

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recognized by Govt of AP, Affiliated to JNTUK, Kakinada)

An ISO 9001 : 2008 Certified Institution

Govt Polytechnic Post, ITI Road, ALC Campus, Near Ramesh Hospital, Vijayawada-8

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Departmental Events for Academic Year 2018-19

(I-SEM)

| S.no | Programme | Event Name | Date of organised |
|------|-------------------------------|---|---|
| 1 | Engineers day | Project Expo | 20 th Sep 2018 |
| 2 | Technical quiz | Quiz | 14 th sep 2018 |
| 3 | Guest Lecture | Guest Lecture on Artificial intelligence,Machine Learning & Data Sciences | 29 th Aug 2018 |
| | | Guest Lecture on Power Quality | 20 th Sep 2018 |
| | | Guest Lecture on Basics of Power System | 20 th Sep 2018 |
| 5 | Workshop | Solar & Smart Energy System | 12 th to 14 th July 2018 |
| 6 | | Internet Of Things | 24 th Sept. to 29 th Sept. 2018 |
| 7 | Industrial Visit | Practical's On Res Lab | 21 st & 27 th august 2018 |
| | | Industrial Visit For 4 th Year | 8 th Sep 2018. |
| | | Industrial Visit For 3 rd Year | 29 th Sep 2018 |
| | | Practical Oriented Programme On Solar Panels For 2 nd | 6 th Sep 2018 |
| 8 | Extension Programs | | 26 th & 29 th June 2018, 2 nd July 2018 |
| 9 | Engineer's Day Celebration | PROJECT EXPO | 20 th Sept. 2018 |

RENEWABLE ENERGY SOURCES LAB @ ALC

The department of Electrical Engineering organized a visit to **RENEWABLE ENERGY SOURCES LAB** at Andhra Loyola College, Vijayawada, on 21st & 27th of August 2018 for the students of II EEE. The objective of this visit is to understand the basic concepts of power generation by solar, wind, and **hydropower** systems. The visit made them look beyond books and provided what classrooms could never have. They were accompanied by Mr. M. Rama Krishna, Asst. Prof., Mr. M. Krishna Mohan, Asst. Prof. and Mr. K. Rajesh Babu, Asst. Prof. who were extremely interactive.

The students stated that the programme highlighted the basic concepts of power generation by renewable energy sources like solar, wind etc. They also learnt about the utilization power generated by renewable energy sources.



EXTENSION PROGRAMS

The aim of the department is to provide a wide range of opportunities so as to allow as many students as possible to discover their talent areas. Through extension programmes we are able to cater for a large number of our students. The students of Department of Electrical and Electronics Engineering conducted an awareness programme session on 26-06-2018 on the **Importance of Time Management, Discipline, Study Skills** and on the biography of **Thomas Alva Edison**.

A team of students went to **SVR Municipal High School,krishnalanka,Vijayawada** on the first day of the program(26-6-2018), on the second day (30-6-2018) they visited **VMRRR Municipal High School,krishnalanka,Vijayawada** and on the third day (2-7-2018) they went to the **APSR Municipal High school,krishnalanka,Vijayawada**. Our students organised the programme at the municipal high schools. Master Y Sai Bhargav (15HP1A0235) initiated the program. Miss. G. D. Gracy (16HP1A0205) gave an inspiring talk on the Biography of Thomas Alva Edison and Master. N.N.S Harsha(15HP1A0225) threw light on **Time Management**, Miss.KPratima (17HP1A0212) enlightened the students on **Study Skills**. Finally, Miss P Suma Sree (17HP1A0219) and K. Yaswanth (17HP1A0255) highlighted the importance of **Discipline** and Self- Motivation. The extension programme was surely worth the time as our students gained wonderful experience in educating the citizens of tomorrow!



WORKSHOPS ATTENDED BY STUDENTS

1. The department of Electrical And Electronics Engineering conducted a three day National Workshop on 12th, 13th&14th July 2018, on **Solar & Smart Energy System** in collaboration with TechTrunk Ventures Pvt. Ltd. Nearly 58 students participated in the workshop. Mr. Siddharth Bhattar, Developer and Trainer, TechTrunk Ventures Pvt. Ltd. was the resource person for this programme.

The objective of this workshop is to provide an opportunity for students to learn and build a project on Solar and Smart Energy using Embedded Systems. This workshop gave an enriching experience to students and provided a practical exposure on solar energy production and application of charging a battery.

సౌరశక్తిపై పరిశోధనలు చేయండి



కార్యశాలను ప్రారంభిస్తున్న సిద్ధార్థ భట్టర్, తదితరులు

భారతీనగర్ (కరెస్పీనగర్), న్యూనీటుడే: భవిష్యత్ తరాలు సౌరశక్తిపైనే ఆధారపడనున్నాయని, విద్యార్థులు ఈ రంగంలో నూతన ఆవిష్కరణలు చేయాలని టెక్ ట్రంక్ వెన్ ఛర్స్ సాంకేతిక నిపుణులు సిద్ధార్థ భట్టర్ అన్నారు. ఆంధ్రా లయోల ఇంజనీరింగ్ కళాశాల ఈఈఈ విభాగం ఆధ్వర్యంలో 'సోలార్ స్మార్ట్ ఎనర్జీ సిస్టమ్స్' అంశంపై మూడు రోజుల కార్యశాల గురువారం ప్రారంభమైంది. రిసోర్సుపర్సన్ గా హాజరైన భట్టర్ మాట్లాడుతూ సౌరశక్తికి వినయోగించే పరికరాల తక్కువ ధరలో ప్రజలకు అందుబాటులోకి తీసుకొచ్చే విధంగా విద్యార్థులు పరిశోధనలు చేయాలన్నారు. ఈ సందర్భంగా పలు ప్రయోగాలు నిర్వహించారు. కళాశాల డైరెక్టర్ పాదర్ ప్రాఫెస్సర్ జేవియర్, సహాయ డైరెక్టర్లు చిరంజీవి, అనిల్ కుమార్, ఈఈఈ విభాగాధిపతి వై.సి.అశోక్ కుమార్, టి.కృష్ణ మోహన్, కె.రాజేష్ పర్యవేక్షించారు.



2. The department of Electrical and Electronics Engineering conducted a National Workshop from 24th Sept. to 29th Sept. 2018, on “INTERNET OF THINGS”, a One Week Certification Program in collaboration with APSSDC. Nearly 25 students participated in the workshop.

The objective of this workshop is to design, create, and deploy an IOT device using Arduino and Raspberry Pi platforms. This specialization covers embedded systems, the Raspberry Pi Platform, and the Arduino environment for building devices that can control the physical world.



కప్పపడి చదివితే ఉత్తమ ఫలితాలు

గుణదల : విద్యార్థులు కప్పపడి చదివితే ఉత్తమ ఫలితాలు సాధించవచ్చని ఆంధ్ర లయోల ఇంజనీరింగ్ కళాశాల ఈ ఈఈ విభాగాధిపతి అశోక్ అన్నారు. ఇంజనీరింగ్ కళాశాల ఆధ్వర్యంలో మూడు రోజులుగా జరుగుతున్న వర్క్ షాపు మాట్లాడుతున్న అశోక్ కుమార్ మంగళవారంతో ముగిసింది. నడస్సుకు ముఖ్య అతిథిగా హాజరైన అశోక్ మాట్లాడుతూ విద్యార్థులు పాఠ్యాంశాలపై పట్టు సాధించేందుకు ప్రయోగాల ఎంతగానో దోహదపడతాయని అన్నారు. ఎలక్ట్రానిక్స్ రంగంలో ఇండస్ట్రీయల్ ఇంటర్నెట్ ఆఫ్ థింగ్స్ ప్రాముఖ్యత ఎంతో ఉందన్నారు. సి లాంగ్వేజ్, ఆర్డినో ప్రోగ్రామింగ్, ఆపరేటివ్ సిస్టమ్స్ తదితర అంశాలపై అవగాహన కల్పించారు. ఆయా అంశాల్లో విద్యార్థులకు పరీక్షలు నిర్వహించి ఉత్తీర్ణులైన వారికి సర్టిఫికేట్లు అందజేశారు. కోఆర్డినేటర్ కృష్ణమోహన్, కరుణాకర్, విద్యార్థులు పాల్గొన్నారు.



GUEST LECTURE on

“Artificial Intelligence, Machine Learning & Data Sciences”

The Department of Electrical and Electronics Engineering has conducted a Guest Lecture on 29th Aug 2018 on “Artificial intelligence, Machine Learning & Data Sciences”. It was delivered by Mr. Santosh Kumar Pandit, Technical Consultant in collaboration with TechTrunk Ventures Pvt. Ltd. for 3rd & 4th year students of EEE. The students stated that the programme was very useful for their technical growth and research oriented projects.

