Institution is to empower students with sound knowledge, good perception, expertise and training both at academic level of Engineering and in highly competitive worldwide industrialized market.

*Dr. S.ARUMUGOM M.E., Ph.D.,
Principal/ AR College of Engineering and Technology, Kadayam.*

STUDENT ARTICLES

REVERSING PARALYSIS

In recent years, lab animals and a few people have controlled computer cursors or robotic arms with their thoughts, thanks to a brain implant wired to machines. Now researchers are taking a significant next step toward reversing paralysis once and for all. They are wirelessly connecting the brain-reading technology directly to electrical stimulators on the body, creating what Courtine calls a “neural bypass” so that people’s thoughts can again move their limbs.



His team had used a blade to slice halfway through the animal’s spinal cord, paralyzing its right leg. Now Courtine wanted to prove he could get the monkey walking again. To do it, he and colleagues had installed a recording device beneath its skull, touching its motor cortex, and sutured a pad of flexible electrodes around the animal’s spinal cord, below the injury. A wireless connection joined the two electronic devices.

The result: a system that read the monkey’s intention to move and then transmitted it immediately in the form of bursts of electrical stimulation to its spine. Soon enough, the monkey’s right leg began to move. Extend and flex. Extend and flex. It hobbled forward.

Hence an astounding future is waiting for the paralyzed to re-enter their world once again.

By,
L. Raechel Annisha Angel
Final yr B

The Cell Atlas



In 1665, Robert Hooke peered down his microscope at a piece of cork and discovered little boxes that reminded him of rooms in a monastery. Being the first scientist to describe cells, Hooke would be amazed by biology's next mega-project: a scheme to individually capture and scrutinize millions of cells using the most powerful tools in modern genomics and cell biology.

The objective is to construct the first comprehensive "cell atlas," or map of human cells, a technological marvel that should comprehensively reveal, for the first time, what human bodies are actually made of and provide scientists a sophisticated new model of biology that could speed the search for drugs.

To perform the task of cataloguing the 37.2 trillion cells of the human body, an international consortium of scientists from the U.S., U.K., Sweden, Israel, the Netherlands, and Japan is being assembled to assign each a molecular signature and also give each type a zip code in the three-dimensional space of our bodies.

By,

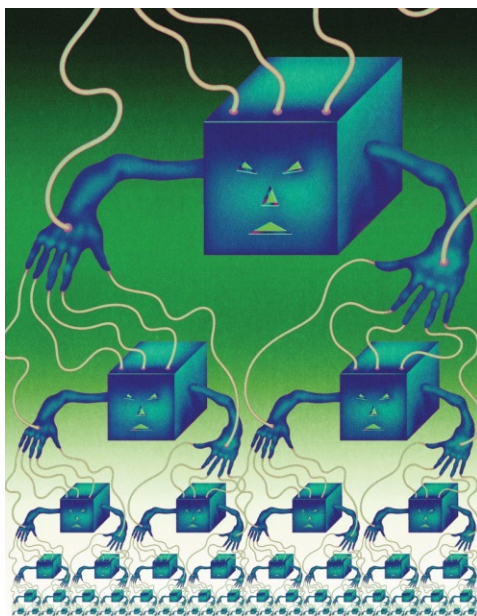
G. Ponmala,

Final yr –B.

BOTNETS of THINGS

“The relentless push to add connectivity to home gadgets is creating dangerous side effects that figure to get even worse.”

Botnets have existed for at least a decade. As early as 2000, hackers were breaking into computers over the Internet and controlling them en masse from centralized systems. Among other things, the hackers used the combined computing power of these botnets to launch distributed denial-of-service attacks, which flood websites with traffic to take them down.



But now the problem is getting worse, thanks to a flood of cheap webcams, digital video recorders, and other gadgets in the “Internet of things.” Because these devices typically have little or no security, hackers can take them over with little effort. And that makes it easier than ever to build huge botnets that take down much more than one site at a time.

The best defense would be for everything online to run only secure software, so botnets couldn’t be created in the first place. This isn’t going to happen anytime soon. Internet of things devices are not designed with security in mind and often have no way of being patched. The things that have become part of Mirai botnets, for example, will be vulnerable until their owners throw them away. Botnets will get larger and more powerful simply because the number of vulnerable devices will go up by orders of magnitude over the next few years.

By,

S. Ranjitha

Final yr- B

TECHNICAL ARTICLE BY STAFF MEMBER**J VINOTHA, AP/EEE****The Role of Tunable Lighting in the LED Revolution**

In concert with the solid-state lighting revolution, the world of commercial lighting is steadily transforming from systems with static output to highly flexible and versatile systems. These new control capabilities offer dramatic new opportunities in how lighting is designed and used, with significant benefits to owners of commercial buildings. In particular, solid-state lighting offers the largely novel capability to tune color output, which will play a significant part in the LED revolution. The large majority of traditional commercial lighting systems, including fluorescent and high-intensity discharge (HID), are operated with a static light output. Control is largely limited to On/Off. Although dimming of fluorescent and HID is available, light output instabilities can become problematic during deep dimming.

In fluorescent lamps, the color of the produced light is largely determined by an internal phosphor coating; therefore, control of a fluorescent lamp's output color characteristics is not practical. While these traditional sources may be On/Off switch, occupancy sensor applications having frequent On/Off switching can reduce fluorescent lamp life, with the most extreme effect seen in lamps operated by popularly used instant-start electronic ballasts. Switching of HID is even more problematic, as the lamp requires a relatively long Off-time for restrike as well as a warm-up period to achieve full brightness once turned Off. Although controlling the color of light produced by traditional light sources has not been practical, this has not stopped end users from seeking it. In lighting design, lighting's color is typically characterized by two metrics. The first is correlated color temperature (CCT), which expresses the shade of white light as compared to a body that is thermally heated to a temperature (in degrees Kelvin) ranging from a low/warm (<3000K) to neutral (around 3500K) to a high/cool (>4000K). The other is the color rendering index (CRI), which expresses how closely a light source renders colors as compared to an ideal or natural light source (e.g. – the sun).

Varying lighting's CCT and CRI can dramatically impact how space, its contents, and its occupants appear and/or are perceived. Additionally, one's mood and emotion can be impacted by the lighting's color characteristics. Color output can be controlled to a small extent with fluorescent lamps, but the solutions are limited in flexibility and can impose a significant cost. To change the shade of white (e.g., from a warm 3000K to a cool 4000K), the owner would have to change the lamp, add a color filter to the luminaire, or separately control arrays of warm and cool CCT lamps. The advent of solid-state lighting, notably light-emitting diodes (LEDs), offers significant control possibilities, including color. The LED can be frequently switched with no penalty to service life. Many LED luminaires are available with 0-10V dimming as a standard

driver feature. A well-designed LED driver and controls can deliver smooth, continuous dimming across a wide range, though good practice still requires assurance of compatibility/proper selection of LEDs, driver and control components to ensure stable operation (i.e., no flicker). Because dimming reduces LED junction temperature, it can increase LED service life.



Additionally, because LEDs are digital devices, they are inherently compatible with intelligent lighting controls. Such controls offer the opportunity to design lighting systems in which each luminaire in an installation is individually addressable, programmable and/or able to be networked/connected. Additionally, individual and/or arrays of LEDs can be separately controlled, thereby enabling luminaires to have variable light output distributions without moving parts. Via a computer, computer tablet or smartphone device, such a lighting solution enables the user to select desired lighting schemes at will for a given space. Further, with appropriate LEDs, the color of the luminaire's light output could be adjusted/controlled. Control of LED lighting's color is achieved by combining separately dimmable arrays of warm and cool CCT LEDs; by color mixing arrays of red, green, blue and amber LEDs; or by adding separately dimmable colored LEDs to white (phosphor-converted) LEDs.