సాంకేతికతను అంది పుచ్చుకోవాలి

భారతీనగర్ (కరెన్సీనగర్), న్యూనెటూడె: ప్రస్తుత పోటీ ప్రపంచంలో పెరుగుతున్న సాంకేతిక పరిజ్ఞానాన్ని అందిపుచ్చుకోవాలని టెక్ ట్రంక్ వెంచర్స్ రిసోర్సు పర్సన్ సతీష్ కుమార్ అన్నారు. ఆంధ్రా లయోల ఇంజనీరింగ్ కళాశాలలో తృతీయ, చివరి సంవత్సరం ఈఈఈ, ఐటీ విద్యార్థులకు ఆర్టిఫిషియల్ ఇంటెలిజెన్స్, మెషీన్ లెర్నింగ్ అంశాలపై అవగాహన సదస్సు జరిగింది. డైరెక్టర్ షాదర్ ప్రాన్సిస్ జేవియర్, ప్రిన్సిపల్ ఓ.మహేష్, ఈఈఈ విభాగాధిపతి వై.సి.అశోక్ కుమార్, ఐటీ విభాగాధిపతి ఎస్. కిషోర్ బాబు తదితరులున్నారు.



Guest lecture on Power Quality

The Department of Electrical & Electronics Engineering organized a Guest lecture on “Power Quality”, delivered by Dr. Y KALYAN KUMAR, D.E., NTPS, on 20th Sept. 2018. The students of 3rd year were present for the lecture. This event was coordinated by Mr. L KARUNAKAR, Asst.Prof.

The session began with concepts concerning long interruptions and short interruptions on power systems, remedies for these interruptions and he explained switching sequence of relay and circuit breaker coordination in distribution systems.

The session ended with a hearty thanks and presentation of a memento to Mr. Y KALYAN KUMAR by Mr. Y. C. Ashok Kumar in appreciation for taking the time off to educate the students on Power Quality.

He appreciated the management for providing a platform to organize guest lectures on innovative technologies. He appreciated faculty members, students volunteers and participants for the successful conduction of the event.

విద్యుత్తు రంగంలో సవాళ్లను అధిగమించాలి

కరెన్సీ నగర్, న్యూఢిల్లీ: విద్యుత్తు రంగంలో ఆధునిక పరిష్కాసం బాగా పెరిగిందని, నూతన ఆవిష్కరణలపై విద్యా ర్థులు దృష్టి పెట్టాలని ఎన్టీడీపీఎస్ ఎగ్జిక్యూటివ్ ఇంజనీర్ వై.కల్యాణ్ అన్నారు. ఆంధ్రా లయోల ఇంజనీరింగ్ కళాశాల ఈ ఈ ఈ విభాగం ఆధ్వర్యంలో ప్రాజెక్టుల ప్రదర్శన సందర్భంగా ఆతిథ్యవ్యూహం బుధవారం జరిగింది. ముఖ్యఅతిథిగా



హాజరైన అయిన మాట్లాడుతూ విద్యుత్తు రంగంలో ఉపాధి అవకాశాలు, పెట్టుబడులు, సవాళ్లను అధిగమించడానికి అనుసరిస్తున్న ఆత్మ్యాధునిక పరిష్కాసాలను వివరించారు. అనంతరం ప్రాజెక్టులను పరిశీలించారు. ఈ ఈ ఈ విభాగాధిపతి వై.సి.అశోక్ కుమార్, లంకా కరుణాకర్ పర్యవేక్షించారు.

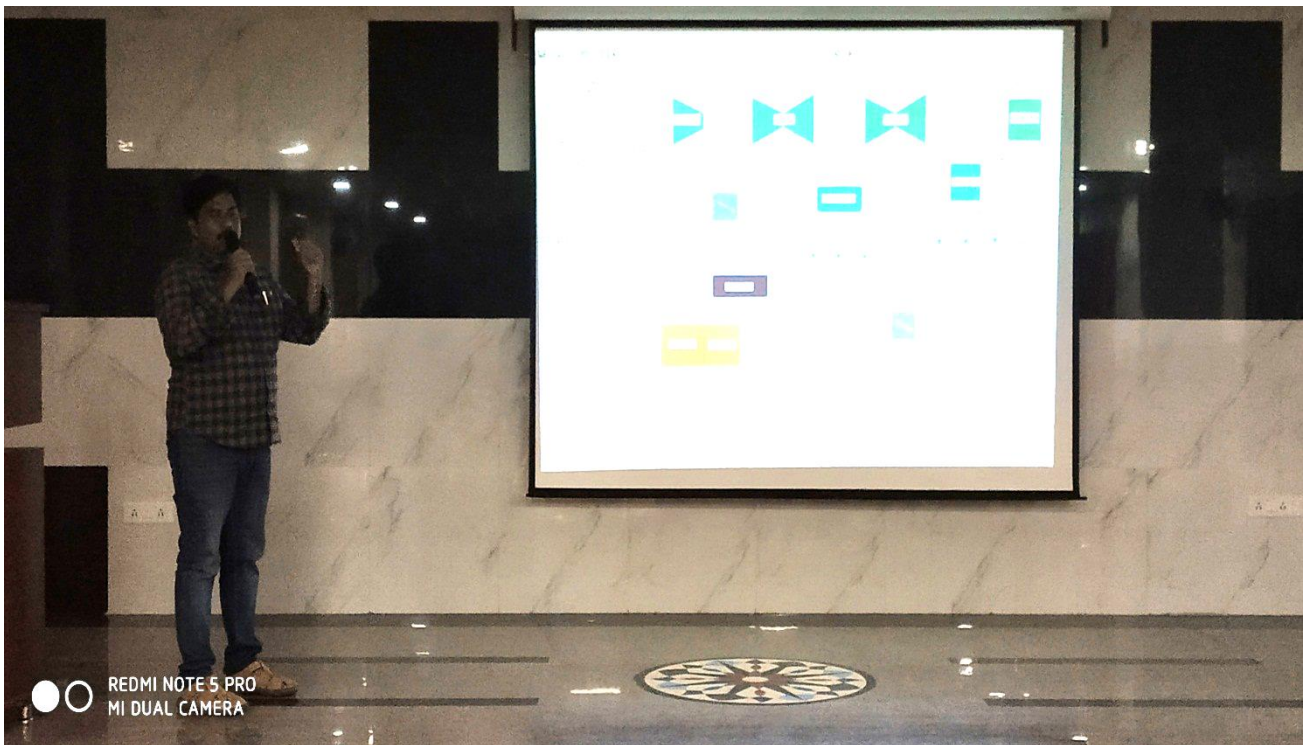
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మాట్లాడుతున్న ఈ ఈ కల్యాణ్



Guest lecture on basics of Power System

The Department of Electrical & Electronics Engineering organized a Guest lecture on “Basics of Power System”. Mr. P SRIKANTH delivered a lecture on the basic structure of a power system network involved in power generation, transmission and power distribution on 20th Sept. New teaching methods like PPT, videos were adopted for delivering the lecture. The seminar was effective and students were immensely benefited. The students of 2nd year attended this event.

They found that this session would be very useful for them in the next semester. This event was coordinated by Mr. L KARUNAKAR, Asst. Prof. The session ended with a hearty thanks and presentation of a memento to Mr. P SRIKANTH by Mr. Y. C. Ashok Kumar in appreciation for taking the time off to enlighten the students on Power systems.



QUIZ

The department of Electrical and Electronics Engineering conducted Technical Quiz competition for 2nd, 3rd and 4th year students on 14th Sept. 2018. The quiz was organized by the faculty in-charge Mr. M. KARUNAKAR and Mr. K. RAJESH BABU.

A total of 150 students registered for the Quiz competition and finally 20 students are shortlisted after conducting written test. The shortlisted students were divided into 5 teams (each consisting of four students) one for each year and the team with the highest score was declared the winner of the contest.

| S. No | Position | Name | Roll Number |
|-------|-----------------|-----------------|-------------|
| 1 | 1 st | P BHAVANI | 15HP1A0201 |
| | | C SAI TEJA | 16HP1A0247 |
| | | K V D SAI KUMAR | 16HP5A0219 |
| | | CH PAUL | 17HP1A0235 |
| 2 | 2 nd | V KARTHEEK | 15HP1A0227 |
| | | P MANOJ KUMAR | 17HP5A0209 |
| | | K. SWAPNIKA | 16HP1A0219 |
| | | P RAVI TEJA | 17HP1A0244 |

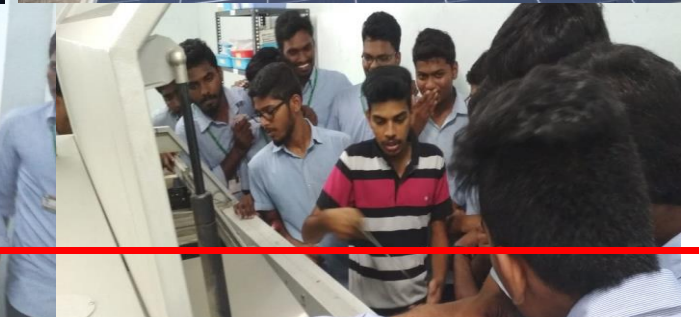


INDUSTRIAL VISITS

1. The Department of Electrical Engineering organized an industrial visit to **KUMAR PUMPS AND MOTORS, Tenali** for 4thYear B.Tech. Electrical students (53) along with 3 faculty members visited the **Industry** on 8th Sept. 2018.

The main purpose of this visit is to make the students understand the generation of power from **BIOMASS** (by-product of sugar extraction from cane stalks). All the students actively participated and gained knowledge about power generation.

2.



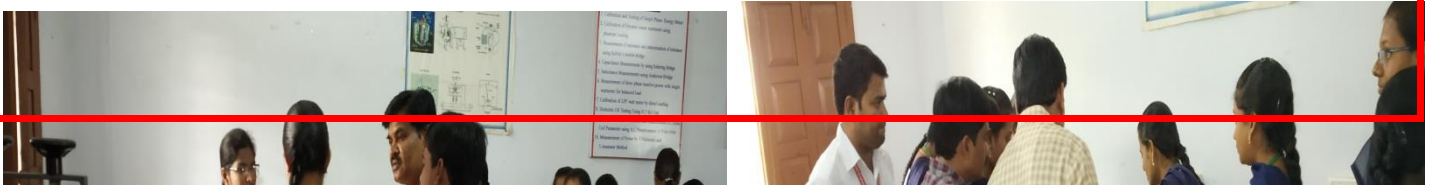
Engineer's Day Celebration (Project Expo)

On the occasion of Engineers Day on 15th September, as a tribute to the greatest Indian Engineer, Bharat Ratna Mokshagundam Visvesvaraya, the department of Electrical and Electronics Engineering organised a “**PROJECT EXPO**” on 20th Sept. 2018 at electrical measurements and power electronics labs. **Mr. G. PAVAN** was the chief guest for this event; the event was coordinated by Mr. L KARUNAKAR.

More than 25 batches have participated in the event. These competitions were an open opportunity for all. Students with the remarkable performances were awarded with

| S. No | Position | PROJECT TITLE | Name | Roll Number |
|-------|-----------------|--------------------------------------|--------------------|-------------|
| 1 | 1 st | TRAFFIC SIGNAL CONTROL USING AURDINO | M SRIDEVI | 16HP5A0204 |
| | | | M MADHAVI LATHA | 15HP1A0205 |
| | | | B MANASWINI SOEMYA | 15HP1A0207 |
| 2 | 2 nd | SOLAR TRCKING | B S MAHESH BABU | 17HP5A0213 |
| | | | P BASKERRAO | 17HP5A0205 |
| | | | V THIRUPATHI RAO | 17HP5A0215 |
| 3 | 3 rd | MIND CONTROL DRONE | CH PAUL | 17HP1A0235 |
| | | | B PRABHU SUSANTH | 17HP1A0236 |

certificates.



Departmental Events for Academic Year 2018-19

(II-SEM)

| S.no | Programme | Event Name | Date of organised |
|------|---------------------------------|--|--|
| 1 | Guest Lecture | Recent Trends And Challenges In Power Industry | 28 th January 2019 |
| | | Necessity Of Automation In Present Scenario | 12 th February 2019 |
| | | Power Quality | 18 th February 2019 |
| 2 | Workshop | Electrical AutoCAD | 12 th , 13 th & 14 th February 2019 |
| | | Applications Of Matlab In Electrical Engineering | 22 nd & 23 rd Feb 2019 |
| 3 | Extension Programs | | 15/12/18 & 18/01/19 |
| 4 | Alumni Meet | | 02 nd February 2019 |
| 5 | Industrial Visit | Industrial Visit For 2 nd Year | 21 st Dec 2018 |
| | | Industrial Visit For 3 rd Year | 28 th Dec 2018. |
| | | Industrial Visit 4 th Year | 12 th February 2019 |
| 6 | Technical quiz | Quiz | 18 th January 2019 |
| 7 | National Conference | ⁴ th National Conference titled Emerging Trends in Electrical Technology – 2019 | 16 th March 2019 |
| 8 | Project Expo | Project Expo-2k19 | 15 th March 2019 |
| 9 | Entrepreneurship Awareness Camp | | 12-12-2018 to 14-12-2018 |

Student's workshop & Guest lecture

The Department of Electrical & Electronics Engineering organized a Guest Lecture on “**RECENT TRENDS AND CHALLENGES IN POWER INDUSTRY**” on 28th January 2019. The guest lecture was delivered by Mr. SHAIK FAIZ MOHAMMED, Assistant executive engineer, A.P TRANSCO. The students of 2nd and 4th year attended for this programme.



విద్యుత్తు తయారీలో సవాళ్లు

కరస్పీనగర్, న్యూస్టుడే : ప్రస్తుతం తెలుగు రాష్ట్రాల్లో విద్యుత్తు శృక్తి ఉత్పాదనలో ఎదుర్కొంటున్న సవాళ్లను విద్యార్థి దశలోనే గుర్తెరగాలని ఏపీట్రాన్స్కో ఇంజనీర్ షేక్ పయాజ్ మహ్మద్ అన్నారు. ఆంధ్ర లయోల ఇంజనీరింగ్ కళాశాల ఈఈఈ విభాగం ఆధ్వర్యంలో సోమవారం 'రీసెంట్ ట్రెండ్స్ అండ్ చాలెంజెస్ ఇన్ పవర్ ఇండస్ట్రీ' అంశంపై ఆయన మాట్లాడారు. విద్యుత్తు ప్రసారాల్లో అవసరాలను ఏవిధంగా అధిగమించాలి, విద్యుత్తు ఉత్పాదక సామర్థ్యాన్ని ఏవిధంగా పెంచుకోవచ్చో విపులీ కరించారు. ఈఈఈ విభాగాధిపతి వై.సి.అశోక్ కుమార్, ప్రెస్నివల్ ఓ.మహేష్విలు విద్యుత్తు రంగంలో ఉద్యోగ అవకాశాలను వివరించారు. విద్యార్థులు అడిగిన ప్రశ్నలకు రిసోర్సుపర్సన్ సమాధానాలిచ్చారు. అధ్యాపకులు తదితరులు పాల్గొన్నారు.



మాట్లాడుతున్న ట్రాన్స్కో ఐఈఈ షేక్ ఫయాజ్

The Department of Electrical & Electronics Engineering organized a Guest Lecture on “**NECESSITY OF AUTOMATION IN PRESENT SCENARIO**” on 12th February 2019. The guest lecture was delivered by Mr. Nitin Acharya, from robokart. The students of 2nd year attended for this programme.



రోబోకార్డ్ సాంకేతికతకు అధిక ప్రాధాన్యం

భారతీనగర్ (కరస్పీనగర్), న్యూస్టుడే: ఆంధ్ర లయోల ఇంజనీరింగ్ కళాశాల ఈఈఈ విభాగం ఆధ్వర్యంలో 'నెసెసిటీ ఆఫ్ ఆటోమేషన్ ఇన్ ప్రెసెంట్ సినారియో' అంశంపై అతిథి పన్యాసం నిర్వహించారు. ముంబయి నుంచి వచ్చిన నితిన్ ఆచార్య మాట్లాడుతూ రోబోకార్డ్ సాంకేతికత ప్రాధాన్య ఆటోమేషన్తో సమయాన్ని, శ్రమను ఏవిధంగా తగ్గించుకోవచ్చో వివరించారు. విభాగాధిపతి అశోక్ కుమార్ పర్యవేక్షించారు.

ఐటీ విభాగంలో... ఐటీ విభాగం ఆధ్వర్యంలో 'వీఎం వేర్-వర్చులైజేషన్' అంశంపై సదస్సు నిర్వహించారు. 1998లో ఐటీ నిపుణులచే రూపొందించిన వీఎం వేర్ తయారు చేసి 2001 నుంచి ఉత్పత్తులను ప్రారంభమయ్యాయి. లైసెన్స్, మైక్రోసాఫ్ట్ విండోస్, మ్యూకెల సాంకేతిక పరిజ్ఞానం ఆవిష్కృతమై విద్యార్థులకు అందుబాటులో వచ్చిందని ఐటీ విభాగాధిపతి కిషోర్ బాబు వివరించారు.



The Department of Electrical & Electronics Engineering organized a Guest Lecture on “**POWER QUALITY**” on 18th February 2019. The guest lecture was delivered by Mr.SIVARAMKUMAR,D.E,A.P GENCO The students of 4th year attended for this programme.



Students of II & III EEE have undergone a one week training programme on basics of **SCADA** conducted on 31/12/2018 to 05/01/19 at V. R. SIDDARDHA ENGINEERING COLLEGE in association with APSSDC. On the last day of the training programme an assessment was conducted to all the participants and all the qualified students were awarded with certificates.

The students expressed that the programme was very helpful for their technical growth and it was the first event that created a platform to do research oriented projects in the field of electrical engineering.

ELECTRICAL AUTOCAD

The department of Electrical And Electronics Engineering conducted a three day National Workshop on 12th, 13th& 14th February 2019, on “**Electrical AutoCAD**” in collaboration with Robokart and innovation cell IIT Bombay. Nearly 59 students from 2nd and 3rd year were participated in the workshop. Mr. Nitin Acharya, was the resource person for this programme.

The objective of this workshop is to provide an opportunity for students to learn Settings and Configuration, Electrical design work flows, Understanding and Wires and Creating Wire Types, Point-to-Point Wiring Drawings, Dol circuit in Auto cad, Components in control panels, Panel Drawings, Contactors. Design of control circuit and power circuit, Hands on practical on contactors, Hands on practical on control circuit. This workshop gave an enriching experience to students and provided a practical exposure on AUTOCAD software



2. Michael Faraday Research Centre, an initiation of the Department of Electrical & Electronics Engineering, organized a two day workshop on APPLICATIONS OF MATLAB IN ELECTRICAL ENGINEERING on 22nd& 23rdFeb 2019. The event was inaugurated at 9.00 A.M. around 50 students from various colleges participated in this workshop.

The Programme divided into 4 sessions (2 sessions per day)

Session 1:

It was led by Mr. T. Krishna Mohan, Asst. Prof of ALIET. He delivered a lecture on the following topics.

- Introduction to Matlab
- Simulink tool boxes
- Power Electronics Drives

Session 2:

It was led by Mr. M. Karunakar, Asst. Prof., ALIET. He enlightened the students on the following topics.

- R,L,C elements
- Construction of electrical circuits by using RLC
- Problems on dependent and independent sources
- Basic Example in Single Phase and Three Phase circuits

Session 3:

During session 4 the following topics were covered by Mr. L. Karunakar, Asst. Prof, ALIET

- Single Machine System
- Fault Current Calculation
- Examples

Session 4:

Mr. K. Rajesh Babu, Asst. Prof. ALIET, highlighted the following areas.

- Introduction to Electrical Machines
- Modelling of DC & AC Machines
- Examples

This workshop will also provide hands on experience with MATLAB software starting from basics to the end of designing a circuit”.





REPORT OF ALUMNI MEET-2019

The second alumni Meet, ReUnir-2018, was inaugurated by Department of electrical & electronics engineering on 02nd February 2019. Director **Rev. Fr. Dr. A. Francis Xavier S.J.**, graced the occasion with his presence. The alumni students were invited to attend the Alumni Meet through Invitation letters/invitation cards/emails.

The meet started traditionally with the lighting of lamp and was followed by the prayer song.



The occasion was graced by more than 30 Alumni students, teaching and non-teaching staff and 2nd year students. In response, few of the alumni shared their experience as well as interesting moments of campus life to the audience.



As a part of entertainment program, funny games were organised for the audience and prizes were distributed.



పూర్వ విద్యార్థుల ఆత్మీయ కలయిక



అధ్యాపకులతో పూర్వ విద్యార్థులు

భారతీనగర్ (కరెస్పీనగర్), న్యూస్టుడే: ఆంధ్ర లయోల ఇంజనీరింగ్ కళాశాల ఈఈఈ విభాగం పూర్వ విద్యార్థుల సమ్మేళన కార్యక్రమం శనివారం కళాశాలలో జరిగింది. గత ఆరేళ్లుగా ఉత్తీర్ణులైన విద్యార్థులంతా కళాశాలకు వచ్చి తమ అనుభవాలను, స్థితిగతులను ఇతరులతో పంచుకున్నారు. కళాశాల నుంచి బయటకు వెళ్లిన తర్వాత ఉద్యోగ అవకాశాలు, ఒడుదొడుకులను విశ్లేషించుకున్నారు. కార్యక్రమానికి కళాశాల డైరెక్టర్ ఫాదర్ ప్రాన్సిస్ జేవియర్, పీజీ వైస్ ప్రిన్సిపల్ ఫాదర్ రెగ్స్ ఏంజిలో, సహాయ డైరెక్టర్ ఫాదర్ చిరంజీవి హాజరై మాట్లాడుతూ ఆహ్లాదకర వాతావరణంలో విద్యార్థులు కలుసుకోవడం ఆనందగా ఉందన్నారు. ప్రిన్సిపల్ మహేష్. టి. కృష్ణ మోహన్, వి. అనంతలక్ష్మి పాల్గొన్నారు.

PROJECT EXPO-2K19

Michael Faraday Research Centre, a brain child of the Department of Electrical & Electronics Engineering organized an exhibition of engineering projects on 15th March 2019. The projects were designed and developed by the students of final year. The students of 2nd and 3rd year interacted with final year students regarding their projects. The event was found to be very informative for the 2nd & 3rd year students



INDUSTRIAL VISITS

1. Department of Electrical Engineering has organized an industrial visit to **KCP SUGARS & POWER INDUSTRIES Pvt.Lmt, vuyyuru** for 3rdYear B.Tech. Electrical students (70) along with 2 faculty members visited the **Industry** on 28th Dec 2018.

The main purpose of this visit is to make the students understand the generation of power from **BIOMASS** (by-product of sugar extraction from cane stalks). All the students were actively participated and gained knowledge about power generation



2. Department of Electrical Engineering has organized an industrial visit to Dr. Narla Tata Rao Thermal Power Station (NTTPS) for 2ndYear B.Tech Electrical students. Totally 60 students along with 2 faculty members visited the **plant** on 21st Dec 2018. The main motto of this visit is to make the students understand the generation of Electricity from **coal**.

The visit was very fruitful as they observed each of energy conversion stages used in power plant starting from fuel section to switch yard. All the students were actively participated and many of their doubts were cleared by the discussion with experts of the



Department of Electrical Engineering has organized an industrial visit to **GS.ALLOYS Pvt.Lmt, Nunnafor** 4thYear B.Tech. Electrical students (53) along with 3 faculty members visited the **Industry** on 12th February 2019.



QUIZ

The department of Electrical and Electronics Engineering conducted Technical Quiz competition for 1st, 2nd, 3rd and 4th year students on 18th January 2019. The quiz was organized by the faculty in-charge Mr. K. RAJESH BABU.

A total of 70 students registered for the Quiz competition and finally 20 students are shortlisted by conducting written test. The shortlisted students divided into 5 teams (each consisting of four students) one for each year and the team with the highest score was declared as winner of the contest.

| S. No | Position | Name | Roll Number |
|-------|-----------------|------------------|-------------|
| 1 | 1 st | K. Swapnika | 16HP1A0219 |
| | | K.Sai Sampath | 15HP1A0238 |
| | | S Chelsi | 17HP1A0201 |
| | | T Teja maheswari | 18HP1A0215 |
| 2 | 2 nd | K P M Y V.Dathu | 16HP5A0214 |
| | | S V Ravindhra | 18HP1A0251 |
| | | J Vamsi | 16HP1A0251 |
| | | G Sugunasree | 18HP1A0214 |



ENTREPRENEURSHIP AWARENESS CAMP (EAC)

A Entrepreneurship awareness camp (EAC) was organized on Andhra Loyola institute of engineering and technology with the support of Entrepreneurship development institute of india (EDI),ahmedabad under aegis of national science & technology Entrepreneurship development board (NSTEDB),DST govt of india,from 12-12-2018 to 14-12-2018 that was delivered by R VENKATARAO deputy director for Krishna district which was attended by students and faculties.



4th National Conference on Emerging Trends in Electrical Technology – 2019

Under Michael Faraday Research Centre the department of Electrical and Electronics Engineering organised its 4th National Conference titled **Emerging Trends in Electrical Technology – 2019** on 16th March 2019. The conference was well attended by faculty members and students from reputed technical and educational institutions. All the participants were provided conference kits which include the file, writing pad, conference proceedings, pen along with a lunch coupon.

The conference was inaugurated by the Chief Guest for the inaugural function Dr. P. Sankar, Professor, NIT Tadepalligudem.



The conference was attended by more than 50 participants and total of 18 technical papers on various topics Related to recent innovative trends in engineering Technology were presented by the authors and all accepted papers were published in IJRAR (ISSN 2348 –1269, Print ISSN 2349-5138) | UGC Approved

Presentation of Certificates for those students who have successfully presented their papers in the conference was done by Dr. P. Sankar, Professor, NIT Tadepalligudem., the Chief Guest, and Mr D. Kalyan, D.E, VTPS. the Guests of Honour in the valedictory session. The Chairpersons of this event congratulated Mr. L. Karunakar of EEE department and the co-ordinators of the event. The event was formally closed with the Vote of thanks. It was proposed by Mr. Y. C. Ashok Kumar, the Head of the Department EEE.

List of papers

| S.no | Paper Title |
|------|--|
| 1 | Arduino Based Digital Fuel Gauge and Vehicle Monitoring System |
| 2 | Power quality Improvement using UPQC with Distributed Generation |
| 3 | Performance of Dynamic Modelling And optimization Technique of Direct Coupled PV Water Pumping Sys tem |
| 4 | Effective Voltage Regulator For Domestic Loads |
| 5 | Wireless Based LED Dot Matrix Message Display |
| 6 | Solar-Wind Hybrid Power Generation |
| 7 | Improving Voltage Stability on Single Phase Grid Connected Photovoltaic System by using Static VAR Generator |
| 8 | Design of River Waste Collector Machine Using Arduino |
| 9 | operation of Solar Based Water Pumping System with Charge Controller |
| 10 | 15 Level Diode Clamped Multilevel inverter with Reduced Number of Switches |
| 11 | Design and Analysis of PV Module with Tracking in Simulink |
| 12 | Power quality improvement by controlling fault currents using NSFCL |
| 13 | Smart Phone Controlled Metal Detector Vehicle with GSM and Arduino Interfacing |
| 14 | Smart Safety Helmet |
| 15 | Solar Powered Voice Controlled Vehicle |
| 16 | Dynamic Voltage Restorer Using Pi&Fuzzy Logic Control |
| 17 | Design and Simulation of 100kw Hybrid Grid Connected Solar PV System by using Matlab/Simulink |
| 18 | A Review on Identification&Analysis of Security Issues and Challenges of IoT based Healthcare |

నూతన ఆవిష్కరణలపై అధ్యయనం అవసరం

కరెన్సీ నగర్, న్యూనీటండే: ఆంధ్ర లయోల ఇంజనీరింగ్ కళాశాల ఈఈఈ విభాగం ఆధ్వర్యంలో 'ఎమర్జింగ్ ట్రెండ్స్ ఇన్ ఎలక్ట్రికల్ టెక్నాలజీ' అంశంపై జాతీయ సదస్సు శనివారం కళాశాలలో జరిగింది. తాజాపల్లిగూడెం ఎన్ ఐటీ ఆచార్యులు టి.రమేష్ ప్రారంభించి ఎలక్ట్రికల్ రంగంలో ముప్పున్న నూతన ఆవిష్కరణలపై అధ్యయనం ఎంతో అవసరమని, ఈ ఉపకరణాలతో శ్రమ, సమయాన్ని తగ్గించవచ్చున్నారు. ఏపీ జెనకో డీఈ డి.కల్యాణ్, కళాశాల సహాయ డైరెక్టర్ పాదర్ చిరంజీవి, ఈఈఈ విభాగాధిపతి అశోక్ కుమార్, కరుణాకర్ పాల్గొన్నారు. ఈ సందర్భంగా విద్యార్థుల పరిశోధన పత్రాల సంపుటిని అతిథులు ఆవిష్కరించారు.

మాట్లాడుతున్న రమేష్

కరెన్సీ నగర్ మంత్రి చంద్రబాబునాయుడు ఐదేళ్లగా మూలను తున అమలమరసారి ఎమ్మెల్యే

Departmental events for academic year 2017-18

(I SEM)

| S.no | Programme | Event Name | Date of organised |
|------|-------------------------------------|--|--|
| 1 | Technical fest | EPISTEMICON | 19 th sept 2017 |
| 2 | Engineers day | Project Expo | 15 th sept 2017 |
| 3 | Technical quiz | Quiz | 12 th sept 2017 |
| 4 | Guest Lecture | Guest Lecture On Photovoltaic Technology | 8 th sept 2017 |
| | | Guest Lecture on Advanced Power Electronics converters and Drives | 01 st Sept 2017 |
| 5 | Workshop | A Two Day Workshop On Applications Of Arduino In Electrical & Electronics Engineering | 29 th & 30 th august 2017 |
| 6 | Industrial Visit | Practical's On Res Lab | 21 st to 24 th august 2017 |
| | | Industrial Visit For 2 nd Year | 23 rd & 24 th august 2017 |
| | | Industrial Visit For 3 rd Year | 23 rd august 2017 |
| | | Practical Oriented Programme On Solar Panels For 2 nd , 3 rd & 4 th Year At ALIET | 26 th to 29 th july 2017 |
| 7 | Faculty Development Programme | A Three Day Faculty Development Programme OnIndustrial IOT Using NI GraphicalSystem Design Platform | 13 th ,14 th and 15 th july 2017 |
| | | A Three Day Faculty Development Programme On Smart Grid Technology | 8 th ,9 th & 10 th june 2017 |

EPISTEMICON

The department of electrical and electronics engineering has conducted following events on the occasion of **EPISTEMICON 2K17** on 19th sept 2017.

- Paper presentation
- Poster presentation
- Quiz contest
- Spot events



Engineer's Day Celebration (Project Expo)

Electrical Engineering department has celebrated "Engineers Day" in honor of Bharat Ratna Dr. M. Visvesvaraya on 15th Sept. 2017. Dr.G.NAVEEN and A.SEKHAR SUNIL have coordinated this event.

On the occasion of Engineer's Day Celebrations one Technical event was organized in the Department of Electrical Engineering in order to inculcate the competitive spirit among the budding engineers.

More than 10 batches have participated in the event. These competitions were an open opportunity for all. Students with the remarkable performances were awarded with attractive Cash Prizes.



QUIZ

The department of Electrical and Electronics Engineering has conducted Technical Quiz competition for 2nd, 3rd and 4th year students on 12th sept 2017. The quiz was organized by the faculty in-charge V. Anantha Lakshmi and T. Krishna Mohan. The students were actively participated and bag their prize money.



SOLAR APPLICATIONS GUEST LECTURE

08th September 2017

The department of electrical and electronics engineering has conducted a special Guest lecture on **photovoltaic technology**, given by Dr.N.Goutham Kumar Assistant Professor in Sri VR Siddhartha engineering college. Has delivered brain storming session on PV training program provides comprehensive and practical applications of photovoltaic system theory, operations, including installation and maintenance.



ADVANCED POWER ELECTRONICS AND DRIVES

(01st sept 2017)

The Department of electrical and electronics engineering has conducted a Guest Lecture on “Advanced Power Electronics Converters and Drives” delivered by Dr. Shankarpedapati, currently working as Associate Professor in Sri Vishnu College for women’s.



A TWO DAYS WORKSHOP ON AUDINO

29th – 30th august 2017

The Department of electrical and electronics engineering conducted a Two days National Workshop on 29th – 30th august 2017, on “Applications of ARDUINO in Electrical & Electronics Engineering

This program aims to provide the detailed exposure of Lab VIEW visual programming and Arduino hardware platform. To facilitate the understanding of the interfacing technique of different automation devices and tools like Sensors, Motors, Actuators and switching devices”.



RENEWABLE ENERGY SOURCE LAB

(21st – 24th AUG 2017)

The EEE department organized a visit on **Renewable energy source** laboratory on 21st to 24th AUG 2017 for II, III year EEE students with a vision, to understand the basic concepts of power generation through solar panels and wind turbines. Students show the great enthusiasm to conduct the experiments on solar panels and wind turbines.



INDUSTRIAL VISIT TO VTPS

(23 - Aug – 2017)

Department of Electrical Engineering has organized an industrial visit of Thermal Power Station, Dr. Narla Tata Rao Thermal Power Station, which is otherwise called as Vijayawada Thermal Power Plant (VTPS) for 3rd Year B.Tech. Electrical students. 59 students along with 2 faculty members visited the thermal power station on above mentioned date.

The visit was very fruitful as we observed each of energy conversion stages used in power plant starting from fuel section to switch yard. We collected very important information like practical data which are not available in books and other literature. Many of our doubts are cleared by the discussion with experts of the plant.



INDUSTRIAL VISIT TO 33KV/11KV SUBSTATION

AUG (23rd – 24th) 2017

Department of Electrical Engineering has organized an industrial visit of **33KV/11KV APSPDCL Substation vijayawada** for 2nd Year B.Tech. Electrical students 70 students along with 2 faculty members visited the **Substation** on 23rd and 24th august 2017. Our main purpose for this visit is to be familiar with industrial environment and to get practical knowledge of electrical power transmission and distribution. Students are familiar with Transformer maintenance, circuit breaker, Transformer isolator, bus bar, Protective relays, Lightning arresters, Load break switches.



PRACTICAL ORIENTED PROGRAMME ON SOLAR PANELS

(26th -29th July 2017)

Department of Electrical Engineering has organized an Practical Oriented Programme on Solar Panels for 2nd and 3rd Year B.Tech Electrical students on 26th-29th July 2017. 130 students along with 4 faculty members are participated in this programme.

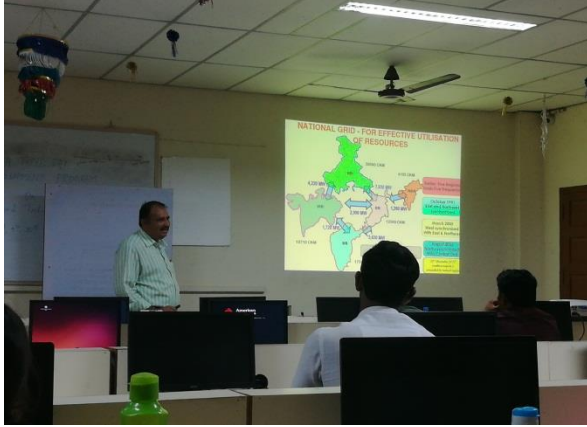
In addition to making Environmental Studies a very vital subject in our syllabus, ALIET College has gone a step further by putting that theory into practice. In Andhra Loyola Colleges, Solar Plant (of 100kW) was installed on the roof of the Library building by TATA Power Pvt Ltd, with a Government of India subsidy. We now have a few parts of our college that run entirely on solar energy.



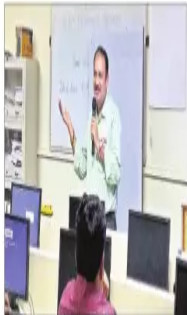
Smart Grid Technology

(8th - 10th June 2017)

A three Day Faculty Development Programme on **Smart Grid Technology**, was conducted in the college, on 8th - 10th June 2017, organized by the Department of EEE.



ఇంజనీరింగ్ విద్యలో మార్పులను గమనించాలి

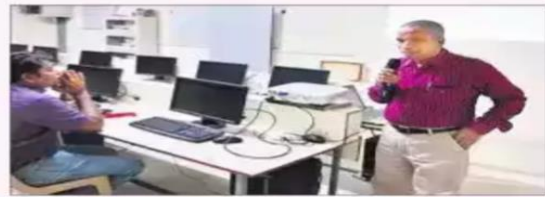


మాట్లాడుతున్న ప్రొఫెసర్ వద్దనాథరాలు

గుణదల (రామవరప్రాజెక్టు) : ఇంజనీరింగ్ విద్యలో వస్తున్న నూతన మార్పులను ఎప్పటి కప్పుడు గమనిస్తూ విద్యార్థులకు సరళీకృతంగా విద్యాబోధన చేయాలని ప్రొఫెసర్ వద్దనాథరాలు ఆధ్యాపకులకు సూచించారు.

ఆంధ్రా లయోలా ఇంజనీరింగ్ కళాశాలలో డిప్యూటీ సీనియర్ ఎలాఅమలు చేసినచో, సాధ్యమైనట్లు 'స్టార్ట్ గ్రీడ్ డిప్యూటీ' అనే అంశంపై ఆధ్యాపకులకు అవగాహన కల్పించారు. ఈ కార్యక్రమంలో గురు శాల డైరెక్టర్ ఫాదర్ ప్రాన్సిస్ మాట్లాడతూ పాఠ్యాంశాలలో పాటు అన్నీ విద్యార్థులు ఉన్నత ఉద్యోగాలు అంశాల్లో విద్యార్థులకు క్లిష్టం ఇవ్వకపోవాలని ప్రధాన భావించి ఆధ్యాపకులే ప్రశ్నించాలన్నారు. పాఠ్యాంశాలలో పాటు ప్రశ్నలను వంటి కార్యక్రమాలను అంతర్గత వైపువ్యాలు, సరిలోదనంపై విద్యా నిర్వహించి విద్యార్థుల అంతర్గత నైపుణ్యాలను పెంపొందిస్తున్నట్లు తెలిపారు. కళాశాల స్టాఫ్లో మహిష, లిస్సిన విధంగా విద్యార్థులను మరీచివ్వడే విభాగాధిపతులు అశోకమూర్తి, ఉన్నత ఉద్యోగాలు విద్యార్థులను వెతుక్కుండా కార్యక్రమ నిర్వహించు కృష్ణప్రసాద్, టూ వస్తామన్నారు. అంతరం స్టార్ట్ గ్రీడ్ ఉదయకుమార్లు పాల్గొన్నారు.

సాంకేతిక పరిజ్ఞానంపై పట్టు సాధించాలి

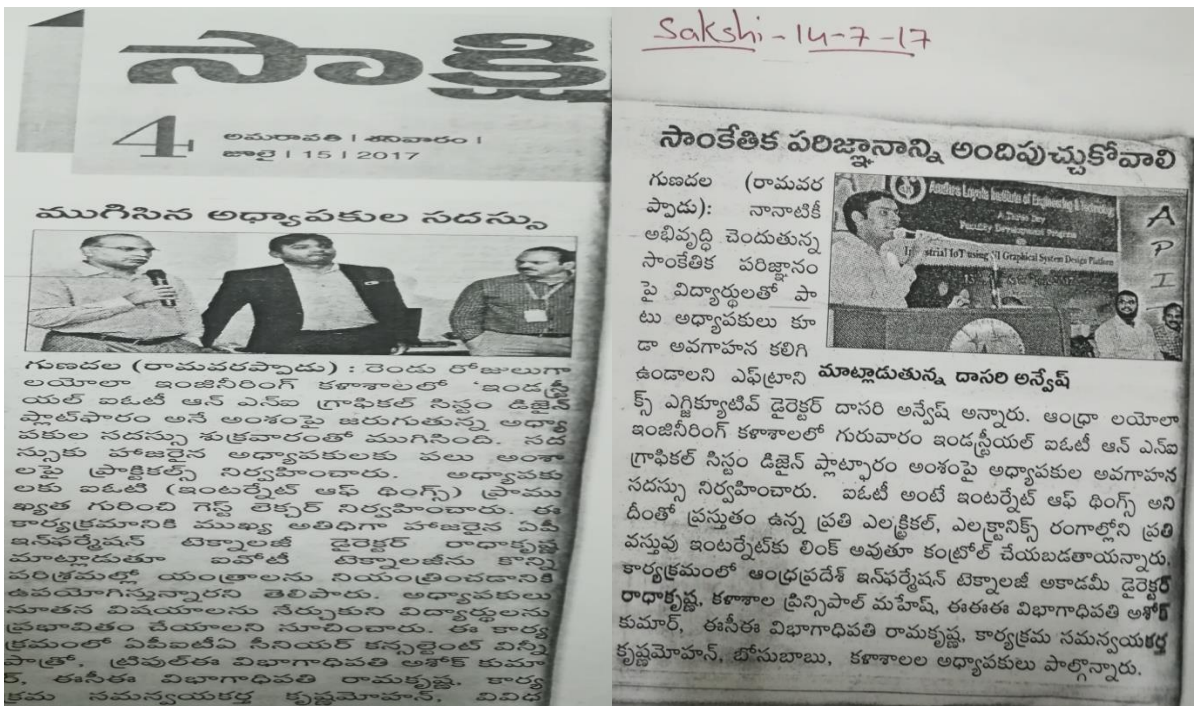


గుణదల (రామవరప్రాజెక్టు) : భవిష్యత్ అవసరాలకు అనుగుణంగా అధ్యాపకులు తమకు తాము మలుచుకోవాలని వీఆర్ సిద్ధార్థ ఇంజనీరింగ్ కళాశాల డైరెక్టర్ ఈ విభాగాధిపతి పీవీఆర్ ఎల్ నరసింహం అన్నారు. ఆంధ్ర లయోలా ఇంజనీరింగ్ కళాశాలలో శుక్రవారం అధ్యాపకులకు బోధనా పద్ధతులపై అవగాహన సదస్సును నిర్వహించారు. నరసింహం మాట్లాడుతూ నూతన సాంకేతిక పరిజ్ఞానంపై కూడా అధ్యాపకులు పట్టు సాధించినట్లయితే విద్యార్థులకు సాంకేతికతను అందించినవారవుతారన్నారు. కళాశాల డైరెక్టర్ ఫాదర్ ప్రాన్సిస్ మాట్లాడుతూ ముందుగా అధ్యాపకులు అన్నీ అంశాల్లో పరిపూర్ణత సాధిస్తేనే విద్యార్థులు కూడా పరిపూర్ణులుగా తయారవుగలరన్నారు. ప్రెస్సిఫాల్ మహిష, విభాగాధిపతులు అశోకమూర్తి, నిర్వహకులు కృష్ణమోహన్, ఉదయ కిరణ్ పాల్గొన్నారు.

INDUSTRIAL IOT USING NI GRAPHICAL SYSTEM DESIGN PLATFORM

(13th – 15th July 2017)

A three Day Faculty Development Programme on **INDUSTRIAL IOT USING NI GRAPHICAL SYSTEM DESIGN PLATFORM**, was conducted in the college, 13th – 15th July 2017, jointly organized by the Department of EEE & ECE.



FACULTY ACHIEVEMENTS

(2017-2018 odd Sem)

| S.No | Name | ACHIEVEMENT | DATE |
|------|----------------------|---|--|
| 1 | Mr.Y.C.Ashok Kumar | Jai Upadhaya Award | 5 th Sept 2017 |
| 2 | Mr.Y.C.Ashok Kumar | Participated In CII Energizing South 2017 at vizag | 1 st & 2 nd September 2017 |
| 3 | Mr.G.Venkatesh | Participated In Two Day National seminar on role of smart grid in smart cities | 15 th & 16 th Sept 2017 |
| 4 | Mr.S.Ch Sekhar Sunil | Participated In six Day FIP on Induction motors electrical simocode And simaris at VVIT | 15 th to 20 th May 2017 |
| 5 | Mr.T.Krishna Mohan | Attended NI engineering education and research seminar | 26 th Sept 2017 |
| 6 | Mr.K.Rajesh Babu | Member Of Editorial Board in IJSRRT | |
| 7 | Mr.K.Rajesh Babu | Participated In one Day FDP on power system design and analysis | 29 th Sept 2017 |
| 8 | Mr. G. Gantaitshwamy | Participated In CII Energizing South 2017 at vizag | 1 st & 2 nd September 2017 |
| 9 | Mr. L. Karunakar | Attended for NI days project expo at Bangalore | 26 th September |

STUDENT ACHIEVEMENTS

| S.No | Name | ACHIEVEMENT | DATE |
|------|--|--|----------------------------|
| 1 | M. Hari Prasad Reddy M.Shekinah K. Saivarun Teja | Secured Placement In VEETechnologies | 14 th October |
| 2 | P. Vasavi N. Tejeswini | Secured 1 st position in poster & 2 nd position in ppt at EPISTIMICON 2017 | 19 th September |
| 3 | P. Abhinav Deep Ch. Akash Babu V. Keerthi K. Shiney | Secured 1 st position at project presentation on EPISTIMICON 2017 | 19 th September |
| 4 | B. Manohar G. Anvesh Kumar R. Naga Surya Teja | Secured 1 st position at QUIZ Computation on EPISTIMICON 2017 | 19 th September |

Departmental Events for Academic Year 2017-18

(II SEM)

| S.no | Programme | Event Name | Date of organised |
|------|---------------------|--|---|
| 1 | Guest Lecture | Power quality improvement techniques | 21 st November 2017 |
| | | Selection of Switch Gear for Electrical Equipment | 31 st November 2017 |
| 2 | Technical Seminar | Amazon Web Services Technical Essentials Registration | 23 rd November 2017 |
| 3 | Workshop | Embedded Systems fundamentals for Basic Microcontrollers 8051 & Arduino | 4 th , 5 th & 6 th December 2017 |
| | | Applications Of Matlab In Electrical Engineering | 27 th & 28 th Feb 2018 |
| 4 | Extension Programs | | 8 th December |
| 5 | Alumni Meet | | 27 th January |
| 6 | Industrial Visit | Industrial Visit For 2 nd Year | 21 st Feb 2018 |
| | | Industrial Visit For 3 rd Year | 7 th Feb 2018 |
| | | Industrial Visit 4 th Year | 19 th Feb 2018 |
| 7 | Technical quiz | Quiz | 17 th Feb 2018 |
| 8 | National Conference | 3 rd National Conference titled Emerging Trends in Electrical Technology – 2018 | 17 th March 2018 |
| 9 | Project Expo | Project Expo-2k18 | 12 th & 13 th MARCH 2018 |

Amazon Web Services

Department of Electrical Engineering has organized a Technical Seminar on “**Amazon Web Services Technical Essentials Registration**”, delivered by Mr.G.Sri Kanth, Associate Cloud Systems Admin, APSSDC on 23rd November 2017. The students of 2nd & 3rd year were attended to this workshop.



Selection of Switch Gear for Electrical Equipment

- 1) Department of Electrical Engineering has organized a Guest lecture on “**Selection of Switch Gear for Electrical Equipment**”, delivered by Mr. S. B. S. Abhinav, working as site engineer at pic technologies, on 31st November 2017. The students of 3rd & 4th year were attended to this workshop.

He delivered some of the concepts regarding usage of switch gears and applications of switch gears for the present scenario.

Guest lecture on power quality issues and mitigation through custom power devices

Department of Electrical & Electronics Engineering has organized a Guest lecture on “power quality issues and mitigation through custom power devices”, delivered by Mr. Dr. I. Satish kumar, working as professor in Gudlavalleru college of engineering, on 25th January 2018. The students of 4th year were attended to this workshop.



Embedded Systems Fundamentals for Basic Microcontrollers 8051 & Arduino

The Department of electrical and electronics engineering has conducted a Three day National Workshop on 4th, 5th & 6th December 2017, on “Embedded Systems fundamentals for Basic Microcontrollers 8051 & Arduino” In collaboration with APSSDC.

The objective of this workshop is to provide an opportunity for students to get aware of RDUINO hereby developing a stepping stone towards the development of an Embedded



మార్పులను అందిపుచ్చుకోవాలి

భారతీయ గర్ (కరెన్సింగ్ టుడే: అంత్రావలయాల జంజీ రీరింగ్ కళాశాల ఎలక్ట్రీకల్, ఎలక్ట్రానిక్స్ విభాగం, ఆంధ్రప్రదేశ్ ప్రభుత్వాలిప్పది సంస్థ సంయుక్త ఆద్యధ్యంలో ఎంబెడెడ్ సిస్టమ్స్ మూడు రోజుల కార్యక్రమాల సమన్వయం ప్రారంభమైంది.

మైక్రో కంట్రోలర్ ఉపయోగాలు, ఆర్డ్యూలో ఉపయోగాలు, సిస్టమ్లలో ఎలక్ట్రీకల్ ఉపకరణాల అనుసంధానం... తదితర అంశాలను వివరించిన డి.సీ. సుందర్ కుమార్ నిపుణులు వివరించారు. తొలుత కార్యక్రమాల కళాశాలలో జైరెక్టర్ షాదర్ ధామన్ ప్రాథమికంగా మాట్లాడుతూ విద్యార్థులు సూతన ఆవిష్కరణలపై దృష్టి పెట్టాలని, ఎలక్ట్రానిక్ రంగంలో వస్తున్న మార్పులను ఎప్పటికప్పుడు అందిపుచ్చుకోవాలన్నారు. సమన్వయకర్తలగా కె.రాజీవ్ లాంటి, ఎం. ధామన్ కుమార్లను వ్యవహరించారు.

APPLICATIONS OF MATLAB IN ELECTRICAL ENGINEERING.



Under Michael faraday research center the Department of Electrical & Electronics engineering has organized a TWO DAY WORKSHOP ON “APPLICATIONS OF MATLAB IN ELECTRICAL ENGINEERING” on 27th & 28th feb 2018. Totally 50 students from various colleges are participated in this workshop. At 9.00 A.M. Event was inaugurated



Programme divided into 4 sessions (each day 2 sessions)

Session 1:

During session 1 the following topics were covered by Mr. T. Krishna Mohan

- Introduction to Matlab
- Simulink tool boxes
- Power Electronics Drives



Session 2:



During session 2 the following topics were covered by Mr. M. Rama Krishna

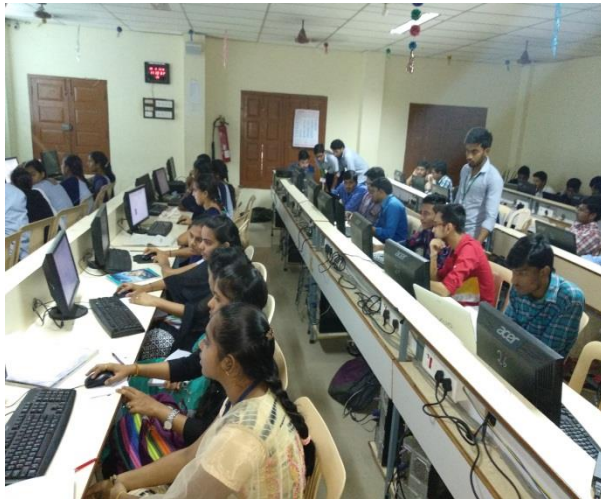
- R,L,C elements
- Construction of electrical circuits by using RLC
- Problems on dependent and independent sources
- Basic Example in Single Phase and Three Phase circuits



Session 3:

During session 3 the following topics were covered by Mr. K. Rajesh Babu

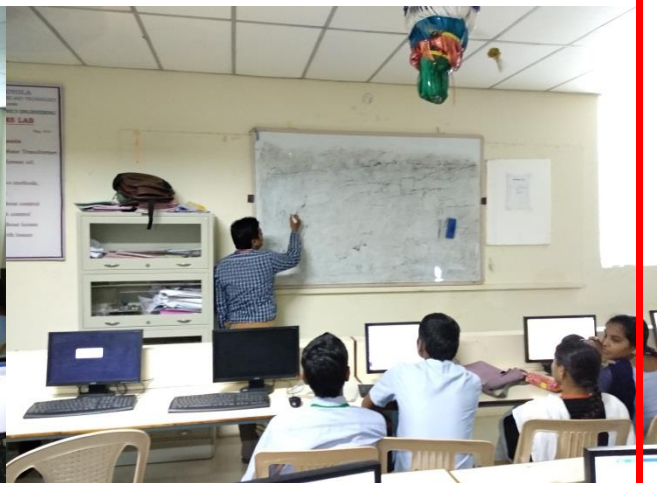
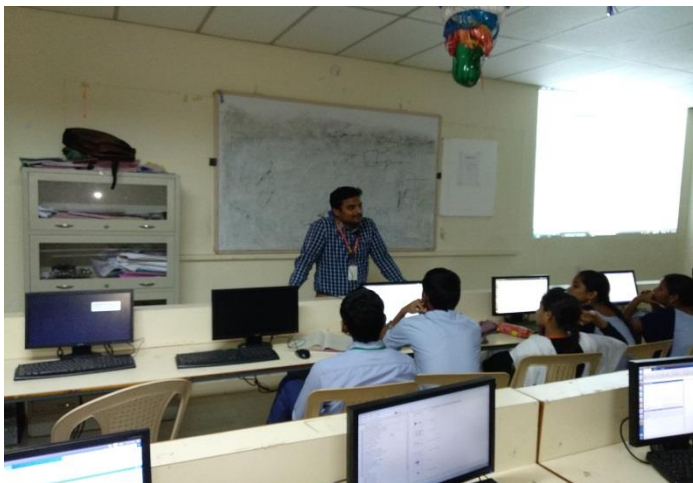
- Introduction to Electrical Machines
- Modelling of DC & AC Machines
- Examples



Session 4:

During session 4 the following topics were covered by Mr. L. Karunakar

- Single Machine System
- Fault Current Calculation
- Examples



This workshop will also provide hands on experience with MATLAB software starting from basics to the end of designing a circuit”.

INDUSTRIAL VISITS

1. Department of Electrical Engineering has organized an industrial visit to **KCP SUGARS & POWER INDUSTRIES Pvt.Lmt, vuyyuru** for 3rdYear B.Tech. Electrical students (53) along with 3 faculty members visited the **Industry** on 7th Feb 2018.

Our main purpose for this visit is students are able to get the knowledge on the generation of power from **BIOMASS** (by-product of sugar extraction from cane stalks). All the students were actively participated and gained knowledge about power generation



సాంకేతిక విద్యార్థుల పారిశ్రమిక సందర్శన

భారతీనగర్ (కరెన్సిన్గర్), మ్యాన్టుడే: ఆంధ్ర లయోల ఇంజనీరింగ్ కళాశాల శ్రీశీయ సంచత్తరం ఎలక్ట్రికల్ అండ్ ఎలక్ట్రానిక్స్ విభాగం విద్యార్థులు క్షేత్ర సందర్శనలో భాగంగా ఉయ్యారు డేపీ మగర్న ఇండస్ట్రిస్ కార్పొరేషన్ కైవేట్ లిమిటెడ్ను బుధవారం పరిశీలించారు. చెరకు నుంచి పంచ దార తయారు చేసే విధానంలో పాటు చెరకు పిప్పి నుంచి ఎలక్ట్రికల్ ఎనర్జీని ఉత్పత్తి చేసే విధానాన్ని అళ్ళడి అధికారులు విద్యార్థులకు వివరించారు.

2. Department of Electrical Engineering has organized an industrial visit to Thermal Power Station, Dr. Narla Tata Rao Thermal Power Station (VTPS) for 2ndYear B.Tech Electrical students. Totally 70 students along with 4 faculty members visited the **Industry** on 21st Feb 2018. Our main purpose for this visit is students are able to get the knowledge on the generation of power from **coal**.

The visit was very fruitful as we observed each of energy conversion stages used in power plant starting from fuel section to switch yard. All the students were actively participated and many of our doubts are cleared by the discussion with experts of the plant.



ధర్మల్ పవర్ ప్లాంట్ ను సందర్శించిన విద్యార్థులు

అటోనగర్: ఆంధ్రలయోలా కళాశాల ఎలక్ట్రికల్, ఎలక్ట్రానిక్స్ ద్వితీయ సంవత్సరం విద్యార్థులు బుధవారం కొండపల్లిలోని ధర్మల్ పవర్ ప్లాంట్ ను సందర్శించారు. పవర్ ప్లాంట్ అధికారులు విద్యార్థులకు ప్లాంట్ విషయాలను వివరించారని ఇంజనీరింగ్ కళాశాల అధ్యాపకుడు వై.సి.అశోక్ కుమార్ తెలిపారు. మొత్తం 70 మంది విద్యార్థులు పాల్గొన్నారు. కార్యక్రమంలో అధ్యాపకులు పాల్గొన్నారు.

సాక్షి Thu, 22 February 2018
epaper.sakshi.com//c/26472541

ఇంజనీరింగ్ విద్యార్థుల క్షేత్ర పర్యటన

భారతీనగర్ (కరెన్సీనగర్), న్యూస్టుడే: లయోల ఇంజనీరింగ్ కళాశాల ఎలక్ట్రికల్ అండ్ ఎలక్ట్రానిక్స్ విభాగం ద్వితీయ సంవత్సరం విద్యార్థులు పారిశ్రామిక సందర్శనలో భాగంగా కొండపల్లి ధర్మల్ విద్యుత్ కేంద్రాన్ని బుధవారం సందర్శించారు. బొగ్గు నుంచి విద్యుత్ తయారీ చేసే విధానం, ఉపయోగాలను అక్కడి అధికారులకు అడిగి విద్యార్థులు తెలుసుకున్నారు.

3. Department of Electrical Engineering has organized an industrial visit to **POWER GRID CORPORATION OF INDIA LIMITED, NUNNA** for 4th Year B.Tech Electrical students. Totally 59 students along with 2 faculty members visited the Industry on 19th Feb 2018. The authorities of the grid were allotted two Professionals people in the grid control and management, and then all the students were divided into two batches (30-students & 1-professional people). Then they explained about all the components and their working.

Some of the components we had seen in the power grid are current transformer, SF6 circuit breakers, Inductive reactors in different ranges, Lightning arrestors, control panels etc. Finally with the help of this visit we came to know about different electrical equipment's which are used in power grid for transmission and protection.



The department of electrical and electronics engineering has conducted a special Guest lecture on **Power Quality And Mitigation Through Custom Power Devices**, given by Dr. I. Satish Kumar Professor in gudlavalleru engineering college. He has delivered a brain storming session on PV training program provides comprehensive and practical applications of photovoltaic system theory, operations, including installation and maintenance.



REPORT OF ALUMNI MEET-2018

The first alumni Meet, ReUnir-2018, was inaugurated by Department of electrical & electronics engineering on 27th Jan 2018. Director **Rev. Fr. Dr. A. Francis Xavier S.J**, graced the occasion with his presence. The alumni students were invited to attend the Alumni Meet through Invitation letters/invitation cards/emails.

You're Invited

RE-UNIR

Dept. of EEE's first Alumni Meet

It gives us an immense pleasure in inviting you to the first Reunion of EEE Students of ALIET.

Date & Time
27th January 2018, 9:30 a.m
Venue
North Seminar Hall

ALUMNI ASSOCIATION
Reunir
ALIET - EEE

Department of Electrical & Electronics Engineering
Andhra Loyola Institute of Engineering & Technology

The meet started traditionally with the lighting of lamp and was followed by the prayer song.



The occasion was graced by more than 40 Alumni students, teaching and non-teaching staff and 2nd year students. In response, few of the alumni shared their experience as well as interesting moments of campus life to the audience.



As a part of entertainment program, funny games were organised for the audience and prizes were distributed.



QUIZ

The department of Electrical and Electronics Engineering has conducted Technical Quiz competition for 1st, 2nd, 3rd and 4th year students on 17thFeb 2018. The quiz was organized by the faculty in-charge Mr. K. RAJESH BABU and MR. M. KARUNAKAR.

A total of 150 students registered for the Quiz competition and finally 20 students are shortlisted by conducting written test. The shortlisted students divided into 5 teams (each consisting of four students) one for each year and the team with the highest score was declared as winner of the contest.