These arrays are in turn controlled by a master controller using a DMX, DALI or another interface. Depending upon the choice of LED configurations, a broad range of CCT and CRI, from saturated reds, blues, greens and yellows to a broad range of "whites" which have a wide range of CCT and/or CRI, can be realized. Various general lighting products are now available that provide manual and/or programmable color tuning; imitate the warm color of incandescent lamps while being dimmed; and/or offer precise color matching between LED products as well

as control capabilities for maintaining constant color output throughout their life. These are important capabilities because, as stated earlier, the color of lighting can dramatically affect the appearance of spaces, people, and objects. In a retail environment, for example, color output is critical to making products (e.g., clothing, vehicles, produce, etc.) appear vibrant and appealing. In a healthcare facility, color output, such as imitating the warm lighting associated with home, can reduce patient stress; it can also be important for health professionals to detect illness (e.g., jaundice). In an office, color can promote social interaction by rendering faces more naturally

STUDENTS ACHIEVEMENTS

PAPER PRESENTATIONS

S.NO	NAME	TITLE OF PAPER	VENUE	DATE
1.	ChermaJeya.K (II-A) Saranya.S (II-C)	Symposium	Bannari Amman Institute of Technology, Erode	24.01.2018
2.	Vavuniya.M (II-C) Kowsalya.S (II-B)	Symposium	Instrumentation Engineers Association, MIT, Anna University, Chennai	25.01.2018 - 26.01.2018
3.	A.M.Kirthika (II-A) MadhuMitha.K (II-B) EswariPrabha.P (II-A) LeelaNivashini.M (II-B)	Symposium	Coimbatore Institute of Technology, Coimbatore	02.02.2018 - 03.02.2018

CONFERENCE

S.NO	NAME	EVENT	VENUE	DATE
1.	ArunKumar.S (III-A) Ramesh Moorthi.I (III-B) Viswanath.G (III-B)	International Conference	Karpagam College of Engineering, Coimbatore	19.01.2018 - 20.01.2018
2.	K.Kanika (III-A)	International Conference	JCT College of Engineering and Technology, Coimbatore	19.01.2018 - 20.01.2018

WORKSHOPS

S.NO	NAME	TOPIC	VENUE	DATE
1.	S.VENETH (IV-B)	Hands-on Training on Programming for IoT	EIE Department, NEC	01.02.2018 03.02.2018
	JothiBasu.M (III-A)			
	Shanmugavel.S.J (II-C)			
	ShunmugaSundaram.K (II-C)			

	Siva Sornaram.R (II-C)			
2.	Veeraputhiran.E (III-B) PrasannaVenketeshan.N (III-B) Aravindhana.R (III-A) Kartheeswaran.M (III-A)	Embedded Systems Workshop	IISc, Bangalore	20.01.2018 - 21.01.2018
3.	G.P.Shiva (III-B)	Workshop-Film Direction	College of Engineering Guindy, Chennai	02.02.2018 - 03.02.2018
4.	Amritha.S (II-A) Aarthylakshmi.M (II-A) Abinaya.P (II-A) Abirami.M (II-A)	Workshop	Anna University Guindy, Chennai	31.01.2018 - 03.02.2018

INTERNSHIPS

S.NO	NAME	EVENT
1.	SRITHARAN.R (IV-B)	Tessolve Semiconductors
2.	MATHANA GOPAL.B (IV-B)	
3.	PREM KUMAR.R (IV-B)	Data Patterns

INDUSTRIAL PROJECT

S.NO	NAME	CLUB	DATE
1.	AJIT KUMAR.G (IV-A)	NHK Springs India Pvt Ltd, Sricity	25.01.2018 - 02.02.2018

EDITORIAL BOARD

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<i>Design Committee</i>	: Sourabi Krishna. T (Prefinal EEE)



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING