



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi, Affiliated to JNTUK, Kakinada)

BALUSUMUDI, BHIMAVARAM, W.G. Dist., A.P., PIN-534 202

Tel : 08816-221237, 9666188519, Fax : 08816-221236, Email : [info@dnrcet.org](mailto:info@dnrcet.org), Website : [www.dnrcet.org](http://www.dnrcet.org)

## PROGRAMME REPORT

**Name of the programme:** Seminar on Importance of Safety Measures In Construction Sites

**Date:** 14-06-2013.

**Resource person & Details:** Md. Waseem Ahmad, Director, Design trade consultancy.

### **Programme Description:**

Health and safety in construction are particularly important because the industry is prone to hazardous situations and can be dangerous at times. Statistics show that 3% of all construction workers in the UK sustain a work related injury and around 4% are suffering from work related illness.

**Topics covered:** Importance of health, importance of safety in construction sites, protective techniques, working skills in site, effects and causes of accidents, awareness on working style in construction industry, Awareness on wearing of safety equipment in construction like helmet, shoe, jacket.

### **Students Response:**

The 2<sup>nd</sup> year B.Tech students of the civil engineering branch has attended the seminar and said that the seminar is good and informative to them . They are willing to have these kind of seminars in further.

  
CONVENOR

  
HOD

  
PRINCIPAL



## Department of Electronics and Communication Engineering

### PROGRAMME REPORT

**TITLE OF THE PROGRAMME :** A two day workshop on "MICRO/NANO DEVICES & SYSTEMS"

**DATE & VENUE :** 27<sup>th</sup> & 28<sup>th</sup> June 2013, Diamond Jubilee Seminar Hall

**Resource Person :** Mr D.Satish Kumar, Executive Engineer,  
ONGC, Rajahmundry.

**Chief-Guests:** Sri G.V.Narasimha Raju,  
Hon'ble President, DNR College Association.  
Sri G. Satyanarayana Raju (Babu),  
Hon'ble Secretary & Correspondent, DNR College Association

**Inauguration:** Sri Dr.U.Ranga Raju,  
Principal, DNR College of Engg. & Tech.

**Convener:** Mr K.Venkanna Naidu,  
HOD, Department of ECE

**Concept:** Hollow micro/Nano structured materials are now playing an important role in cutting edge innovations for energy conversion and storage technologies such as solar cells, fuel cells, lithium ion batteries and super capacitors. These materials show great promise in addressing growing environmental concerns for cleaner power sources at a time of increasing global demand for energy. In this perspective, we show that complex multi-shelled micro/Nano materials show significant material advantages in many applications over conventional simple hollow structures.

  
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## PROGRAMME REPORT

Name of the programme: A Seminar on Lift Irrigation Projects

Date: 13-08-13

Resource person & Details: S. Hari Babu, CE, I&CAD

### Programme Description:

Lift irrigation schemes must accomplish two main tasks: first, to carry water by means of pumps or other way, from the water source to the main delivery chamber, which is situated at the top most point in the command area. Second, they must distribute this water to the field of the beneficiary farmers by means of a suitable and proper distribution. So that in Lift Irrigation system, the gravity flow of water by canals or river is not available or used.

### Topics covered:

1. Lift irrigation made irrigation possible at higher level.
2. Land acquisition problem in L.I.S. is less.
3. Water losses are low.
4. Using of less Man power

### Participants Response:

The 3<sup>rd</sup> year B.Tech students of the civil engineering branch has participated and they found the training programme enthusiastic and enriching. All the participants feel satisfactory about training .

  
CONVENOR

  
HOD

  
PRINCIPAL

**Department of Electrical & Electronics Engineering  
DNR COLLEGE OF ENGINEERING & TECHNOLOGY**

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**CO- CURRICULUM ACTIVITIES**

**TITLE OF THE PROGRAMME: CHALLENGES AND SOLUTIONS IN SWITCHED  
MODE POWER SUPPLY**

**Inauguration Date: 20-07-2013**

**Venue: D.N.R COLLEGE OF ENGINEERING & TECHNOLOGY**

**Training Period: ONE DAY (20<sup>th</sup> JULY 2013)**

**Resource person: Mr. P.NAGESH (CTO, Chirra Electronics, Bangalore)**

**Chief Guests: Sri G. V. Narasimha Raju,**

President, DNR College Association

**Sri G. Satyanarayana Raju (Babu)**

Secretary & Correspondent, DNR College Association

**Inauguration: Sri Dr. U. Ranga Raju,**

Principal, DNR College of Engineering & Technology

**Concept:** A one day seminar on "Challenges and Solutions In Switched Mode Power Supply" was organized by the Dept. of E.E.E., D.N.R College of Engineering & Technology Bhimavaram 20<sup>th</sup> July 2013. The main theme of the conducting one day seminar is to share, discuss and exchange views on Challenges and Solutions In Switched Mode Power Supply to meet research challenges in future. Mr. P.NAGESH started the program and explained the importance of latest challenges in SMPC. The event was Inaugurated in the presence of Dr.U.Ranga Raju; Principal (DNR CET). A good number of students and faculty participated in the event.

  
Convener

  
Principal



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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### A Brief Report on Seminar

#### On "STRUCTURED PROGRAMMING AND ALGORITHMS"

Conducted by: Department of Computer Science and Engineering

Held on 27<sup>th</sup> & 28<sup>th</sup> July 2013

Aiming to provide an intense training on practical oriented subjects at undergraduate level for college student and faculty, a three day Seminar on 'Structured Programming and Algorithms' is held on Jul 27<sup>th</sup> and 28<sup>th</sup>, 2013 at DNR College of Engineering & Technology, DNR Campus, Bhimavaram. Speaking on the occasion, Dr. U. Ranga Raju, Principal of DNRCEET said "If you steal from one book you are condemned as a plagiarist, but if you steal from ten books you are considered a scholar, and if you steal from thirty or forty books, a distinguished scholar". In addition to quality education, the college provides continuous support and assistance to the students in achieving their potential goals. I wish you every success; hope that you have a great time with us.

Sri D.D.D. Suri Babu, HOD-CSE said "A genius is someone who takes a complex thing and makes it look simple. An academic does the opposite." The department of CSE is a vibrant educational community of exemplary standards, with commitment to high quality education, and rigorous academic environment, since the beginning.

Miss. Jahnvi Sudha, Technical Lead, COIGN Consultant, Hyderabad, delivered a lecture on *Structured Programming and Algorithms with simple examples*. The event was basically designed to bring the college students and teachers in Bhimavaram on a single platform and share the information on teaching strategies needed for effective learning process in computer science engineering. Around sixty Students and faculty of CSE Department participated in this program. Mr. M.S.V.V. Ramesh, Assistant Professor in Computer Science and Engineering, acted as a Coordinator for the event.

  
Convener



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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### A Brief Report on Seminar On "PROGRAMMING WITH R"

Conducted by: Department of Computer Science and Engineering

Held on 3<sup>rd</sup> & 4<sup>th</sup> October 2013

Aiming to provide an intense training on practical oriented subjects at undergraduate level for college student and faculty, a three day Seminar on "Programming with R" is held on October 3<sup>rd</sup> and 4<sup>th</sup>, 2013 at DNR College of Engineering & Technology, DNR Campus, Bhimavaram. Speaking on the occasion, Dr. U. Ranga Raju, Principal of DNR CET said "There are times when wisdom cannot be found in the chambers of parliament or the halls of academia but at the unpretentious setting of the kitchen table". In addition to quality education, the college provides continuous support and assistance to the students in achieving their potential goals. I wish you every success; hope that you have a great time with us.

Sri D.D.D. Suri Babu, HOD-CSE said "the process of teaching is mutual learning for both teachers and students. We should move from the attitude of It does not make sense. It cannot exist. It's impossible, and if it isn't impossible, it's irrelevant, and if it isn't either of those things, it's embarrassing". The department of CSE is a vibrant educational community of exemplary standards, with commitment to high quality education, and rigorous academic environment, since the beginning.

Mr. Kishore Reddy, IT Head, COIGN Consultant, Hyderabad, delivered a lecture on Programming with R with simple examples. The event was basically designed to bring the college students and teachers in Bhimavaram on a single platform and share the information on teaching strategies needed for effective learning process in computer science engineering. Around sixty Students and faculty of CSE Department participated in this program. Mr. M.S.V.V. Ramesh, Assistant Professor in Computer Science and Engineering, acted as a Coordinator for the event.

  
Convener



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*Balasanmudi, Bhimavaram, W. G. Dist., A.P., Pin: 534202*

## **Department of Electronics and Communication Engineering**

### **PROGRAMME REPORT**

**TITLE OF THE PROGRAMME : A one day seminar on "Emerging Trends in VLSI Design"**

**DATE & VENUE : 19<sup>th</sup> Oct 2013, Diamond Jubilee Seminar Hall**

**Resource Person : Mr. K.Bala Nitish Chaitanya, Layout Design Engineer,  
EXIGER PVT Ltd, Bangalore.**

**Chief-Guests: Sri G.V. Narasimha Raju,  
Hon'ble President, DNR College Association.**

**Sri G. Satyanarayana Raju (Babu),  
Hon'ble Secretary & Correspondent, DNR College Association**

**Inauguration: Sri Dr. U. Ranga Raju,  
Principal, DNR College of Engg. & Tech.**

**Convener: Mr.K.Venkanna Naidu  
HOD, Department of ECE**

**Concept:** the advantage of VLSI design for FPGAs, ASICs, CPLDs, the application areas got expanded from micro-controller to FPGA based technologies. Today, it has moved from commercial application to the defence sectors like missiles & aerospace controls. In this paper/article the use of FPGAs and its interface with various application circuits in the communication field for data (textual & visual) & control transfer. The FPGAs (Field Programmable Gate Arrays) has played an important role in the system design. This provides a path for a simple design to be mapped into the FPGA building blocks which further decomposed into various functional circuits. The use of VHDL helps in programming various processes and to optimize through the synthesis. This makes the hardware design check easier through simulation.

  
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**Department of Electrical & Electronics Engineering**  
**DNR COLLEGE OF ENGINEERING & TECHNOLOGY**

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**CO- CURRICULUM ACTIVITIES**

**TITLE OF THE PROGRAMME: WORKSHOP ON PCB DESIGN & FABRICATION**

**Inauguration Date: 20-11-2013**

**Venue: D.N.R COLLEGE OF ENGINEERING & TECHNOLOGY**

**Training Period: FIVE DAYS (20<sup>th</sup> -24<sup>th</sup> NOVEMBER 2013)**

**Resource person: Mr. M.NAGIREDDY (Success Technologies)**

**Chief Guests: Sri G. V. Narasimha Raju,**

President, DNR College Association

**Sri G. Satyanarayana Raju (Babu)**

Secretary & Correspondent, DNR College Association

**Inauguration: Sri Dr. U. Ranga Raju,**

Principal, DNR College of Engineering & Technology

**Concept:** A Five Days workshop on "Workshop on PCB Design & Fabrication" was organized by the Dept. of E.E.E., D.N.R College of Engineering & Technology Bhimavaram on 20<sup>th</sup> to 24<sup>th</sup> November 2017. The main theme of the conducting five days workshop is to share, discuss and exchange views on PCB design & fabrication. Mr.M.Nagireddy from Success Technologies started the program and explained the importance of PCB design & Fabrication. The event was inaugurated in the presence of Dr.U.Ranga Raju; Principal (DNR CET). The main objective of the workshop was to train the students on Implementation of Micro Grids. A good number of students and faculty actively participated in the above event.

  
Convener

  
Principal





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## REPORT ABOUT THE PROGRAMME

**Title Of The Programme:** CAREER ADVANCEMENTS

**Inauguration Date & Venue:** 16<sup>th</sup> December 2013, Seminar Hall

**Training center:** DNR College Of Engineering & Technology

**Training Period:** One Day

**Resource person:** Dr G .Santosh manager, IFOCUS Hyderabad

**Chief Guests:** Sri G. V. Narasimha Raju,

President, DNR College Association

Sri G. Satyanarayana Raju (Babu)

Secretary & Correspondent, DNR College Association

**Inauguration:** Dr. U. Ranga Raju,

Principal, DNR College of Engineering & Technology

**No of students attended:**170

### **Concept:**

In this seminar Mr. Santosh gave a brief discussion about career opportunities. He discussed about self awareness, self defence, self motivation. He also gave some suggestions to build-up the confident of students. He also explained how to face the interviews. In this regard he gave suggestion to motivate others.

  
Convener

  
Principal



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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### A Brief Report on Workshop

Title: "C-PROGRAMMING WITH ALGORITHMS"

Conducted by: Department of Computer Science and Engineering

Held on: 27<sup>th</sup> & 28<sup>th</sup> December 2013

Aiming to provide an intense training on practical oriented subjects at undergraduate level for college student and faculty, a two day Workshop on "C – Programming with Algorithms" is held on 27<sup>th</sup> and 28<sup>th</sup> December, 2013 at DNR College of Engineering & Technology, DNR Campus, Bhimavaram. Speaking on the occasion, Dr. U. Ranga Raju, Principal said "One of the very best teachers in life is experience. Some people refuse to learn any other way, and even those that try to carefully learn before doing things will find they are often taught surprising lessons by experience". In addition to quality education, the college provides continuous support and assistance to the students in achieving their potential goals. I wish you every success; hope that you have a great time with us.

Sri D.D.D. Suri Babu, HOD-CSE said "*If I am walking with two other men, each of them will serve as my teacher. I will pick out the good points of the one and imitate them, and the bad points of the other and correct them in myself*". The department of CSE is a vibrant educational community of exemplary standards, with commitment to high quality education, and rigorous academic environment, since the beginning.

Mr. Siva Reddy, Technical Head, COIGN Consultant, Hyderabad, delivered a lecture on C – Programming with Algorithms. The event was basically designed to bring the college students and teachers in Bhimavaram on a single platform and share the information on teaching strategies needed for effective learning process in computer science engineering. Around sixty to Seventy Students and faculty of CSE Department participated in this program. Mr. P. Srinivas, Assistant Professor in Computer Science and Engineering, acted as a Coordinator for the event.

  
Convener



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Name of the programme: A One day seminar on Time Management- Tips for effective utilization

Date: 17/12/2013

Venue of the programme: DNR CET Seminar hall

## REPORT ABOUT THE PROGRAMME

We at DNR College of Engineering & Technology organized a One day Seminar on "Time Management- Tips for effective utilization", to bring awareness about managing time for the B.Tech students. The Seminar is inaugurated by Sri G.Satyanarayanaraju(Babu), Secretary and Correspondent and Dr.U.Ranga Raju, Principal, DNR College of Engineering and Technology, Bhimavaram.

Resource person Dr K V Subba Raju, Head & Professor Dept of Engg Chemistry, SRKR Engineering College, Bhimavaram has discovered means on how to eliminate time-wasters and watch productivity soar. This seminar offers practical techniques that can be used immediately to gain control. Participants will learn how to plan and prioritize more effectively while managing interruptions and distractions.

  
Coordinator

  
Principal



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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### A Brief Report on Seminar

#### On "WEB TECHNOLOGIES IN CURRENT TRENDS"

Conducted by: Department of Computer Science and Engineering

Held on 2<sup>nd</sup> & 3<sup>rd</sup> January 2014

Aiming to provide an intense training on practical oriented subjects at undergraduate level for college student and faculty, a three day Seminar on 'Web Technologies in Current Trends' is held on January 2<sup>nd</sup> and 3<sup>rd</sup>, 2014 at DNR College of Engineering & Technology, DNR Campus, Bhimavaram. Speaking on the occasion, Dr. U. Ranga Raju, Principal of DNRCEET said *"We cannot always build the future for our youth, but we can build our youth for the future"*. Remember *"The reward of every good action will be good only"*. In addition to quality education, the college provides continuous support and assistance to the students in achieving their potential goals. I wish you every success; hope that you have a great time with us.

Sri D.D.D. Suri Babu, HOD-CSE said "the process of teaching is mutual learning for both teachers and students. We should move from the attitude of 'I do, you do' to an effective and inclusive approach of 'we do'." The department of CSE is a vibrant educational community of exemplary standards, with commitment to high quality education, and rigorous academic environment, since the beginning.

Mr. Mohan Babu, Technical Head, NIIT Ltd, Vijayawada, delivered a lecture on Web Technologies in Current Trends. The event was basically designed to bring the college students and teachers in Bhimavaram on a single platform and share the information on teaching strategies needed for effective learning process in computer science engineering. Around sixty Students and faculty of CSE Department participated in this program. Mr. M.C.S. Varma, Assistant Professor in Computer Science and Engineering, acted as a Coordinator for the event.

  
Convener



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## PROGRAMME REPORT

Name of the programme: A Seminar On Pile Foundations

Date: 10-01-14

Resource person & Details: N Vamsee Krishna, Deputy Manager, Tata Projects.

### Programme Description:

Pile foundations are used in the following situations; When there is a layer of weak soil at the surface. This layer cannot support the weight of the building, so the loads of the building have to bypass this layer and be transferred to the layer of stronger soil or rock that is below the weak layer.

### Topics covered:

Importance of the piles, different types of piles which are used in constructions, discussion of different piles like wooden piles, concrete piles, steel piles, Cast in place or precast driven piles.

Cast-in-place piles are made in the following steps:

Hammer a thin-walled steel tube into the ground

Remove all earth left inside the tube

Lower a steel reinforcement cage into the tube

Cast the pile by pouring wet concrete into the tube

### Participants Response:

The 3<sup>rd</sup> year B.Tech students of the civil engineering branch has participated and they found the training programme enthusiastic and enriching. All the participants feel satisfactory about training.

  
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HOD

  
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## Department of Electronics and Communication Engineering

### PROGRAMME REPORT

TITLE OF THE PROGRAMME: A two day workshop on "PCB Design"

DATE & VENUE: 24<sup>th</sup> & 25<sup>th</sup> January 2014, Diamond Jubilee Seminar Hall.

Resource Person: Mr.S.SURENDRANADH, SR ENGINEER,  
BHEL, HYDERABAD.

Chief-Guests: Sri G.V.Narasimha Raju,  
Hon'ble President, DNR College Association.

Sri G. Satyanarayana Raju (Babu),  
Hon'ble Secretary & Correspondent, DNR College Association

Inauguration: Sri Dr.U.Ranga Raju,  
Principal, DNR College of Engg. & Tech.

Convener: Mr K.Venkanna Naidu,  
HOD, Department of ECE

**Concept :** A printed circuit board (PCB) mechanically supports and electrically connects electronic components or electrical components using conductive tracks, pads and other features etched from one or more sheet layers of copper laminated onto and/or between sheet layers of a non-conductive substrate. Components are generally soldered onto the PCB to both electrically connect and mechanically fasten them to it. Printed circuit boards are used in all but the simplest electronic products. They are also used in some electrical products, such as passive switch boxes. This workshop mainly focused on one task that would be fulfilled by the students by applying both theoretical and practical knowledge and students can learn how to apply the theoretical knowledge to develop a task. Eventually a student would be able to design a PCB after acquiring knowledge.

  
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Name of the programme: "Dimensions of IPR in Science & Technology Progress"

Date: 28/01/2014

Venue of the programme: DNR CET Seminar hall

## REPORT ABOUT THE PROGRAMME

We at DNR College of Engineering & Technology organized a "Dimensions of IPR in Science & Technology Progress", to bring awareness about IPR and its importance to the B.Tech students. The Seminar is inaugurated by Sri G.Satyanarayanaraju(Dabu), Secretary and Correspondent and Dr.U.Ranga Raju, Principal, DNR College of Engineering and Technology, Bhimavaram.

Resource person Mr Y SURYA CHANDRA RAO Advocate, Kakinada has given an overview on IPRs in India, the role of IPR in protecting the creations of young engineers, legislation and its implementation, Registering and enforcing IPR in India This programme is intended to help the students protect their inventions from unauthorised access. The resource person has explained everything with real time examples.

Coordinator

Principal



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## PROGRAMME REPORT

Name of the programme: A Workshop On 3DS MAX

Date: 24-02-14

Resource person & Details: G Siva Ramreddy, BPR Consultancy, Hyderabad

### Programme Description:

Autodesk 3ds Max, formerly 3D Studio and 3D Studio Max, is a professional 3D computer graphics program for making 3D animations, models, games and images. It has modeling capabilities and a flexible plugin architecture and can be used on the Microsoft Windows platform. It is also used for movie effects and movie pre-visualization. For its modeling and animation tools, the latest version of 3ds Max is used.

### Topics covered:

Features of 3ds max like, MAXScript, Character Studio, Scene Explorer, DWG import, Texture assignment/editing, General keyframing, Constrained animation, Skinning, Skeletons and inverse kinematics (IK), Integrated Cloth solver, Integration with Autodesk Vault, Max Creation Graph, Modeling techniques like Polygon modeling, NURBS (Non-Uniform Rational B-Splines), Surface tool/editable patch object, ,

### Participants Response:

The 2nd year B.Tech students of the civil engineering branch has participated and they found the training programme enthusiastic and enriching. All the participants feel satisfactory about training .

  
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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### A Brief Report on Seminar

On "JOB OPPORTUNITIES IN CLOUD, BIGDATA AND SOCIAL MEDIA"

Conducted by: Department of Computer Science and Engineering

Held on 7<sup>th</sup> March 2014

Aiming to provide an intense training on practical oriented subjects at undergraduate level for college student and faculty, a one day Seminar on "job opportunities in cloud, BigData and social media" is held on 7th March, 2014 at DNR College of Engineering & Technology, DNR Campus, Bhimavaram. Speaking on the occasion, Dr. U. Ranga Raju, Principal of DNR CET said "The implication was that it was somehow naive to want to talk about anything interesting, or to think that you would ever know anything important". In addition to quality education, the college provides continuous support and assistance to the students in achieving their potential goals. I wish you every success; hope that you have a great time with us.

Sri D.D.D. Suri Babu, HOD-CSE said "I'm the guy who knows how you can hurt so much that your insides feel like they're cut and bleeding" The department of CSE is a vibrant educational community of exemplary standards, with commitment to high quality education, and rigorous academic environment, since the beginning.

Mr. Siva Kumar, Technical Head, VXL IT Academy, Vijayawada, delivered a lecture on job opportunities in cloud, BigData and social media. The event was basically designed to bring the college students and teachers in Bhimavaram on a single platform and share the information on teaching strategies needed for effective learning process in computer science engineering. Around sixty Students and faculty of CSE Department participated in this program. Mr. M.C.S. Varma, Assistant Professor in Computer Science and Engineering, acted as a Coordinator for the event.

  
Convener

**Department of Electrical & Electronics Engineering**  
**DNR COLLEGE OF ENGINEERING & TECHNOLOGY**

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**CO- CURRICULUM ACTIVITIES**

**TITLE OF THE PROGRAMME: RESEARCH CHALLENGES IN SMART GRID**

**Inauguration Date: 27-02-2014**

**Venue: D.N.R COLLEGE OF ENGINEERING & TECHNOLOGY**

**Training Period: ONE DAY (27<sup>th</sup> FEBRUARY 2013)**

**Resource person: Mr. P.NARAYANA PRASAD**

**Chief Guests: Sri G. V. Narasimha Raju,**

**President, DNR College Association**

**Sri G. Satyanarayana Raju (Babu)**

**Secretary & Correspondent, DNR College Association**

**Inauguration: Sri Dr. U. Ranga Raju,**

**Principal, DNR College of Engineering & Technology**

**Concept:** A one day seminar on "Research Challenges in Smart Grid" was organized by the Dept. of E.E.E., D.N.R College of Engineering & Technology Bhimavaram 27<sup>th</sup> February 2014. The main theme of the conducting one day seminar is to share, discuss and exchange views on "Research Challenges in Smart Grid" to meet research and practical challenges in future. Mr. P.NAGESH started the program and explained the importance of latest challenges in smart grid. The event was inaugurated in the presence of Dr.U.Ranga Raju; Principal (DNRCET). A good number of students and faculty participated in the event.

  
Convener

  
Principal

# Department of Electrical & Electronics Engineering DNR COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)

## CO- CURRICULUM ACTIVITIES

**TITLE OF THE PROGRAMME:** AURDINO BASED MICROCONTROLLER

**Inauguration Date:** 10-03-2014

**Venue:** D.N.R COLLEGE OF ENGINEERING & TECHNOLOGY

**Training Period:** THREE DAYS (10<sup>th</sup> -12<sup>th</sup> MARCH 2017)

**Resource person:** Mr. GURU GOPAL (Roxent Technologies)

**Chief Guests:** Sri G. V. Narasimha Raju,

President, DNR College Association

Sri G. Satyanarayana Raju (Babu)

Secretary & Correspondent, DNR College Association

**Inauguration:** Sri Dr. U. Ranga Raju,

Principal, DNR College of Engineering & Technology

**Concept:** A three days workshop on "Aurdino Based Microcontroller" was organized by the Dept. of E.E.E., D.N.R College of Engineering & Technology Bhimavaram on 10<sup>th</sup> to 12<sup>th</sup> March 2015. The main theme of the conducting three days workshop is to share, discuss and exchange views on Aurdino Based Microcontroller and its implementation in research and industry. Mr. Guru Gopal from Roxent Technologies started the program and explained the importance of workshop. The event was inaugurated in the presence of Dr. U. Ranga Raju; Principal (DNR CET). The main objective of the workshop was to train the students on Aurdino based microcontroller. A good number of students and faculty actively participated in the above event.

  
Convener

  
Principal



## **Department of Electronics and Communication Engineering**

### **PROGRAMME REPORT**

**TITLE OF THE PROGRAMME :** A one day seminar on **"Optical Communication Networking"**

**DATE & VENUE :** 18<sup>th</sup> March 2014, Diamond Jubilee Seminar Hall

**Resource Person :** Mr.CH.SANTHOSH KUMAR, JTO  
BSNL, SHILLONG.

**Chief-Guests:** Sri G.V. Narasimha Raju,  
Hon'ble President, DNR College Association.  
Sri G. Satyanarayana Raju (Babu),  
Hon'ble Secretary & Correspondent, DNR College Association

**Inauguration:** Sri Dr. U. Ranga Raju,  
Principal, DNR College of Engg. & Tech.

**Convener:** Mr.K.Venkanna Naidu  
HOD, Department of ECE

**Concept:** An optical networking connects computers (or any other device which can generate or store data in electronic form) using optical fibers. optical fibers are essentially very thin glass cylinders or filaments which carry signals in the form of light (optical signals). Advantages of optical networks High speed capability (theoretically possible to send 50 Terabits per second using a single fiber) Low signal attenuation Low signal distortion Low power requirement Low material usage Small space requirements Low cost Immunity to electrical interference, data communication in an optical network use an optical carrier signal at some wavelength in the band of 1450 to 1650 nm, at the source of the data, modulate the carrier with the data to be communicated, send the modulated carrier towards the destination using a path involving one or more fibers, when the signal reaches the destination, extract the data from the incoming signal using demodulation.

  
CONVENER

  
PRINCIPAL



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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Balusumudi, Bhimavaram, W.G.Dist., A.P., PIN-534 202

Tel : 08816-221237, 9666188519, Fax : 08816-221236, Email : [info@dnrcet.org](mailto:info@dnrcet.org), Website : [www.dnrcet.org](http://www.dnrcet.org)

## REPORT ABOUT THE PROGRAMME

**TITLE OF THE WORKSHOP:** ROBOT ARM

**Inauguration Date & Venue:** 24.03.2014 Seminar Hall

**Training centre:** DNR College of Engineering & Technology

**Training Period:** One Day

**Resource person:** Sri.M. Shashank

(Specialist)

**Chief Guests:** Sri G.V.Narasimha Raju,

President, DNR College Association

Sri G.Satyanarayana Raju (Babu)

Secretary & Correspondent, DNR College Association

**Inauguration:** Dr.U.Ranga Raju,

Principal, DNR College of Engineering & Technology

**No of Students Attended:** 172

**Concept:**

In this workshop Mr.Shashank explained about various types of sensors used in robots. And he also gave brief discussion about linear movement mechanism. He also discussed various parts in robot arm, various material used to manufacture of robot. He also discussed about various industrial applications of robot arm.

  
Convener

  
Principal



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## REPORT ABOUT THE PROGRAMME

**Title Of The Programme:** FATIGUE IN STRUCTURES

**Inauguration Date & Venue:** 5<sup>th</sup> April 2014, Seminar Hall

**Training center:** DNR College Of Engineering & Technology

**Training Period:** One Day

**Resource person:** Sri. P. Gandhi, M.Tech Senior Principal Scientists SERC  
(CSIR) Chennai

**Chief Guests:** Sri G. V. Narasimha Raju,  
President, DNR College Association  
Sri G. Satyanarayana Raju (Babu)  
Secretary & Correspondent, DNR College Association

**Inauguration:** Dr. U. Ranga Raju,  
Principal, DNR College of Engineering & Technology

**No of students attended :** 173

### **Concept:**

In this seminar Mr. Gandhi gave a brief discussion about various parameters that are considered in structures. He also discussed about various types of loads. He gave brief explanation on cyclic loading and unloading. And he also discussed about various testing process of structures. He also explained various industrial applications of structures.

  
Convener

  
Principal



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## PROGRAMME REPORT

**Name of the programme:** A Workshop On construction planning by primevera

**Date:** 18-06-14

**Resource person & Details:** G Siva Ramreddy, BPR Consultancy, Hyderabad

### **Programme Description:**

Primavera is an enterprise project portfolio management software. It includes project management, product management, collaboration and control capabilities, and integrates with other enterprise software such as Oracle and SAP's ERP systems. Primavera was launched in 1983 by Primavera Systems Inc., which was acquired by Oracle Corporation in 2008.


### **Topics covered:**

Features of 3ds max like, MAXScript, Character Studio, Scene Explorer, DWG import, Texture assignment/editing, General keyframing, Constrained animation, Skinning, Skeletons and inverse kinematics (IK), Integrated Cloth solver, Integration with Autodesk Vault, Max Creation Graph. Modeling techniques like Polygon modeling, NURBS (Non-Uniform Rational B-Splines), Surface tool/editable patch object .

### **Participants Response:**

The 3<sup>rd</sup> year B.Tech students of the civil engineering branch has participated and they found the training programme enthusiastic and enriching. All the participants feel satisfactory about training .

  
CONVENOR

  
HOD

  
PRINCIPAL



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### A Brief Report on Workshop

Title: "WEB DESIGNING USING HTML AND J-QUERY"

Conducted by: Department of Computer Science and Engineering

Held on: 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> July 2014

Aiming to provide an intense training on practical oriented subjects at undergraduate level for college student and faculty, a three day Workshop on "Web Designing using HTML and J-Query" is held on 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> July, 2014 at DNR College of Engineering & Technology, DNR Campus, Bhimavaram. Speaking on the occasion, Dr. U. Rangu Raju, Principal said "We cannot always build the future for our youth, but we can build our youth for the future". Remember "The reward of every good action will be good only". In addition to quality education, the college provides continuous support and assistance to the students in achieving their potential goals. I wish you every success; hope that you have a great time with us.

Sri D.D.D. Suri Babu, HOD-CSE said "the process of teaching is mutual learning for both teachers and students. We should move from the attitude of 'I do, you do' to an effective and inclusive approach of 'we do'." The department of CSE is a vibrant educational community of exemplary standards, with commitment to high quality education, and rigorous academic environment, since the beginning.

Mr. N. Rajesh Babu, IT Head, GLOBAL IT Solutions, Hyderabad, delivered a lecture on Web Designing using HTML and J-Query. The event was basically designed to bring the college students and teachers in Bhimavaram on a single platform and share the information on teaching strategies needed for effective learning process in computer science engineering. Around sixty to Seventy Students and faculty of CSE Department participated in this program. Mr. M.S.V.V. Ramesh, Assistant Professor in Computer Science and Engineering, acted as a Coordinator for the event.

  
Convener





# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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## REPORT ABOUT THE PROGRAMME

**Title Of The Workshop :** ENTREPRENEURSHIP ORIENTATION

**Inauguration Date & Venue:** 08.07.2014, Seminar Hall

**Training centre:** DNR College Of Engineering & Technology

**Training Period:** One Day

**Resource person:** Sri. P. Ravi Kumar

(Chief/zonal General manager south, NSIC, A.P)

**Chief Guests:** Sri G.V.Narasimha Raju,

President, DNR College Association

Sri G.Satyanarayana Raju (Babu)

Secretary & Correspondent, DNR College Association

**Inauguration:** Dr. U.Ranga Raju,

Principal, DNR College of Engineering & Technology

**No of Students Attended :** 171

**Concept:**

In this workshop Mr.Ravi Kumar explained about entrepreneur qualities and detail stages in entrepreneurial process. And various Government policies which are helpful to be a Entrepreneur. He also explained about various leadership qualities which are helpful to run the company. He also explained about firm-level strategic orientation which captures an organization's strategy

  
Convener

  
Principal



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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Name of the programme: A One day seminar on Stress Management for students

Date: 24/07/2014

Venue of the programme: DNR CET Seminar hall

## REPORT ABOUT THE PROGRAMME

We at DNR College of Engineering & Technology organized a one day seminar on "Stress Management for students", to bring awareness about managing time for the B.Tech students. The Seminar is inaugurated by Sri G.Satyanarayanaraju(Babu), Secretary and Correspondent and Dr.U.Ranga Raju, Principal, DNR College of Engineering and Technology, Bhimavaram.

Resource person Dr B V Pattabhiram, Prashanti Counselling and HRD Center, Hyderabad has covered the types of stress, explained various types of stress busters, different ways to combat with stress. This programme is intended to help the students to handle the stress with respect to exams, hectic schedules in their academics and so on. The resource person has explained everything with live examples.

  
Coordinator

  
Principal

**Department of Electrical & Electronics Engineering**  
**DNR COLLEGE OF ENGINEERING & TECHNOLOGY**

*(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)*

**CO- CURRICULUM ACTIVITIES**

**TITLE OF THE PROGRAMME: OVERVIEW OF THERMAL POWER PLANTS**

**Inauguration Date: 25-07-2014**

**Venue: D.N.R COLLEGE OF ENGINEERING & TECHNOLOGY**

**Training Period: ONE DAY (25<sup>th</sup> JULY 2014)**

**Resource person: Mr. P.NAGESWARAO (SE, NTPC, KORBA)**

**Chief Guests: Sri G. V. Narasimha Raju,**

**President, DNR College Association**

**Sri G. Satyanarayana Raju (Babu)**

**Secretary & Correspondent, DNR College Association**

**Inauguration: Sri Dr. U. Ranga Raju,**

**Principal, DNR College of Engineering & Technology**

**Concept:** A one day seminar on "Overview of Thermal Power Plants" was organized by the Dept. of E.E.E., D.N.R College of Engineering & Technology, Bhimavaram 25<sup>th</sup> July 2014. The main theme of the conducting one day seminar is to share, discuss and exchange views on "Overview of Thermal Power Plants" to meet challenges in future. Mr. P.NAGESWARAO started the program and explained the importance of latest challenges in Thermal Power Plants. The event was inaugurated in the presence of Dr.U.Ranga Raju; Principal (DNRCEET). A good number of students and faculty participated in the event.

  
Convener

  
Principal



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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## PROGRAMME REPORT

Name of the programme: A Seminar on concrete mix designs

Date: 20-08-14

Resource person & Details: K V S N S R C Murthy, Deputy General Manager, Tata Projects.

Programme Description: The mix design a process of selecting suitable ingredients of concrete and determining their relative amounts with the objective of producing a concrete of the required, strength, durability, and workability as economically as possible, is termed the concrete mix design. As Per Indian Standard Code. The purpose of concrete mix design is to ensure the most optimum proportions of the constituent materials to fulfill the requirement of the structure being built.

Topics covered: In this seminar they covered what is meant by concrete mix design. The importance and purpose and best ratio and advantages and disadvantages. And how Indian standard (IS) is used for preparation of concrete mix design.

### Students Response:

The 2<sup>nd</sup> year B.tech students of the civil engineering branch has attended the seminar and said that the seminar is good and informative to them . They are willing to have these kind of seminars in future.

  
CONVENOR

  
HOD

  
PRINCIPAL



# DNR COLLEGE OF ENGINEERING & TECHNOLOGY

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Balusumudi, Bhimavaram, W. G. Dist. (A.P), Pin: 534202

## Department of Electronics and Communication Engineering

### PROGRAMME REPORT

**TITLE OF THE PROGRAMME:** A two day workshop on “**RTL Design and Functional Verification**”

**DATE & VENUE:** 11<sup>th</sup> September 2014, Diamond Jubilee Seminar Hall.

**Resource Person:** Mr.K.Bala Nitish Chaitanya, Layout Design Engineer,  
EXIGER PVT Ltd, Bangalore.

**Chief-Guests:** Sri G.V.Narnsimha Raju,  
Hon'ble President, DNR College Association.

Sri G. Satyanarayana Raju (Babu),  
Hon'ble Secretary & Correspondent, DNR College Association

**Inauguration:** Sri Dr.U.Ranga Raju,  
Principal, DNR College of Engg. & Tech.

**Convener:** Mr K.Venkanna Naidu,  
HOD, Department of ECE

**Concept:** In digital circuit design, register-transfer level (RTL) is a design abstraction which models a synchronous digital circuit in terms of the flow of digital signals (data) between hardware registers, and the logical operations performed on those signals. Register-transfer-level abstraction is used in hardware description languages (HDLs) like Verilog and VHDL to create high-level representations of a circuit, from which lower-level representations and ultimately actual wiring can be derived. Design at the RTL level is typical practice in modern digital design.

  
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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### A Brief Report on Seminar

On "IT DEVELOPMENT AND STUDENT ROLE"

Conducted by: Department of Computer Science and Engineering

Held on 15<sup>th</sup> September 2014

Aiming to provide an intense training on practical oriented subjects at undergraduate level for college student and faculty, a one day Seminar on "IT Development and Student Role" is held on 15<sup>th</sup> September, 2014 at DNR College of Engineering & Technology, DNR Campus, Bhimavaram. Speaking on the occasion, Dr. U. Ranga Raju, Principal of DNRCEET said "We must never forget our teachers and our lecturers. In their individual capacities have contributed to our academic, professional and personal development". In addition to quality education, the college provides continuous support and assistance to the students in achieving their potential goals. I wish you every success; hope that you have a great time with us.

Sri D.D.D. Suri Babu, HOD-CSE said "My priority is not about grades. I yearn for knowledge, skills and wisdom" The department of CSE is a vibrant educational community of exemplary standards, with commitment to high quality education, and rigorous academic environment, since the beginning.

Mr. Naveen Kumar Reddy, Head, COIGN Consultants Pvt. Ltd., Hyderabad, delivered a lecture on IT Development and Student Role. The event was basically designed to bring the college students and teachers in Bhimavaram on a single platform and share the information on teaching strategies needed for effective learning process in computer science engineering. Around Seventy Students and faculty of CSE Department participated in this program. Mr. B. Nandan Kumar, Assistant Professor in Computer Science and Engineering, acted as a Coordinator for the event.

  
Convener



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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## REPORT ABOUT THE PROGRAMME

**TITLE OF THE PROGRAMME:** Modern Inspection Technologies

**Inauguration Date & Venue:** 19<sup>th</sup> September 2014, seminar hall

**Training center:** DNR College Of Engineering & Technology

**Training Period:** One Day

**Resource person:** Sri T.Meher Pretham, Consultant, VIDAL NDT, Vijayawada

**Chief Guests:** Sri G. V. Narasimha Raju,

President, DNR College Association

Sri G. Satyanarayana Raju (Babu)

Secretary & Correspondent, DNR College Association

**Inauguration:** Dr. U. Ranga Raju,

Principal, DNR College of Engineering & Technology

**No of students attended:** 161

### **Concept:**

In this seminar Mr.Meher Pretham gave a brief introduction about Modern Inspection technologies. He discussed about various techniques in inspection process. And he also explained ISO9000 standards that are considered in designing of products. He also discussed about Modern maintenance technologies with smart gadgets.

  
Convener

  
Principal



## **Department of Electronics and Communication Engineering**

### **PROGRAMME REPORT**

**TITLE OF THE PROGRAMME:** A one day seminar on "Real Time Embedded systems"

**DATE & VENUE :** 15<sup>th</sup> Oct 2014, Diamond Jubilee Seminar Hall

**Resource Person :** Mr.S.Vamsi Krishna, Embedded Engineer,  
Hyderabad.

**Chief-Guests:** Sri G.V. Narasimha Raju,  
Hon'ble President, DNR College Association.

Sri G. Satyanarayana Raju (Babu),  
Hon'ble Secretary & Correspondent, DNR College Association

**Inauguration:** Sri Dr. U. Ranga Raju,  
Principal, DNR College of Engg. & Tech.

**Convener:** Mr.K.Venkanna Naidu  
HOD, Department of ECE

**Concept:** A Real Time Embedded System (RTES) an RTES is essentially a special-purpose computational system built into another machine with the sole purpose of controlling the embedded. Many embedded systems must continually react to events and processes in the system's environment and must compute results in real time. For example, an industrial controller continually monitors and reacts to process the signals generated by analog and digital sensors. It must compute control inputs and must generate outputs repeatedly within a limited time to actuators and indicators a delayed computation could result in a failure to maintain control of the industrial process. In contrast, a desktop computer system typically focuses on computations, with relatively infrequent (from the computer's perspective) reactions to input devices. In addition, a delay in those computations, while perhaps inconvenient to the user, typically does not result in a system failure.

  
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## PROGRAMME REPORT

**Name of the programme:** A Seminar on utilisation of river water

**Date:** 05-11-14

**Resource person & Details:** L.V Narayana, Rtd. Supdt. Engineer,I&CAD.

**Programme Description:** This seminar describes the findings of efficient utilization of river water. Due to environmental problem (deforestation) the rainfall becomes erratic so that farmers tried to shift their water utilization towards both surface and ground water.

As agricultural river water use is generally accepted as the largest user of river water resource within a given river basin, and therefore contributes at large to depletion and degradation of resource. Special attention, in the context of river water use for agriculture will be attributed to efficient use of river water at the basin level; rather than considering in the inefficiencies. River water, once considered a free good and abundantly available resource in present days.

### **Topics covered:**

- To analyze the constraints for efficient utilization of river water for irrigation purposes.
- To forward suggestions to minimize or to avoid these constraints.

### **Students Response:**

The 2<sup>nd</sup> year B.Tech students of the civil engineering branch has attended the seminar and said that the seminar is good and informative to them . They are willing to have these kind of seminars in futher.

CONVENOR

AHQD

PRINCIPAL



**DNR COLLEGE OF ENGINEERING & TECHNOLOGY**

*Approved by AICTE, New Delhi - affiliated to JNTUK, Kalamata*

*Rajusamuli, Bhimavaram, W. G. Dist, CA.P., Pin: 534202*

## **Department of Electronics and Communication Engineering**

### **PROGRAMME REPORT**

**TITLE OF THE PROGRAMME : A one day seminar on "Digital Signal Processing"**

**DATE & VENUE : 20<sup>th</sup> Jan 2015, Diamond Jubilee Seminar Hall**

**Resource Person : Mr.G.Kiran Kumar, Executive Engineer,  
ONGC, Rajahmundry.**

**Chief-Guests: Sri G.V. Narasimha Raju,  
Hon'ble President, DNR College Association.  
Sri G. Satyanarayana Raju (Babu),  
Hon'ble Secretary & Correspondent, DNR College Association**

**Inauguration: Sri Dr. U. Ranga Raju,  
Principal, DNR College of Engg. & Tech.**

**Convener: Mr.K.Venkanna Naidu  
HOD, Department of ECE**

**Concept:** Signals may have to be transformed in order to amplify or filter out embedded information, detect patterns, prepare the signal to survive a transmission channel, prevent interference with other signals sharing a medium, undo distortions contributed by a transmission channel, compensate for sensor deficiencies, find information encoded in a different domain. We also need the methods to measure: characterise, model and simulate transmission channels, mathematical tools that split common channels and transformations into easily manipulated building blocks. Analog/digital and digital/analog converter, CPU, DSP, ASIC, FPGA.

**Advantages:** noise is easy to control after initial quantization, highly linear (within limited dynamic range), complex algorithms fit into a single chip, flexibility, parameters can easily be varied in software, digital processing is insensitive to component tolerances, aging, environmental conditions, electromagnetic interference

  
CONVENER

  
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# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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## PROGRAMME REPORT

Name of the programme: A Seminar on ground water development Techniques

Date: 04-02-15

Resource person & Details: S. Hari Babu, CE, I&CAD

**Programme Description:** A Seminar on how, the explosive growth and uneven distribution of population, poor irrigation practices, rapid urbanization/industrialization, large-scale deforestation and improper land use practices have induced the depletion and pollution of both the surface and groundwater resources in India. On this basis, how remote sensing and Geographical Information System (GIS) technic is used and done based model which takes in account of local condition/variations has been developed specifically for mapping groundwater prospects.

**Topics covered:** topics covered are what is meant by ground water development and management. How the modern technics are used to develop the ground water development and remote sensing and Geographical Information System (GIS) technic is used. And also the advantages.

### **Students Response:**

The 2<sup>nd</sup>, 3<sup>rd</sup> year B.Tech students of the civil engineering branch has attended the seminar and said that the seminar is good and informative to them . They are willing to have these kind of seminars in futher.

  
CONVENOR

  
HOD

  
PRINCIPAL

**Department of Electrical & Electronics Engineering  
DNR COLLEGE OF ENGINEERING & TECHNOLOGY**

*(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)*

**CO- CURRICULUM ACTIVITIES**

**TITLE OF THE PROGRAMME: RAILWAY ELECTRICAL SYSTEMS**

**Inauguration Date: 27-02-2015**

**Venue: D.N.R COLLEGE OF ENGINEERING & TECHNOLOGY**

**Training Period: ONE DAY (27<sup>th</sup> FEB 2015)**

**Resource person: Mr. S.K.BANIK (Sr.SE, ECOR, VIZAG)**

**Chief Guests: Sri G. V. Narasimha Raju,**

President, DNR College Association

**Sri G. Satyanarayana Raju (Babu)**

Secretary & Correspondent, DNR College Association

**Inauguration: Sri Dr. U. Ranga Raju,**

Principal, DNR College of Engineering & Technology

**Concept:** A one day seminar on "Railway Electrical Systems" was organized by the Dept. of E.E.E., D.N.R College of Engineering & Technology Bhimavaram 27<sup>th</sup> Feb 2015. The main theme of the conducting one day seminar is to share, discuss and exchange views on present Railway Electrical Systems. Mr.S.K.Banik started the program and explained the importance of latest challenges in railway electrical systems. The event was inaugurated in the presence of Dr.U.Ranga Raju; Principal (DNR CET). A good number of students and faculty participated in the event.

  
Convener

  
Principal



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi, Affiliated to JNTUK, Kakinada)

Bahusumudi, Bhimavaram, W.G. Dist., A.P., PIN-534 202

Tel : 08816-221237, 9666188519, Fax : 08816-221236, Email : [info@dnrcet.org](mailto:info@dnrcet.org), Website : [www.dnrcet.org](http://www.dnrcet.org)

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### A Brief Report on Seminar

#### On "DATA MINING AND ITS IMPORTANCE"

Conducted by: Department of Computer Science and Engineering

Held on 4<sup>th</sup> March 2015

Aiming to provide an intense training on practical oriented subjects at undergraduate level for college student and faculty, a one day seminar on "Data Mining and Its Importance" is held on 4<sup>th</sup> March, 2015 at DNR College of Engineering & Technology, DNR Campus, Bhimavaram. Speaking on the occasion, Dr. U. Ranga Raju, Principal of DNRCET said "Not a moment passes these days without fresh rushes of academic lemmings off the cliffs they proclaim the political responsibilities of the critic, but eventually all this moralizing will subside". In addition to quality education, the college provides continuous support and assistance to the students in achieving their potential goals. I wish you every success; hope that you have a great time with us.

Sri D.D.D. Suri Babu, HOD-CSE said "the process of teaching is mutual learning for both teachers and students. Education is not merely meant for you to write and pass exams, get a good job and a good spouse, and settle down for survival". The department of CSE is a vibrant educational community of exemplary standards, with commitment to high quality education, and rigorous academic environment, since the beginning.

Mr. Sri Hari Raju, IT Head, COIGN Consultants Pvt. Ltd., Hyderabad, delivered a lecture on Data Mining and its Importance. The event was basically designed to bring the college students and teachers in Bhimavaram on a single platform and share the information on teaching strategies needed for effective learning process in computer science engineering. Around sixty Students and faculty of CSE Department participated in this program. Mr. N. Sarath Babu, Assistant Professor in Computer Science and Engineering, acted as a Coordinator for the event.

  
Convener



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Name of the programme: "Intellectual Property Rights- Issues and challenges"

Date: 12/03/2015

Venue of the programme: DNR CET Seminar hall

## REPORT ABOUT THE PROGRAMME

We at DNR College of Engineering & Technology organized a one day seminar on "Intellectual Property Rights-Issues and Challenges", to bring awareness about IPR and its importance to the B.Tech students. The Seminar is inaugurated by Sri G.Satyanarayanaraju(Babu), Secretary and Correspondent and Dr.U.Ranga Raju, Principal, DNR College of Engineering and Technology, Bhimavaram.

Resource person Dr M Kantababu, Director Centre for IPR, Anna University

The main purpose of intellectual property law is to encourage the creation of a large variety of intellectual goods. To achieve this, the law gives people and businesses property rights to the information and intellectual goods they create – usually for a limited period of time. Your IP rights are important because they can set your business apart from competitors. Be sold or licensed, providing an important revenue stream. It is critical to fostering innovation. Without protection of ideas, businesses and individuals would not reap the full benefits of their inventions and would focus less on research and development.

This programme is intended to create awareness about the significance of IPR to young engineers in protecting their creations.

  
Coordinator

  
Principal



**DNR COLLEGE OF ENGINEERING & TECHNOLOGY**

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*(Autonomous, Bhimavaram, W. G. Dist.(A.P), Pin:534202)*

## **Department of Electronics and Communication Engineering**

### **PROGRAMME REPORT**

✓ **TITLE OF THE PROGRAMME :** A two day workshop on “ **Optisim and Modesys**”

**DATE & VENUE :** 26<sup>th</sup> & 27<sup>th</sup> March 2015, Diamond Jubilee Seminar Hall.

**Resource Person :** Mr.CH.SANTHOSH KUMAR, JTO  
BSNL, SHILLONG.

**Chief-Guests:** Sri G.V.Narasimha Raju,  
Hon'ble President, DNR College Association.  
Sri G. Satyanarayana Raju (Babu),  
Hon'ble Secretary & Correspondent, DNR College Association

**Inauguration:** Sri Dr.U.Ranga Raju,  
Principal, DNR College of Engg. & Tech.

**Convener:** Mr K.Venkanna Naidu,  
HOD, Department of ECE

**Concept:** ModeSY topology that implements end-to-end 1-Gb/s PAM-4 transmission over 1-mm diameter SI-POF. ModeSYS simulates the fiber using a computationally efficient model based on the Gloge power-flow equation, while MATLAB co-simulation models the transmitter and receiver DSP using a mix of functions from the RSoft OptSim DSP Library for MATLAB and custom routines. The transmitter generates an electrical PAM-4 signal with Nyquist pulse shaping and pre-emphasis filtering, and the receiver DSP uses an LMS equalization algorithm to recover the transmitted symbols and analytically estimate the BER

  
CONVENER

  
PRINCIPAL



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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Date: 30/04/2015

Name Of The Seminar : CO GENERATION POWER PLANT

Place : DNR College Of Engineering & Technology, Seminar Hall

## REPORT ABOUT THE PROGRAMME

### Resource Person :

1. Sri M.R.K. Mohan Roy, Sr. Deputy General Manager Engg.
2. Sri. K. Bhaskar Rao, Sr. Deputy General Manager (Power Plant).
3. Sri. K.V.R. Satyanarayana, Manager Electrical & Energy Delta Paper Mill Ltd. Vendra

**Organizing Committee:** Patron : Sri G. V. NARASIMHA RAJU  
Hon. President,  
DNR College Association

Vice Patron : Sri G. SATYANARAYANA RAJU  
Hon. Secretary & Correspondent  
DNR College Association

Chief Advisor: Dr. U. RANGA RAJU  
Principal, DNR CET

Executive Authority : Sri. M. JAGANNADHAM  
Head of the Dept. of Mechanical Engineering, DNR CET

Total no. of Students Attended: 169

### Topics covered in the seminar:

In this seminar they gave brief discussion about Basic components of a power plant like generator, turbines, condenser, and various safety valves. And also explained about Layout of co-generative power plant. And they also explained procedure for Generation of steam. He also explained about Plant performance factors.

  
convener

  
Principal





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Date:20/07/2015

**Name Of The Seminar :** CAREER OPPORTUNITIES THROUGH GATE.

**Place :** DNR College Of Engineering & technology, Seminar Hall

## REPORT ABOUT THE PROGRAMME

**Resource Person:** Sri Amartya Singh, course director, T.I.M.E

**Organizing Committee: Patron :** Sri G. V. NARASIMHA RAJU

Hon. President,  
DNR College Association

**Vice Patron :** Sri G.SATYANARAYANA RAJU

Hon. Secretary & Correspondent  
DNR College Association

**Chief Advisor:** Dr. U. RANGA RAJU

Principal, DNR CET

**Executive Authority :** Sri. M.JAGANNADHAM

Head of the Dept. of Mechanical Engineering, DNR CET

**Total no. of Students Attended:** 143

### Topics covered in the seminar:

In this seminar Mr. Amartya Singh gave a brief discussion about GATE refers to the Graduate Aptitude Test in Engineering. And he also motivate the student to go for higher education like Postgraduate (M.Tech). And he also discussed about Public Sector Undertaking (PSU) Entrance through Gate. He also explained to enter into the Fellowship Program in Management (FPM) through Gate.

  
convener

  
Principal



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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Tel : 08816 31133, 0881888319, Fax : 08816 311336, Email : info@dnrcet.org, Website : www.dnrcet.org

## PROGRAMME REPORT

Name of the programme: A Seminar on project management

Date: 22-07-18

Resource person & Details: M.N.R Gupta, Project Planning consultant, Oman.

Programme Description: Project management is the practice of initiating, planning, executing, controlling, and closing the work of a team to achieve specific goals and meet specific success criteria at the specified time. A project is a temporary endeavor designed to produce a unique product, service or result with a defined beginning and end undertaken to meet unique goals and objectives. The temporary nature of projects stands in contrast with business as usual which are repetitive, permanent, or semi-permanent functional activities to produce products or services. In practice, the management of such distinct production approaches requires the development of distinct technical skills and management strategies.

### Topics covered:

In project management how to achieve all of the project goals within the given constraints. This seminar usually described in project documentation and how to development process. The primary constraints are scope, time, quality and budget. The object of project management is to produce a complete project which complies with the client's objectives.

### Students Response:

The 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> year B.Tech students of the civil engineering branch has attended the seminar and said that the seminar is good and informative to them. They are willing to have these kind of seminars in futher.

  
CONVENOR

  
HOD

  
PRINCIPAL



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### A Brief Report on Workshop

**Title: "ANDROID MOBILE APPLICATION DEVELOPMENT"**

**Conducted by: Department of Computer Science and Engineering**

**Held on: 31<sup>st</sup> July, 1<sup>st</sup> and 2<sup>nd</sup> August 2015**

Aiming to provide an intense training on practical oriented subjects at undergraduate level for college student and faculty, a three day Workshop on "Android Mobile Application Development" is held on 31<sup>st</sup> July, 1<sup>st</sup> and 2<sup>nd</sup> August 2015 at DNR College of Engineering & Technology, DNR Campus, Bhimavaram. Speaking on the occasion, Dr. U. Ranga Raju, Principal said "All education in life does not come at the hands of teachers. All learning does not take place in classrooms and labs, The reward of every good action will be good only". In addition to quality education, the college provides continuous support and assistance to the students in achieving their potential goals. I wish you every success; hope that you have a great time with us.

Sri D.D.D. Suri Babu, HOD-CSE said "For most of us, experience will be one of our best teachers. We just need to be self-aware enough to notice the lessons and learn from the mistakes". The department of CSE is a vibrant educational community of exemplary standards, with commitment to high quality education, and rigorous academic environment, since the beginning.

Mr. Naveen Kumar Reddy, Head, COIGN Consultants Pvt. Ltd., Hyderabad, delivered a lecture on Android Mobile Application Development. The event was basically designed to bring the college students and teachers in Bhimavaram on a single platform and share the information on teaching strategies needed for effective learning process in computer science engineering. Around sixty to Seventy Students and faculty of CSE Department participated in this program. Mr. B. Nandan Kumar, Assistant Professor in Computer Science and Engineering, acted as a Coordinator for the event.

  
Convener



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Date: 04/08/2015

**Name Of The Seminar :** FATIGUE FRACTURE AND DAMAGE TOLERANCE DESIGN

**Place:** DNR College Of Engineering & Technology, Seminar Hall

## REPORT ABOUT THE PROGRAMME

**Resource Person:** Sri. M.Srinivasa Pavan, Sr. Teamlead CYIENT Ltd ( DRDO)

**Organizing Comittee:** Patron : Sri G. V. NARASIMHA RAJU

Hon. President,  
DNR College Association

**Vice Patron :** Sri G.SATYANARAYANA RAJU

Hon. Secretary & Correspondent  
DNR College Association

**Chief Advisor:** Dr. U. RANGA RAJU

Principal, DNR CET

**Executive Authority :** Sri. M.JAGANNADHAM

Head of the Dept. of Mechanical Engineering, DNR CET

**Total no. of Students Attended:** 147

**Topics covered in the seminar:**

In this seminar Mr.Srinivasa gave a brief Introduction on fatigue fracture and damage tolerancc. He also explained the Principles of fatigue design and also fatigue design processes. He also discussed about Damage tolerance of railway axles. And also he explained about various industrial application of structures. He also explained about the various tolerances that considers in designing of structures.

  
convener

  
Principal

**Department of Electrical & Electronics Engineering**  
**DNR COLLEGE OF ENGINEERING & TECHNOLOGY**

*(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)*

**CO- CURRICULUM ACTIVITIES**

**TITLE OF THE PROGRAMME: PLC & SCADA AUTOMATION**

**Inauguration Date: 13-08-2015**

**Venue: D.N.R COLLEGE OF ENGINEERING & TECHNOLOGY**

**Training Period: TWO DAYS (13<sup>th</sup> & 14<sup>th</sup> AUGUST 2015)**

**Resource person: Mr. VINAY MITTAL**

*(Application Engineer Roxent Technologies)*

**Chief Guests: Sri G. V. Narasimha Raju,**

*President, DNR College Association*

**Sri G. Satyanarayana Raju (Babu)**

*Secretary & Correspondent, DNR College Association*

**Inauguration: Sri Dr. U. Ranga Raju,**

*Principal, DNR College of Engineering & Technology*

**Concept:** A TWO DAYS WORKSHOP ON PLC & SCADA AUTOMATION was organized by the Dept. of E.E.E., D.N.R College of Engineering & Technology Bhimavaram on 13<sup>th</sup> & 14<sup>th</sup> August 2015. The main theme of the conducting two days workshop is to share, discuss and exchange views on PLC & SCADA for the development of society. Mr. Vinay Mittal from Roxent Technologies started the program and explained the importance of PLC in present society. The event was inaugurated in the presence of Dr. U. Ranga Raju; Principal (DNR CET). The main objective of the workshop was to train the students on PLC SCADA Automation. A total of 50 students actively participated in the above event

  
Convener

  
Principal



# DNR COLLEGE OF ENGINEERING & TECHNOLOGY

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Balusumudi, Bhimavaram, W. G. Dist.(A.P), Pin:534202

## Department of Electronics and Communication Engineering

### PROGRAMME REPORT

**TITLE OF THE PROGRAMME : A one day seminar on "Signal and Speech Processing"**

**DATE & VENUE : 18<sup>th</sup> August 2015, Seminar Hall, DNR College of Engg & Tech.**

**Resource Person : Mr. U.Anil Kumar, Associate Professor  
IIT, Hyderabad.**

**Chief-Guests: Sri G.V. Narasimha Raju,  
Hon'ble President, DNR College Association.**

**Sri G. Satyanarayana Raju (Babu),  
Hon'ble Secretary & Correspondent, DNR College Association**

**Inauguration: Sri Dr. U. Ranga Raju,  
Principal, DNR College of Engg. & Tech.**

**Convener: Mr.K.Venkanna Naidu  
HOD, Department of ECE**

**Concept:** The fundamental purpose of speech is communication, i.e., the transmission of messages. According to Shannon's information theory, a message represented as a sequence of discrete symbols can be quantified by its information content in bits, and the rate of transmission of information is measured in bits/second (bps). In speech production, as well as in many human-engineered electronic communication systems, the information to be transmitted is encoded in the form of a continuously varying (analog) waveform that can be transmitted, recorded, manipulated, and ultimately decoded by a human listener. In the case of speech, the fundamental analog form of the message is an acoustic waveform, which we call the speech signal.

  
CONVENER

  
PRINCIPAL



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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## PROGRAMME REPORT

**Name of the programme:** A Workshop on Earthquake Resistant Design Structures

**Date:** 21-09-15

**Resource person & Details:** P Vijay kumar, Head construction Dept., KL Demeed university.


**Programme Description:** Seismic Design or Earthquake-resistant construction refers to designing structures which can withstand Earthquakes. The Seismic Design of Buildings workshop primarily aims at familiarizing the participants with design of buildings and structures subject to seismic loading.

**Topics covered:** this workshop aims the introduction to the earthquake design structures, and efficiently perform on earthquake resistance and design of RC framed buildings and water tanks.

**Students Response:**

The 2<sup>nd</sup> year B.Tech students of the civil engineering branch has attended the seminar and said that the seminar is good and informative to them. They are willing to have these kind of seminars in future.

  
CONVENOR

  
HOD

  
PRINCIPAL

**Department of Electrical & Electronics Engineering**  
**DNR COLLEGE OF ENGINEERING & TECHNOLOGY**

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**CO- CURRICULUM ACTIVITIES**

**TITLE OF THE PROGRAMME:** PLC AUTOMATION

**Inauguration Date:** 29-10-2015

**Venue:** D.N.R COLLEGE OF ENGINEERING & TECHNOLOGY

**Training Period:** ONE DAY (29<sup>th</sup> OCTOBER 2015)

**Resource person:** Mr. N.BHANU PRASAD (Sr.Engineer, Siemens)

**Chief Guests:** Sri G. V. Narasimha Raju,

President, DNR College Association

Sri G. Satyanarayana Raju (Babu)

Secretary & Correspondent, DNR College Association

**Inauguration:** Sri Dr. U. Ranga Raju,

Principal, DNR College of Engineering & Technology

**Concept:** A Three Days workshop on "PLC AUTOMATION" was organized by the Dept. of E.E.E., D.N.R College of Engineering & Technology Bhimavaram on 29<sup>th</sup> October 2015. The main theme of the conducting one day seminar is to share, discuss and exchange views on PLC Implementation in present industries. Mr. N. BHANU PRASAD from Siemens started the program and explained the importance of PLC Automation. The event was inaugurated in the presence of Dr. U. Ranga Raju; Principal (DNR CET). The main objective of the seminar was to train the students on Implementation of PLC. A good number students and faculty actively participated in the above event.

  
Convener

  
Principal



**Department of Electrical & Electronics Engineering**  
**DNR COLLEGE OF ENGINEERING & TECHNOLOGY**

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**CO- CURRICULUM ACTIVITIES**

**TITLE OF THE PROGRAMME: ELECTRICAL AIDED COMPUTER DESIGN**

**Inauguration Date: 02-11-2015**

**Venue: D.N.R COLLEGE OF ENGINEERING & TECHNOLOGY**

**Training Period: TWO DAYS (02<sup>nd</sup> & 03<sup>rd</sup> NOVEMBER 2017)**

**Resource person: Mr. CHANDAN GUPTA (IMAT Technologies)**

**Chief Guests: Sri G. V. Narasimha Raju,**

President, DNR College Association

**Sri G. Satyanarayana Raju (Babu)**

Secretary & Correspondent, DNR College Association

**Inauguration: Sri Dr. U. Ranga Raju,**

Principal, DNR College of Engineering & Technology

**Concept:** A Two Days workshop on "ECAD" was organized by the Dept. of E.E.E., D.N.R College of Engineering & Technology Bhimavaram on 02<sup>nd</sup> & 03<sup>rd</sup> November 2015. The main theme of the conducting two days workshop is to share, discuss and exchange views on ECAD and its implementation in research and industry. Mr. Chandan Gupta from IMAT Technologies started the program and explained the importance of ECAD. The event was inaugurated in the presence of Dr. U. Ranga Raju; Principal (DNR CET). The main objective of the workshop was to train the students on ECAD. A total of 34 students and faculty actively participated in the above event.

  
Convener

  
Principal



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### A Brief Report on Seminar

On "JAVA and DOTNET Technologies"

Conducted by: Department of Computer Science and Engineering

Held on 5<sup>th</sup> & 6<sup>th</sup> November 2015

Aiming to provide an intense training on practical oriented subjects at undergraduate level for college student and faculty, a two day seminar on "JAVA and DOTNET Technologies" is held on 5th and 6th November, 2015 at DNR College of Engineering & Technology, DNR Campus, Bhimavaram. Speaking on the occasion, Dr. U. Ranga Raju, Principal of DNR CET said "Academic' is defined as 'of, or relating to, institutionalized education and scholarship'. The same word, at the same time, also means 'having little practical use or value, as by being overly detailed, unengaging or theoretical". In addition to quality education, the college provides continuous support and assistance to the students in achieving their potential goals. I wish you every success; hope that you have a great time with us.

Sri D.D.D. Suri Babu, HOD-CSE said "Academically fools exist too. They can pose the awkward problems within academic values than just the simple fools". The department of CSE is a vibrant educational community of exemplary standards, with commitment to high quality education, and rigorous academic environment, since the beginning.

Mr. Kishore Kumar, Technical Head, VXL IT Academy, Vijayawada, delivered a lecture on Java and DotNet Technologies. The event was basically designed to bring the college students and teachers in Bhimavaram on a single platform and share the information on teaching strategies needed for effective learning process in computer science engineering. Around sixty Students and faculty of CSE Department participated in this program. Mr. N. Sarath Babu, Assistant Professor in Computer Science and Engineering, acted as a Coordinator for the event.

  
Convener



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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## REPORT ABOUT THE PROGRAMME

**Title Of The Workshop:** LINE FOLLOWER ROBOT

**Inauguration Date & Venue:** 21.11.2015, Seminar Hall

**Training centre:** DNR College of Engineering & Technology

**Training Period:** One Day

**Resource person:** Sri.Sk.Shafi

(Senior Designer, Robosoft systems, Bangalore)

**Chief Guests:** Sri G.V.Narasimha Raju,

President, DNR College Association

Sri G. Satyanarayana Raju (Babu)

Secretary & Correspondent, DNR College Association

**Inauguration:** Dr.U.Ranga Raju,

Principal, DNR College of Engineering & Technology

**No of Students Attended:** 145

### **Concept:**

In this work shop Mr. Sk.Shafi gave valuable information about Line following robot. His presentation started with basic definition of line following robot followed by different applications of the robot in defence and industries. Explained about main processing unit Arduino of the robot which performs all the logical operations along with commanding other components. Gave basic explanation to PID (Proportional-Integral-Derivative) Controller Algorithm

  
Convener

  
Principal



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## PROGRAMME REPORT

**Name of the programme:** A Seminar on importance of polavaram project

**Date:** 04-12-15

**Resource person & Details:** S. Hari Babu, CE, I&CAD

**Programme Description:** Polavaram Project is a multi-purpose irrigation project which has been accorded national project status by the central govt. The central idea behind the project was to transfer the water from godavari to the water deficit krishna basin Polavaram or Polavaram is a village in West Godavari district of the Indian state of Andhra Pradesh. The entire project was estimated to cost about 6.5 crore. The old final designs of Polavaram dam was planned at full reservoir level.

### Topics covered:

What is the purpose of polavaram, where it is was located, what is the budget of the polavaram project.

### Students Response:

The 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> year B.Tech students of the civil engineering branch has attended the seminar and said that the seminar is good and informative to them . They are willing to have these kind of seminars in futher.

  
CONVENOR

  
HOD

  
PRINCIPAL



# DNR COLLEGE OF ENGINEERING & TECHNOLOGY

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Balusumudi, Bhimavaram, W. G. Dist. (A.P), Pin: 534202

## Department of Electronics and Communication Engineering

### PROGRAMME REPORT

TITLE OF THE PROGRAMME: A two day workshop on "Embedded System Design using MSP430 Tiva Series Launch Pads & Booster Packs"

DATE & VENUE: 28<sup>th</sup> & 29<sup>th</sup> Dec 2015, Diamond Jubilee Seminar Hall.

Resource Person : Mr. B.SRAVAN KUMAR REDDY, ASST ENGINEER,  
APGENCO, VIJAYAWADA

Chief-Guests: Sri G.V.Narasimha Raju,  
Hon'ble President, DNR College Association.  
Sri G. Satyanarayana Raju (Babu),  
Hon'ble Secretary & Correspondent, DNR College Association

Inauguration: Sri Dr.U.Ranga Raju,  
Principal, DNR College of Engg. & Tech.

Convener: Mr K.Venkanna Naidu  
HOD, Department of ECE

Concept: The Texas Instruments Tiva C Series microcontrollers (MCUs) are low-power, versatile and smart devices. The Tiva C Series consists of several devices that feature different sets of peripherals and are targeted for various applications. The Tiva C Series MCUs provide both high performance for mixed-signal applications and low power architecture for power critical applications. The Tiva C Series MCUs are supported by Tiva Ware for C Series for software development. The Tiva EK-TM4C123GXL Launchpad kit is an easily available evaluation kit for users to get started with designing applications using Tiva C Series microcontroller.

  
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# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi, Affiliated to JNTUK, Kakinada)

BALUSUMUDI, BHIIMAVARAM, W.G.Dist., A.P., PIN-534 202

Tel : 08816-221237, 9666188519, Fax : 08816-221236, Email : info@dnrcet.org, Website : [www.dnrcet.org](http://www.dnrcet.org)

## PROGRAMME REPORT

**Name of the programme:** A Seminar on importance of is codes in design of structures

**Date:** 04-01-16,

**Resource person & Details:** K V Madhava Rao, Project Manager, Madhucon Constructions

**Programme Description:** Indian standard code for structural steel design and for concrete design for all types of structures are discussed. For example for Concrete Structures:-IS 456:2000 is used for the design of the concrete structures. IS 13920:2016 is used for the ductile design of Reinforced Concrete structures. For Steel Structures:-IS 800:2007 is used for the design of steel structures. And how these are used.

**Topics covered:** t the codes generally used, for any specialized design, any other code may also be referred which are not listed here. Codes discussed are for load calculations for design of concrete structures and steel structures.

### **Students Response:**

The 2<sup>nd</sup> year B.Tech students of the civil engineering branch has attended the seminar and said that the seminar is good and informative to them. They are willing to have these kind of seminars in futher.

  
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**DNR COLLEGE OF ENGINEERING & TECHNOLOGY**

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*Baltesumudi, Bhimavaram, W. G. Dist.(A.P), Pin:534202*

## **Department of Electronics and Communication Engineering**

### **PROGRAMME REPORT**

**TITLE OF THE PROGRAMME :** A one day seminar on **"Internet of Things and its Applications"**

**DATE & VENUE :** 11<sup>th</sup> Jan 2016, Diamond Jubilee Seminar Hall

**Resource Person :** Mr.S.Siva kumar, Embedded Design Engineer,  
Matchwell Tech Solutions, Hyderabad.

**Chief-Guests:** Sri G.V. Narasimha Raju,  
Hon'ble President, DNR College Association.

Sri G. Satyanarayana Raju (Babu),  
Hon'ble Secretary & Correspondent, DNR College Association

**Inauguration:** Sri Dr. U. Ranga Raju,  
Principal, DNR College of Engg. & Tech.

**Convener:** Mr.K.Venkanna Naidu  
HOD, Department of ECE

**Concept:** The Internet of Things (IoT) is the most promising area which penetrates the advantages of Wireless Sensor and Actuator Networks (WSAN) and Pervasive Computing domains. Different applications of IoT have been developed and researchers of IoT well identified the opportunities, problems, challenges and the technology standards used in IoT such as Radio-Frequency Identification (RFID) tags,sensors,actuators,mobilephones,etc.

  
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**Department of Electrical & Electronics Engineering**  
**DNR COLLEGE OF ENGINEERING & TECHNOLOGY**

*(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)*

**CO- CURRICULUM ACTIVITIES**

**TITLE OF THE PROGRAMME: LATEST TECHNOLOGIES IN COAL FIRED THERMAL POWER PLANTS**

**Inauguration Date: 21-01-2016**

**Venue: D.N.R COLLEGE OF ENGINEERING & TECHNOLOGY**

**Training Period: ONE DAY (21<sup>st</sup> JANUARY 2016)**

**Resource person: Mr.G.V.KANAKA RAO (NTTPS, VIJAYWADA)**

**Chief Guests: Sri G. V. Narasimha Raju,**

President, DNR College Association

**Sri G. Satyanarayana Raju (Babu)**

Secretary & Correspondent, DNR College Association

**Inauguration: Sri Dr. U. Ranga Raju,**

Principal, DNR College of Engineering & Technology

**Concept:** A one day seminar on "Latest Technologies In Coal Fired Thermal Power Plants" was organized by the Dept. of E.E.E., D.N.R College of Engineering & Technology Bhimavaram on 21<sup>st</sup> January 2016. The main theme of the conducting one day seminar is to share, discuss and exchange views on Thermal Power Plants for the development of society. Mr.G.V.Kanaka Rao from NTTPS Vijayawada started the program and explained the importance of thermal power plants. The event was inaugurated in the presence of Dr.U.Ranga Raju; Principal (DNR CET). The main objective of the workshop was to train the students on importance on thermal power plants. A good number of students and faculty actively participated in the above event.

  
Convener

  
Principal





# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi, Affiliated to JNTUK, Kakinada)

Bulusumudi, Bhimavaram, W.G.Dist., A.P., PIN-534 202

Tel : 08816-221237, 9666188519, Fax : 08816-221236, Email : info@dncet.org, Website : www.dncet.org

Date: 23/01/2016

Name Of The Seminar : DESIGN OF TRANSMISSION SYSTEMS.

Place : DNR College Of Engineering & Technology, Seminar Hall

## REPORT ABOUT THE PROGRAMME

**Resource Person:** Sri J.Srinivasa Rao, General Manger  
Varun Bharath Benz Ltd, Vijayawada

**Organizing Committee:** Patron : Sri G. V. NARASIMHA RAJU  
Hon. President,  
DNR College Association

Vice Patron : Sri G.SATYANARAYANA RAJU  
Hon. Secretary & Correspondent  
DNR College Association

Chief Advisor: Dr. U. RANGA RAJU  
Principal, DNR CET

Executive Authority : Sri. M.JAGANNADHAM  
Head of the Dept. of Mechanical Engineering, DNR CET

**Total no. of Students Attended: 143**

### Topics covered in the seminar:

In this seminar Mr.Srinivasa Rao gave a brief introduction on Design of various parts in transmission system. He discussed about Working of transmission system. And he gave various applications of transmission systems. He also discussed about various materials that are used to manufacture of transmission systems.

  
convener

  
Principal

**Department of Electrical & Electronics Engineering  
DNR COLLEGE OF ENGINEERING & TECHNOLOGY**

*(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)*

**CO- CURRICULUM ACTIVITIES**

**TITLE OF THE PROGRAMME:** MODERN CONTROL OF ELECTRICAL DRIVES

**Inauguration Date:** 08-02-2016

**Venue:** D.N.R COLLEGE OF ENGINEERING & TECHNOLOGY

**Training Period:** FOUR DAYS (08<sup>th</sup> -11<sup>th</sup> FEBRUARY 2017)

**Resource person:** Mr. PANKAJ SUKHLA (Millennium Technologies)

**Chief Guests:** Sri G. V. Narasimha Raju,

President, DNR College Association

**Sri G. Satyanarayana Raju (Babu)**

Secretary & Correspondent, DNR College Association

**Inauguration:** Sri Dr. U. Ranga Raju,

Principal, DNR College of Engineering & Technology

**Concept:** A Four Days workshop on "Modern Control of Electrical Drives" was organized by the Dept. of E.E.E., D.N.R College of Engineering & Technology Bhimavaram on 08<sup>th</sup> to 11<sup>th</sup> February 2016. The main theme of the conducting four days workshop is to share, discuss and exchange views on Modern Control of Electrical Drives for the development of industries. Mr. Suresh Varma from Millennium Technologies started the program and explained the importance of Control of Electrical Drives in present industry. The event was inaugurated in the presence of Dr. U. Ranga Raju; Principal (DNR CET). The main objective of the workshop was to train the students on Modern Control of Drives. A total of 71 students and faculty actively participated in the above event.

  
Convener

  
Principal



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### A Brief Report on Workshop

Title: "OBJECT ORIENTED PROGRAMMING THROUGH C++"

Conducted by: Department of Computer Science and Engineering

Held on 27<sup>th</sup> February 2016

Aiming to provide an intense training on practical oriented subjects at undergraduate level for college student and faculty, a one day Workshop on "Object Oriented Programming through C++" is held on 27<sup>th</sup> February 2016 at DNR College of Engineering & Technology, DNR Campus, Bhimavaram. Speaking on the occasion, Dr. U. Ranga Raju, Principal said "*Our ability to achieve success depends on the strength of our wings gained through knowledge and experience. The greater our knowledge and experience, the higher we can fly*". In addition to quality education, the college provides continuous support and assistance to the students in achieving their potential goals. I wish you every success; hope that you have a great time with us.

Sri D.D.D. Suri Babu, HOD-CSE said "*Learning starts with failure; the first failure is the beginning of education. We should move from the attitude of 'I do, you do' to an effective and inclusive approach of 'we do'.*" The department of CSE is a vibrant educational community of exemplary standards, with commitment to high quality education, and rigorous academic environment, since the beginning.

Mr. Siva Reddy, Head, VXL IT Academy, Vijayawada, delivered a lecture on Object Oriented Programming through C++. The event was basically designed to bring the college students and teachers in Bhimavaram on a single platform and share the information on teaching strategies needed for effective learning process in computer science engineering. Around sixty to Seventy Students and faculty of CSE Department participated in this program. Mr. L. Bujji Babu, Assistant Professor in Computer Science and Engineering, acted as a Coordinator for the event.

  
Convener



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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Date: 04/03/2016

Name Of The Seminar : QUALITY MANAGEMENT

Place : DNR College Of Engineering & Technology, Seminar Hall

## REPORT ABOUT THE PROGRAMME

**Resource Person:** Mr. T. Meher Pretham  
Consultant VIDAL NDT, Vijayawada

**Organizing Committee:** Patron : Sri G. V. NARASIMHA RAJU  
Hon. President,  
DNR College Association

Vice Patron : Sri G. SATYANARAYANA RAJU  
Hon. Secretary & Correspondent  
DNR College Association

Chief Advisor: Dr. U. RANGA RAJU  
Principal, DNR CET

Executive Authority : Sri. M. JAGANNADHAM  
Head of the Dept. of Mechanical Engineering, DNR CET

**Total no. of Students Attended: 137**

### Topics covered in the seminar:

In this seminar Mr. Meher Pretham gave a brief discussion about Quality planning, Quality assurance, Quality control, Quality improvement. He also discussed how the quality plays a vital role in all the manufacturing, designing industries. He also discussed about various tools in quality management.

  
convener

  
Principal



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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## PROGRAMME REPORT

**Name of the programme:** A Workshop on e-tabs software.

**Date:** 07-07-16

**Resource person & Details:** V. Bhaskara Rao, Design labs, Autodesk Authorised Academic Partner, Hyderabad.

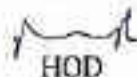
**Programme Description:** ETABS full form is extended three-Dimensional analysis of building system. It is a kind of software generally used for structural analysis of building or any structure. ETABS is a highly efficient analysis and design program developed especially for building systems. It is loaded with an integrated system with an ability to handle the largest and most complex building models and configurations.

**Topics covered:** The course aims to offer comprehensive knowledge on the ETABS software and its applications. The course will help the candidates to acquire in-depth details about the different procedures and simplified analysis aspects of the design models. The certification converts a candidate into an expert that is ready to work in the civil design industry.

### **Students Response:**

The 3<sup>rd</sup> year B.Tech students of the civil engineering branch has attended the seminar and said that the seminar is good and informative to them. They are willing to have these kind of seminars in future.

  
CONVENOR

  
HOD

  
PRINCIPAL



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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Name of the programme: One day National level seminar on "Awareness Workshop on IPR, Patents and Patentability Assessment"

Date: 16/08/2016

Venue of the programme: DNRCET Seminar hall

## REPORT ABOUT THE PROGRAMME

We at DNR College of Engineering & Technology organized a one day National level seminar on "Awareness Workshop on IPR, Patents and Patentability Assessment", to bring awareness about IPR and its importance to the B.Tech students. The Seminar is inaugurated by Sri G.Satyannarayana Raju(Habu), Secretary and Correspondent and Dr.U.Ranga Raju, Principal, DNR College of Engineering and Technology, Bhimavaram.

Resource person : Dr K.S. Kardam, Senior Joint Controller of Patents and Trademarks.

Intellectual property refers to "creations of the mind: inventions, literary, and artistic works, and symbols, names, images, and designs used in commerce. IP is divided into two categories: industrial property, which includes inventions (patents), trademarks, industrial designs, and geographic indications of source; and copyright, which includes literary and artistic works such as novels, poems and plays, films, musical works, artistic works such as drawings, paintings, photographs and sculptures, and architectural designs. Rights related to copyright include those of performing artists in their performances, producers of phonograms in their recordings, and those of broadcasters in their radio and television programs." Engineers, then, are professional innovators who work in the realm of industrial property and are often the first involved in creating a proprietary design or invention.

This programme is intended to help the students to provide proper protection to their inventions from unauthorised access. The resource person has explained everything with real time examples.

  
Coordinator

  
Principal



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### A Brief Report on Workshop

Title: "C – PROGRAMMING WITH ALGORITHMS"

Conducted by: Department of Computer Science and Engineering

Held on: 27<sup>th</sup> & 28<sup>th</sup> July 2016

Aiming to provide an intense training on practical oriented subjects at undergraduate level for college student and faculty, a Two day Workshop on "C-Programming with Algorithms" is held on 27<sup>th</sup> and 28<sup>th</sup> July 2016 at DNR College of Engineering & Technology, DNR Campus, Bhimavaram. Speaking on the occasion, Dr. U. Ranga Raju, Principal said "We cannot always build the future for our youth, but we can build our youth for the future". Remember "The reward of every good action will be good only". In addition to quality education, the college provides continuous support and assistance to the students in achieving their potential goals. I wish you every success; hope that you have a great time with us.

Sri D.D.D. Suri Babu, HOD-CSE said "the process of teaching is mutual learning for both teachers and students. We should move from the attitude of 'I do, you do' to an effective and inclusive approach of 'we do'." The department of CSE is a vibrant educational community of exemplary standards, with commitment to high quality education, and rigorous academic environment, since the beginning.

Mr. G. Rajesh Chandra, IT Head, MatchWell Technologies, Hyderabad, delivered a lecture on C-Programming with Algorithm. The event was basically designed to bring the college students and teachers in Bhimavaram on a single platform and share the information on teaching strategies needed for effective learning process in computer science engineering. Around sixty to Seventy Students and faculty of CSE Department participated in this program. Mr. K.S.S. Prasad, Assistant Professor in Computer Science and Engineering, acted as a Coordinator for the event.

  
Convener



# DNR COLLEGE OF ENGINEERING & TECHNOLOGY

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Balusumudi, Bhimavaram, W. G. Dist. (A.P.), Pin: 534202

## Department of Electronics and Communication Engineering

### PROGRAMME REPORT

TITLE OF THE PROGRAMME: A two day workshop on "Optical Fiber Networks"

DATE & VENUE: 10<sup>th</sup> & 11<sup>th</sup> Aug 2016, Seminar Hall, DNR College of Engg & Tech.

Resource Person: Mr.S.SURENDRANADH, SR ENGINEER  
BHEL, HYDERABAD

Chief-Guests: Sri G.V.Narasimha Raju,  
Hon'ble President, DNR College Association.

Sri G. Satyanarayana Raju (Babu),  
Hon'ble Secretary & Correspondent, DNR College Association

Inauguration: Sri Dr.U.Ranga Raju,  
Principal, DNR College of Engg. & Tech.

Convener: Mr K.Venkanna Naidu,  
HOD, Department of ECE

**Concept:** Fiber optic communication is a method of transmitting information from one place to another by sending pulses of light through an optical fiber. The light forms an electromagnetic carrier wave that is modulated to carry information. Fiber is preferred over electrical cabling when high bandwidth, long distance, or immunity to electromagnetic interference are required. Optical fiber is used by many telecommunications companies to transmit telephone signals, Internet communication, and cable television signals. Fiber optic networks have been used for decades to transmit large volumes of traffic across the country. The economics of fiber networks have only recently allowed for connecting the fiber directly to the home, creating a fiber to the home (FTTH) network. Much of the following information comes from Municipal Broadband Demystifying Wireless and Fiber Optic Options.

  
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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### A Brief Report on Workshop

Title: "BIG-DATA ANALYTICS AND HADOOP"

Conducted by: Department of Computer Science and Engineering

Held on: 19<sup>th</sup> August 2016

Aiming to provide an intense training on practical oriented subjects at undergraduate level for college student and faculty, a one day Workshop on "Big Data Analytics and Hadoop" is held on 19<sup>th</sup> August 2016 at DNR College of Engineering & Technology, DNR Campus, Bhimavaram. Speaking on the occasion, Dr. U. Ranga Raju, Principal said "The aim of education should be to teach us rather how to think, than what to think — rather to improve our minds, so as to enable us to think for ourselves, than to load the memory with thoughts of other men". In addition to quality education, the college provides continuous support and assistance to the students in achieving their potential goals. I wish you every success; hope that you have a great time with us.

Sri D.D.D. Suri Babu, HOD-CSE said "If someone is going down the wrong road, he doesn't need motivation to speed him up. What he needs is education to turn him around". The department of CSE is a vibrant educational community of exemplary standards, with commitment to high quality education, and rigorous academic environment, since the beginning.

Miss. Jahnvi Sudha, Technical Head, COIGN Consultants Pvt. Ltd., Hyderabad, delivered a lecture on Big Data Analytics and Hadoop. The event was basically designed to bring the college students and teachers in Bhimavaram on a single platform and share the information on teaching strategies needed for effective learning process in computer science engineering. Around sixty to Seventy Students and faculty of CSE Department participated in this program. Mrs. E. Rama Lakshmi, Assistant Professor in Computer Science and Engineering, acted as a Coordinator for the event.

  
Convener



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Date:15-09-2016

**Name Of The Seminar:** COMPUTER AIDED ENGINEERING.

**Place :** DNR College Of Engineering & Technology, Seminar Hall

## REPORT ABOUT THE PROGRAMME

**Resource Person:** 1. G.M.Raja Mahindra simulation engineering, yucan technologies, Bangalore

2. P. Sriram Naidu, manager, AP Hyderabad solutions, Hyd

**Organizing Committee:** Patron : Sri G. V. NARASIMHA RAJU

Hon. President,  
DNR College Association

**Vice Patron :** Sri G.SATYANARAYANA RAJU

Hon. Secretary & Correspondent  
DNR College Association

**Chief Advisor:** Dr. U. RANGA RAJU

Principal, DNR CET

**Executive Authority :** Sri. M.JAGANNADHAM

Head of the Dept. of Mechanical Engineering, DNR CET

**Total no. of Students Attended:** 125

### Topics covered in the seminar:

In this seminar they gave a brief Introduction to computer aided engineering. And they also discussed about Modelling of 2-D and 3-D surfaces, various modifying tools used in the CAD. They also explain various steps in designing of products. They also discussed various industrial application of computer aided engineering.

  
convener

  
Principal

**Department of Electrical & Electronics Engineering**  
**DNR COLLEGE OF ENGINEERING & TECHNOLOGY**

*(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)*

**CO- CURRICULUM ACTIVITIES**

**TITLE OF THE PROGRAMME: OPERATION & MAINTENANCE OF THERMAL POWER PLANTS**

**Inauguration Date: 16-09-2016**

**Venue: D.N.R COLLEGE OF ENGINEERING & TECHNOLOGY**

**Training Period: ONE DAY (16<sup>th</sup> SEPTEMBER 2016)**

**Resource person: Mr. PANKAJ SUKHLA (Roxent Technologies)**

**Chief Guests: Sri G. V. Narasimha Raju,**

President, DNR College Association

**Sri G. Satyanarayana Raju (Babu)**

Secretary & Correspondent, DNR College Association

**Inauguration: Sri Dr. U. Ranga Raju,**

Principal, DNR College of Engineering & Technology

**Concept:** A one day seminar on "Operation & Maintenance of Thermal Power Plants" was organized by the Dept. of E.E.E., D.N.R College of Engineering & Technology Bhimavaram on 16<sup>th</sup> September 2016. The main theme of the conducting one day seminar is to share, discuss and exchange views on Operation Maintenance of Thermal Power Plants for the development of society. Mr. Pankaj Sukhla from Roxent Technologies started the program and explained the importance of thermal power plants. The event was inaugurated in the presence of Dr. U. Ranga Raju, Principal (DNR CET). The main objective of the workshop was to train the students on importance on thermal power plants. A good number of students and faculty actively participated in the above event.

  
Convener

  
Principal



# DNR COLLEGE OF ENGINEERING & TECHNOLOGY

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Balusumudi, Bhimavaram, W. G. Dist. (A.P), Pin: 534202

## Department of Electronics and Communication Engineering

### PROGRAMME REPORT

**TITLE OF THE PROGRAMME:** A two day workshop on “Internet of Things using Arduino and Raspberry pi”

**DATE & VENUE:** 21<sup>st</sup> & 22<sup>nd</sup> Sep 2016, Seminar Hall, DNR College of Engg & Tech

**Resource Person:** Mr. S.SURENDRANADH, SR ENGINEER,  
BHEL, HYDERABAD.

**Chief-Guests:** Sri G.V.Narasimha Raju,  
Hon'ble President, DNR College Association.

Sri G. Satyanarayana Raju (Babu),  
Hon'ble Secretary & Correspondent, DNR College Association

**Inauguration:** Sri Dr.U.Ranga Raju,  
Principal, DNR College of Engg. & Tech.

**Convener:** Mr K.Venkanna Naidu  
HOD, Department of ECE

**Concept:** Basically applications, services and other implementations done with Arduino it can also be performed with a Raspberry Pi (and vice versa). Sure, there are things that are easy to do with Arduino (connecting sensors for example), but other things (such as working with REST servers and databases) are “complicated” with Arduino and C++ (they are possible but require a lot of low-level operations). Meanwhile, those difficult tasks are pretty straightforward with Raspberry Pi and Python. An Arduino board is best used for simple repetitive tasks: wirelessly opening and closing a garage door, reading sensors and reporting it to a cloud server or Twitter, driving a simple robot, touch based switches, or home automation, Fingerprint Scanner based Garage Door Opener, Motion-Triggered Night Lights, Build a Robot Arm, Infrared remote for TV, etc

  
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## PROGRAMME REPORT

Name of the programme: A Seminar on Repair and Rehabilitation of structures

Date: 05-10-2016

Resource person & Details: S. Hari Babu, CE, I&CAD

### Programme Description:

The subject for discussions at the seminar will be deterioration of buildings and structures, case studies of various structures regarding damage assessments and various repairs, retrofitting methods available for restoration and better stability/durability of structures. RRS has become a major part of the construction industry. It involves condition assessment of structures, RRS methods and techniques, actual repair and rehabilitation work execution and health monitoring of deteriorated structures.

### Topics covered:

The main topics that are covered in this seminar are standards for preservation, standards for rehabilitation, standards for restoration, standards for reconstruction, standards for regular and tools required in repair and rehabilitation of structures.

### Students Response:

The 2<sup>nd</sup>, 3<sup>rd</sup> year B. Tech students of the civil engineering branch has attended the seminar and said that the seminar is good and informative to them. They are willing to have these kinds of seminars in further.

### Photo:



  
CONVENOR

  
HOD

  
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# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### A Brief Report on Seminar

On "Human Computer Interaction with an Examples"

Conducted by: Department of Computer Science and Engineering

Held on 6<sup>th</sup> & 7<sup>th</sup> October 2016

Aiming to provide an intense training on practical oriented subjects at undergraduate level for college student and faculty, a two day seminar on "Human Computer Interaction" is held on 6<sup>th</sup> and 7<sup>th</sup> October, 2016 at DNR College of Engineering & Technology, DNR Campus, Bhimavaram. Speaking on the occasion, Dr. U. Ranga Raju, Principal of DNR CET said "*Teachers are those who help us in resolving problems which, without them, we wouldn't have.*". In addition to quality education, the college provides continuous support and assistance to the students in achieving their potential goals. I wish you every success; hope that you have a great time with us.

Sri D.D.D. Suri Babu, HOD-CSE said "*The best teachers are those who show you where to look but don't tell you what to see.*" The department of CSE is a vibrant educational community of exemplary standards, with commitment to high quality education, and rigorous academic environment, since the beginning.

Mr. Siva Reddy, Technical Head, MatchWell Technologies, Hyderabad, delivered a lecture on Java and DotNet Technologies. The event was basically designed to bring the college students and teachers in Bhimavaram on a single platform and share the information on teaching strategies needed for effective learning process in computer science engineering. Around sixty to Seventy Students and faculty of CSE Department participated in this program. Mr. L. Bujji Babu, Assistant Professor in Computer Science and Engineering, acted as a Coordinator for the event.

  
Convener



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi, Affiliated to JNTUK, Kakinada)

BALUSUMUDI, BHIMAVARAM, W.G. Dist., A.P., PIN-534 202

Tel : 08816-221237, 9666188519, Fax : 08816-221236, Email : info@dnrcet.org, Website : [www.dnrcet.org](http://www.dnrcet.org)

## PROGRAMME REPORT

Name of the programme: A Seminar on smart cities

Date: 28-11-2016

Resource person & Details: P Vijay Kumar, Head construction Dept., KL Deemed university

### Programme Description:

A smart city is an urban area that uses different types of electronic data collection sensors to supply information which is used to manage assets and resources efficiently. This includes data collected from citizens devices and assets that is processed and analysed to monitor and manage traffic and transportation systems, power plants, water supply networks, waste management, law enforcement, information

### Topics covered:

City infrastructure. A cyber physical infrastructure for the smart city. Communications. Developing a robust and responsive sensor network. Computing, big data, and analytics. Green computing. Energy and buildings. Advanced sustainable buildings and the smart grid. Environment, health care and security.

### Students Response:

The 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> year B. Tech students of the civil engineering branch has attended the seminar and said that the seminar is good and informative to them. They are willing to have these kinds of seminars in further.

  
CONVENOR

  
HOD

  
PRINCIPAL



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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Name of the programme: One day National level seminar on " IPR - Tool to protect Inventions and Creations"

Date: 15/12/2016

Venue of the programme: DNCET Seminar hall

## REPORT ABOUT THE PROGRAMME

We at DNR College of Engineering & Technology organized One day National level seminar on " IPR - Tool to protect Inventions and Creations", to bring awareness about IPR and its importance to the B.Tech students. The Seminar is inaugurated by Sri G.Satyanarayana Raju(Babu), Secretary and Correspondent and Dr.U.Ranga Raju, Principal, DNR College of Engineering and Technology, Bhimavaram.

Dr. Bismi Gopalakrishnan (Hon.Director, Dr.B.R.Ambedkar Chair ,Centre for Human Rights and Social Justice ,Department of Law,University of Kerala)

IP rights are important because they can set your business apart from competitors. Be sold or licensed, providing an important revenue stream. Ideas and creations of the mind, having commercial value are called "Intellectual Property (IP)". Legal rights associated with intellectual property are called "Intellectual Property Rights (IPRs)" and are respected by more than 150 countries worldwide. The basic purpose behind IP and also IPRs is to recognize and reward ORIGINAL effort and also to protect such effort from wrongful use by making it a 'legal offence'. It is an undisputed fact that unless we reward 'original thinkers' and 'creators' and protect their rights over intellectual creations, society will suffer and technological progress will be seriously affected.

  
Coordinator

  
Principal



**Department of Electrical & Electronics Engineering**  
**DNR COLLEGE OF ENGINEERING & TECHNOLOGY**

*(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)*

**CO- CURRICULUM ACTIVITIES**

**TITLE OF THE PROGRAMME: MATLAB**

**Inauguration Date: 16-12-2016**

**Venue: D.N.R COLLEGE OF ENGINEERING & TECHNOLOGY**

**Training Period: TWO DAYS (16<sup>th</sup> -17<sup>th</sup> NOVEMBER 2016)**

**Resource person: Mr. J.GIREESH GUPTA (Emky Technologies)**

**Chief Guests: Sri G. V. Narasimha Raju,**

**President, DNR College Association**

**Sri G. Satyanarayana Raju (Babu)**

**Secretary & Correspondent, DNR College Association**

**Inauguration: Sri Dr. U. Ranga Raju,**

**Principal, DNR College of Engineering & Technology**

**Concept:** A Two Days workshop on "Matlab" was organized by the Dept. of E.E.E., D.N.R College of Engineering & Technology Bhimavaram on 16<sup>th</sup> to 17<sup>th</sup> December 2016. The main theme of the conducting two days workshop is to share, discuss and exchange views on Mat lab and its implementation in research. Mr.J.GIREESH GUPTA from Emky Technologies started the program and explained the importance of Mat lab. The event was inaugurated in the presence of Dr.U.Ranga Raju; Principal (DNR CET). The main objective of the workshop was to train the students on Matlab. A total of 70 students and faculty actively participated in the above event.

  
Convener

  
Principal



# DNR COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)

Baturumudi, Bhimavaram, W. G. Dist. (A.P.), Pin: 534202

## Department of Electronics and Communication Engineering

### PROGRAMME REPORT

TITLE OF THE PROGRAMME: A two day workshop on "Wireless Networks"

DATE & VENUE: 28<sup>th</sup> & 29<sup>th</sup> Dec 2016, Seminar Hall, DNR College of Engg & Tech.

Resource Person: Mr.CH.SANTHOSH KUMAR, JTO  
BSNL, SHILLONG, MEGHALAYA.

Chief-Guests: Sri G.V.Narasimha Raju,  
Hon'ble President, DNR College Association.

Sri G. Satyanarayana Raju (Babu),  
Hon'ble Secretary & Correspondent, DNR College Association

Inauguration: Sri Dr.U.Ranga Raju,  
Principal, DNR College of Engg. & Tech.

Convener: Mr K.Venkanna Naidu,  
HOD, Department of ECE

**Concept:** A wireless network is a computer network that uses wireless data connections between network nodes. Wireless networking is a method by which homes, telecommunications networks and business installations avoid the costly process of introducing cables into a building, or as a connection between various equipment locations. Wireless telecommunications networks are generally implemented and administered using radio communication. This implementation takes place at the physical level (layer) of the OSI model network structure.

  
CONVENER

  
PRINCIPAL



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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## REPORT ABOUT THE PROGRAMME

**TITLE OF THE PROGRAMME:** AUTOCAD, CNC & FUSION 360

**Inauguration Date & Venue:** 10<sup>th</sup> January 2017 & SEMINAR HALL

**Training centre:** DNR College of Engineering & Technology

**Training Period:** One day

**Resource person:** Sri.V.Bhaskar Rao

Manager Autodesk, Hyderabad.

**Chief Guests:** Sri G.V.Narasimha Raju,

President, DNR College Association

Sri G. Satyanarayana Raju (Babu)

Secretary & Correspondent, DNR College Association

**Inauguration:** Dr.U.Ranga Raju,

Principal, DNR College of Engineering & Technology

**No of Students Attended:** 120

### **Concept:**

In this seminar Mr.Bhaskar Rao gave a brief Introduction to 2D drafting software that can do 3D Drawing. And he also discussed about Interface Communicates with toolbars, context-sensitive shortcut menus, dialog boxes -- and a command line. He also explained about Industry Focus Integrates with industry-specific tools such as AutoCAD Architectural, Electrical, Civil 3D, and Mechanical. He also gave brief discussion about Modelling Geometry-driven models freeform models

  
Convener

  
Principal



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## REPORT ABOUT THE PROGRAMME

**Title Of The Workshop:** ISRO REMOTE SATELLITE & REMOTE SENSING  
BASED SOCIETAL APPLICATION

**Inauguration Date & Venue:** 21.01.2017, Seminar Hall

**Training centre :** DNR College of Engineering & Technology

**Training Period :** One Day

**Resource person:** DR.C.J.JAGADEESHA

Scientists/Engineer ISRO National Remote Sensing Centre  
(Bangalore)

**Chief Guests:** Sri G.V.Narasimha Raju,  
President, DNR College Association

Sri G.Satyanarayana Raju (Babu)  
Secretary & Correspondent, DNR College Association

**Inauguration:** Dr.U.Ranga Raju,  
Principal, DNR College of Engineering & Technology

**No of Students Attended:** 130

### **Concept:**

In this workshop Dr.C.J.Jagadeesha sir gave valuable information on various remote satellites which are used in society. And he also explained various project that are done by ISRO. He also explained about advancement of technology in remote satellite and remote sensing and satellite communication.

  
Convener

  
Principal



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*Balusumudi, Bhimavaram, W. G. Dist.(A.P), Pin:534202*

## **Department of Electronics and Communication Engineering**

### **PROGRAMME REPORT**

**TITLE OF THE PROGRAMME : A two day Seminar on "Nano particles and Nano bio sensor in Agriculture"**

**DATE & VENUE : 23<sup>rd</sup> & 24<sup>th</sup> Jan 2017, Seminar Hall, DNR College of Engg & Tech.**

**Resource Person : Mr.S.SURENDRANADH, SR ENGINEER,  
BHIL, HYDERABAD.**

**Chief-Guests: Sri G.V. Narasimha Raju,  
Hon'ble President, DNR College Association.**

**Sri G. Satyanarayana Raju (Babu),  
Hon'ble Secretary & Correspondent, DNR College Association**

**Inauguration: Sri Dr. U. Ranga Raju,  
Principal, DNR College of Engg. & Tech.**

**Convener: Mr.K.Venkanna Naidu  
HOD, Department of ECE**

**Concept:** Nanotechnology has emerged as a boon to the society with immense potential in varied area of research and our day-to-day life. The application of nanotechnology for the advancement of biosensor leads to an efficient Nano biosensor with miniature structure as compared to conventional biosensors. Nano biosensors can be effectively used for sensing a wide variety of fertilizers, herbicide, pesticide, insecticide, pathogens, moisture, and soil ph. Taken together, proper and controlled use of Nano biosensor can support sustainable agriculture for enhancing cropproductivity.

  
CONVENER

  
PRINCIPAL

**Department of Electrical & Electronics Engineering**  
**DNR COLLEGE OF ENGINEERING & TECHNOLOGY**

*(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)*

**CO- CURRICULUM ACTIVITIES**

**TITLE OF THE PROGRAMME: RECENT ADVANCEMENTS IN ELECTRICAL ENGINEERING**

**Inauguration Date: 07-02-2017**

**Venue: D.N.R COLLEGE OF ENGINEERING & TECHNOLOGY**

**Training Period: THREE DAYS (07<sup>th</sup> -09<sup>th</sup> FEBRUARY 2017)**

**Resource person: Mr. PANKAJ SUKHLA (Roxent Technologies)**

**Chief Guests: Sri G. V. Narasimha Raju,**

President, DNR College Association

**Sri G. Satyanarayana Raju (Babu)**

Secretary & Correspondent, DNR College Association

**Inauguration: Sri Dr. U. Ranga Raju,**

Principal, DNR College of Engineering & Technology

**Concept:** A Three Days workshop on "Recent Advancements in Electrical Engineering" was organized by the Dept. of E.E.E., D.N.R College of Engineering & Technology Bhimavaram on 07<sup>th</sup> to 09<sup>th</sup> February 2017. The main theme of the conducting three days workshop is to share, discuss and exchange views on Recent Trends in Electrical Engineering for the development of society. Mr. Pankaj Sukhla from Roxent Technologies started the program and explained the importance of Recent Trends in present industry. The event was inaugurated in the presence of Dr. U. Ranga Raju; Principal (DNR CET). The main objective of the workshop was to train the students on Recent Trends in Electrical Engineering. A total of 51 students and faculty actively participated in the above event.

  
Converter

  
Principal



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## REPORT ABOUT THE PROGRAMME

**Title Of The Programme:** INDUSTRIAL HYDRAULIC & PNEUMATIC  
INCLUDING PLC

**Inauguration Date & Venue:** 22<sup>nd</sup> February 2017 & Seminar Hall

**Training centre:** DNR College of Engineering & Technology

**Training Period:** One day

**Resource person:** D.Srinivas, Production Manager Horlicks Factory,

Glaxo SmithKline Consumer health care Ltd.

**Chief Guests:** Sri G.V.Narasimha Raju,

President, DNR College Association

Sri G.Satyanarayana Raju (Babu)

Secretary & Correspondent, DNR College Association

**Inauguration:** Dr.U.Ranga Raju,

Principal, DNR College of Engineering & Technology

**No of Students Attended:** 127

### **Concept:**

Industrial Hydraulics & Pneumatics gave the concept of the fluids how moves in a particular direction through the pipe lines economically in the real time industries. He gave the knowledge about the arrangement of stop valves, control valves, pipe bends when the fluids are flowing through the pipe lines.

  
Convener

  
Principal



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## REPORT ABOUT THE PROGRAMME

**Title Of The Programme:** NANO TECHNOLOGIES

**Inauguration Date & Venue:** 10<sup>th</sup> March 2017 & Seminar Hall

**Training centre:** DNR College of Engineering & Technology

**Training Period:** One Day

**Resource person:** Dr. R.S.Dubey, scientist/ research and development at

Swarnandhra College of Engg & Tech, Narsapur

**Chief Guests:** Sri G.V.Narasimha Raju,

President, DNR College Association

Sri G.Satyanarayana Raju (Babu)

Secretary & Correspondent, DNR College Association

**Inauguration:** Dr.U.Ranga Raju,

Principal, DNR College of Engineering & Technology

**No of Students Attended:** 120

### **Concept:**

The Nanotechnology has a great potential to transform society. He also explained about molecular Nanotechnology. And he explained nanotechnology is a unique type of manufacturing applied science, with the aid of this technology we can build the things from the atom and can rearrange the matter with atomic accuracy.

  
Convener

  
Principal





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## PROGRAMME REPORT

**Name of the programme:** A Seminar on canal flow characteristics

**Date:** 09-03-2017

**Resource person & Details:** S. Hari Babu, CE, I&CAD

### **Programme Description:**

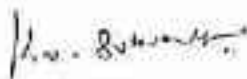
Channel geometry and characteristics of stream flow are inherently related. Changes in geometry of the channel can impact stream velocity and discharge. Canals or navigations are human made channels or artificial water ways for water conveyance or to service water transport vehicles. A canal is also known as a navigation when it parallels a river and shares a part of its waters and drainage basin and leverages its resources by building dams and locks to increase and lengthen its stretches of slack water levels while staying in its valley

### **Topics covered:**

In this seminar we mainly discussed about the types of canals and its flow state, Types like water ways and aqueducts. Stream flow, sources of stream flow, flow velocity, flow regimes, stream discharge and stream energy.

### **Students Response:**

The 3<sup>rd</sup> year B. Tech students of the civil engineering branch has attended the seminar and said that the seminar is good and informative to them. They are willing to have these kinds of seminars in further.

  
CONVENOR

  
HOD

  
PRINCIPAL



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## PROGRAMME REPORT

**Name of the programme:** A Seminar on urban planning

**Date:** 03-07-2017

**Resource person & Details:** P Srikanth, Deputy Executive Engineer, Bhimavaram Municipality

### **Programme Description:**

Urban planning is a technical and political process concerned with the development and design of land use and the built environment including air, water, and the infrastructure passing into and out of urban areas such as transportation, communications and distribution networks. It deals with physical layout of human settlements. It is closely related to the field of urban design and some urban planners provide designs for street parks, buildings and other urban areas.

### **Topics covered:**

Development in urban, sub urban and rural areas. Planning of settlements and communities, planning and development of water use and resources, rural and agricultural land, parks and conserving areas. Research and analysis strategic thinking, architecture, urban design, public consultation, policy recommendations, implementation and management.

### **Students Response:**

The 3<sup>rd</sup> year B. Tech students of the civil engineering branch has attended the seminar and said that the seminar is good and informative to them. They are willing to have these kinds of seminars in further.

  
CONVENOR

  
HOD

  
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Balusumudi, Bhimavaram, W. G. Dist. (A.P.), Pin: 534202

## Department of Electronics and Communication Engineering

### PROGRAMME REPORT

**TITLE OF THE PROGRAMME :** A two day workshop on "Smart Antenna Design and Analysis for MIMO Wireless Systems"

**DATE & VENUE :** 18<sup>th</sup> & 19<sup>th</sup> July 2017, Seminar Hall, DNR College of Engg & Tech.

**Resource Person :** Mr.G.KIRAN KUMAR, EXECUTIVE ENGINEER,  
ONGC, RAJAHMUNDRY.

**Chief-Guests:** Sri G.V.Narasimha Raju,  
Hon<sup>ble</sup> President, DNR College Association.

Sri G. Satyanarayana Raju (Babu),  
Hon<sup>ble</sup> Secretary & Correspondent, DNR College Association

**Inauguration:** Sri Dr.U. Ranga Raju,  
Principal, DNR College of Engg. & Tech.

**Convener:** Mr K.Venkanna Naidu,  
HOD, Department of ECE

**Concept :** Multi antenna systems and more particularly those operating on multiple input and multiple output (MIMO) channels are currently a must to improve wireless links spectrum efficiency and/or robustness. There exists a fundamental trade off between potential spectrum efficiency and robustness increase. However, multi antenna techniques also come with an overhead in silicon implementation area and power consumption due, at least, to the duplication of part of the transmitter and receiver radio front-ends. Although the area overhead may be acceptable in view of the performance improvement, low power consumption must be preserved for integration in nomadic devices. In this case, it is the trade off between performance (e.g., the net throughput on top of the medium access control layer) and average power consumption.

  
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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### A Brief Report on Seminar

On "Information Technology and Its Importance"

Conducted by: Department of Computer Science and Engineering

Held on 24<sup>th</sup> July 2017

Aiming to provide an intense training on practical oriented subjects at undergraduate level for college student and faculty, a one day seminar on "Information Technology and Its Importance" is held on 24<sup>th</sup> July, 2017 at DNR College of Engineering & Technology, DNR Campus, Bhimavaram. Speaking on the occasion, Dr. U. Ranga Raju, Principal of DNRCEET said "*Good teaching is one-fourth preparation and three-fourths theatre and Better than a thousand days of diligent study is one day with a great teacher*". In addition to quality education, the college provides continuous support and assistance to the students in achieving their potential goals. I wish you every success; hope that you have a great time with us.

Sri D.D.D. Suri Babu, HOD-CSE said "*As a teacher, my strategy is to encourage questioning. I'm the least authoritarian professor you'll ever meet*". The department of CSE is a vibrant educational community of exemplary standards, with commitment to high quality education, and rigorous academic environment, since the beginning.

Mr. Naveen Kumar Reddy, Head, COIGN Consultants Pvt. Ltd., Hyderabad, delivered a lecture on Java and DotNet Technologies. The event was basically designed to bring the college students and teachers in Bhimavaram on a single platform and share the information on teaching strategies needed for effective learning process in computer science engineering. Around sixty to Seventy Students and faculty of CSE Department participated in this program. Mr. K.S.S. Prasad, Assistant Professor in Computer Science and Engineering, acted as a Coordinator for the event.

  
Convener



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## PROGRAMME REPORT

**Name of the programme:** A Seminar on importance of vastu in constructions

**Date:** 18-08-17

**Resource person & Details:** P Suresh, Ld. Structural Engineer, CRDA.

**Programme Description:** Now a day's civil engineers are particular about the construction as per vastu. In civil engineering point of view vastu helps the engineer to show the proper direction of doors, windows, bed directions, bedroom design, interior and entrance. The vastu tips may varies from the facing of house directions. There are four direction of house and hat are they. In civil engineering point of view vastu helps the engineer to show the proper direction of doors, windows, bed directions, bedroom design, interior and entrance.

**Topics covered:** what is meant by vastu and its importance and significance. Main objectives, advantages in present periods. What are the tips to be considered during constructing a building based on vastu.

### **Students Response:**

The 3<sup>rd</sup> year B.Tech students of the civil engineering branch has attended the seminar and said that the seminar is good and informative to them . They are willing to have these kind of seminars in futher.

  
CONVENOR

  
HOD

  
PRINCIPAL



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## REPORT ABOUT THE PROGRAMME

**TITLE OF THE PROGRAMME:** AUTOMATIC PRODUCT DESIGN

**Inauguration Date & Venue:** 23<sup>rd</sup> August 2017 & Seminar Hall

**Training centre:** DNR College of Engineering & Technology

**Training Period:** One day

**Resource person:** Sri. K. Sambamurthy,

MD.Khadark Technologies Pvt Ltd, Eluru.

**Chief Guests:** Sri G.V.Narasimha Raju,

President, DNR College Association

Sri G.Satyanarayana Raju (Babu)

Secretary & Correspondent, DNR College Association

**Inauguration:** Dr.U.Ranga Raju,

Principal, DNR College of Engineering & Technology

**No of Students Attended:** 134

### **Concept:**

In this programme Mr.Sambamurthy gave a brief Introduction to manufacturers that have slightly varied development cycles for designing an Automobile. And he also explained about various Design and User Research concepts. He also discussed about CAS (Computer Aided Styling),Clay modelling. And he also gave various application on automatic production design.

  
Convener

  
Principal



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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### A Brief Report on Workshop

**Title: "DATABASE DESIGN AND DEVELOPMENT USING SQL"**

**Conducted by: Department of Computer Science and Engineering**

**Held on: 30<sup>th</sup>, 31<sup>st</sup> August & 1<sup>st</sup> September 2016**

Aiming to provide an intense training on practical oriented subjects at undergraduate level for college student and faculty, a three day Workshop on "Database Design and Development using SQL" is held on 30<sup>th</sup>, 31<sup>st</sup> August and 1<sup>st</sup> September 2016 at DNR College of Engineering & Technology, DNR Campus, Bhimavaram. Speaking on the occasion, Dr. U. Ranga Raju, Principal said "Many highly intelligent people are poor thinkers. Many people of average intelligence are skilled thinkers. The power of the car is separate from the way the car is driven". In addition to quality education, the college provides continuous support and assistance to the students in achieving their potential goals. I wish you every success; hope that you have a great time with us.

Sri D.D.D. Suri Babu, HOD-CSE said "Education makes a people easy to lead but difficult to drive: easy to govern, but impossible to enslave". The department of CSE is a vibrant educational community of exemplary standards, with commitment to high quality education, and rigorous academic environment, since the beginning.

Mr. B. Vijay Kumar, Technical Head, WEBCOGNIZE, Hyderabad, delivered a lecture on Database Design and Development using SQL. The event was basically designed to bring the college students and teachers in Bhimavaram on a single platform and share the information on teaching strategies needed for effective learning process in computer science engineering. Around sixty to Seventy Students and faculty of CSE Department participated in this program. Mr. B. Nandan Kumar, Assistant Professor in Computer Science and Engineering, acted as a Coordinator for the event.

  
Convener



**DNR COLLEGE OF ENGINEERING & TECHNOLOGY**

*Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada*

*Balusamudi, Bhuvanagiri, W. G. Dist.(A.P), Pin: 534202*

## **Department of Electronics and Communication Engineering**

### **PROGRAMME REPORT**

**TITLE OF THE PROGRAMME : A two day seminar on "Advanced Signal Processing"**

**DATE & VENUE : 8<sup>th</sup> & 9<sup>th</sup> Sep 2017, Seminar Hall, DNR College of Engg & Tech.**

**Resource Person : Mr.S.SURENDRANADH, Sr Engineer  
BHEL, Hyderabad**

**Chief-Guests: Sri G.V. Narasimha Raju,  
Hon'ble President, DNR College Association.  
Sri G. Satyanarayana Raju (Babu),  
Hon'ble Secretary & Correspondent, DNR College Association**

**Inauguration: Sri Dr. U. Ranga Raju,  
Principal, DNR College of Engg. & Tech.**

**Convener: Mr.K.Venkanna Naidu,  
HOD, Department of ECE**

**Concept:** It is generally acknowledged, that it is not possible to make reliable process condition monitoring based on one signal feature (SF). Therefore, the key issue in TCM system is calculation numerous signal features correlated with tool and/or process condition which is an objective of signal processing methods. The following stages can be distinguished in signal processing First - pre-processing (filtering, amplification, A/D conversion, segmentation). Sometimes the signal is transformed into frequency or time-frequency domain (FFT, STFT, WT etc.). The next stage of signal processing is the extraction of signal or signal transforms features changing in time, with tool or process condition. There can be many different descriptors from different sensor signals, most of them hardly related to monitoring process, The digital signal is often subject of further pre-processing. Digital filtering reduces frequency bands not correlated with monitored process or extracts information necessary at a particular stage of pattern recognition.

  
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PRINCIPAL



**Department of Electrical & Electronics Engineering**  
**DNR COLLEGE OF ENGINEERING & TECHNOLOGY**

*(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)*

**CO- CURRICULUM ACTIVITIES**

**TITLE OF THE PROGRAMME: IMPLEMENTATION OF MICRO GRIDS**

**Inauguration Date: 13-11-2017**

**Venue: D.N.R COLLEGE OF ENGINEERING & TECHNOLOGY**

**Training Period: THREE DAYS (13<sup>th</sup> -15<sup>th</sup> NOVEMBER 2017)**

**Resource person: Mr. J.GIREESH GUPTA (Emky Technologies)**

**Chief Guests: Sri G. V. Narasimha Raju,**

**President, DNR College Association**

**Sri G. Satyanarayana Raju (Babu)**

**Secretary & Correspondent, DNR College Association**

**Inauguration: Sri Dr. U. Ranga Raju,**

**Principal, DNR College of Engineering & Technology**

**Concept:** A Three Days workshop on "Practical Implementation of Micro Grids" was organized by the Dept. of E.E.E., D.N.R College of Engineering & Technology Bhimavaram on 13<sup>th</sup> to 15<sup>th</sup> February 2017. The main theme of the conducting four days workshop is to share, discuss and exchange views on Micro grids implementation for the reductions of power shortage in present society. Mr.J.GIREESH GUPTA from Emky Technologies started the program and explained the importance of Micro Grids. The event was inaugurated in the presence of Dr.U.Ranga Raju; Principal (DNR CET). The main objective of the workshop was to train the students on Implementation of Micro Grids. A total of 36 students and faculty actively participated in the above event.

  
Convenor

  
Principal



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi, Affiliated to JNTUK, Kakinada)

BALUSUMUDI, BHIMAVARAM, W.G. Dist., A.P., PIN-534 202

Tel : 08816-221237, 9666188519, Fax : 08816-221236, Email : [info@dnrcet.org](mailto:info@dnrcet.org), Website : [www.dnrcet.org](http://www.dnrcet.org)

## PROGRAMME REPORT

**Name of the programme:** A Workshop on drafting using Tekla.

**Date:** 27-11-17.

**Resource person & Details:** V. Bhaskara Rao, Designlabs, Autodesk Authorised Academic Partner, Hyderabad

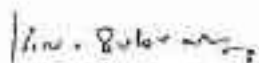
### **Programme Description:**

Tekla Structures includes several predefined drawing layouts, which are drawing-type specific. The user can also create new drawing layouts. Defines which drawing tables to include in the drawing. How Tekla Structures applies drawing properties in drawing creation explanation of methods. Tekla Structures generates drawings according to the properties defined for each drawing type. The way Tekla Structures connects the properties to the drawing you create depends on the method you select for creating the drawing.

**Topics covered:** Importance of health, importance of safety in construction sites, protective techniques, working skills in site, effects and causes of accidents, awareness on working style in construction industry, Awareness on wearing of safety equipment in construction like helmet, shoe, jacket.

### **Students Response:**

The 4<sup>th</sup> year B.Tech students of the civil engineering branch has attended the seminar and said that the seminar is good and informative to them . They are willing to have these kind of seminars in future.

  
CONVENOR

  
HOD

  
PRINCIPAL



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Name of the programme: One day National level seminar on "New Frontier-Entrepreneur Development programme"

Date: 28/11/2017

Venue of the programme: DNRCET Seminar hall

## REPORT ABOUT THE PROGRAMME

We at DNR College of Engineering & Technology organized a One day National level seminar on "New Frontier-Entrepreneur Development programme", which helps in developing the entrepreneurial abilities. The skills that are required to run a business successfully, is developed among the people through this programme. The Programme is Inaugurated by Sri G.Satyanarayanaraju(Babu), Secretary and Correspondent and Dr.U.Ranga Raju, Principal, DNR College of Engineering and Technology, Bhimavaram.

Entrepreneurship Development Programme (EDP) is a programme which helps in developing the entrepreneurial abilities. The skills that are required to run a business successfully are developed among the people through this programme. Sometimes, people may have skills but it requires polishing and incubation. This programme consists of a structured training process to develop an individual as an entrepreneur. It helps the person to acquire skills and necessary capabilities to play the role of an entrepreneur effectively. Importance of entrepreneurship development is to enable the individuals to grow into a dynamic entrepreneur who is able to initiate and sustain the economic growth of the country.

  
Coordinator

  
Principal

**Department of Electrical & Electronics Engineering**  
**DNR COLLEGE OF ENGINEERING & TECHNOLOGY**

*(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)*

**CO- CURRICULUM ACTIVITIES**

**TITLE OF THE PROGRAMME: ENERGY MANAGEMENT FOR NATION GROWTH**

**Inauguration Date: 08-12-2017**

**Venue: D.N.R COLLEGE OF ENGINEERING & TECHNOLOGY**

**Training Period: ONE DAY (08<sup>th</sup> DECEMBER 2017)**

**Resource person: Mr. S.GANAPATI (Rtd.SE, APTRANSCO)**

**Chief Guēsts: Sri G. V. Narasimha Raju,**

President, DNR College Association

**Sri G. Satyanarayana Raju (Babu)**

Secretary & Correspondent, DNR College Association

**Inauguration: Sri Dr. U. Ranga Raju,**

Principal, DNR College of Engineering & Technology

**Concept:** A one day seminar on "Energy Management for Nations Growth" was organized by the Dept. of E.E.E., D.N.R College of Engineering & Technology Bhimavaram on 08<sup>th</sup> December 2017. The main theme of the conducting one day seminar is to share, discuss and exchange views on energy management for nations growth. Mr.S.Ganapati started the program and explained the importance of energy management. The event was inaugurated in the presence of Dr.U.Ranga Raju; Principal (DNR CET). The main objective of the workshop was to train the students on importance on energy management. A good number of students and faculty actively participated in the above event.

  
Convener

  
Principal



## Department of Electronics and Communication Engineering

### PROGRAMME REPORT

TITLE OF THE PROGRAMME : A two day workshop on "**Recent Advancements in Signal Processing and Communications**"

DATE & VENUE : 15<sup>th</sup> & 16<sup>th</sup> Dec 2017, Seminar Hall, DNR College of Engg & Tech.

Resource Person : Mr. S.SURENDRANADH, Sr Engineer  
BHEL, Hyderabad.

Chief-Guests: Sri G.V.Narasimha Raju,  
Hon'ble President, DNR College Association.  
Sri G. Satyanarayana Raju (Babu),  
Hon'ble Secretary & Correspondent, DNR College Association

Inauguration: Sri Dr.U.Ranga Raju,  
Principal, DNR College of Engg. & Tech.

Convener: Mr K.Venkanna Naidu,  
HOD, Department of ECE

**Concept:** Signal processing of analog signals proceeds in three stages: 1. The analog signal is digitized, that is, it is sampled and each sample quantized to a finite number of bits. This process is called A/D conversion. 2. The digitized samples are processed by a digital signal processor. 3. The resulting output samples may be converted back into analog form by an analog reconstructor (D/A conversion). The digital signal processor can be programmed to perform a variety of signal processing operations, such as filtering, spectrum estimation, and other DSP algorithms. Depending on the speed and computational requirements of the application, the digital signal processor may be realized by a general purpose computer, minicomputer, special purpose DSP chip, or other digital hardware dedicated to performing a particular signal processing task.

  
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PRINCIPAL



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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## REPORT ABOUT THE PROGRAMME

**Title Of The Workshop:** CAE AND INDUSTRIAL VIEW PRINT

**Inauguration Date & Venue:** 28.12.2017 Seminar Hall

**Training centre:** DNR College of Engineering & Technology

**Training Period:** One Day

**Resource person:** Sri.B.Satyanarayana

(Specialist, FL Smidth India Pvt Ltd)

**Chief Guests:** Sri G.V.Narasimha Raju,

President, DNR College Association

Sri G.Satyanarayana Raju (Babu)

Secretary & Correspondent, DNR College Association

**Inauguration:** Dr.U.Ranga Raju,

Principal, DNR College of Engineering & Technology

**No of Students Attended:** 135

### **Concept:**

In this workshop Mr.Satyanarayana explained about detail using of computer aided engineering in various industrial purpose. He also explained various mechanisms and analysis used in CAE. And also gave a brief explanation on finite element analysis. He also discussed about various industrial applications.

*D Bhuvan Prakash*  
Convener

*[Signature]*  
Principal



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Name of the programme: "The absolute confidence workshop"

Date: 03/01/2018

Venue of the programme: DNRCET Seminar hall

## REPORT ABOUT THE PROGRAMME

We at DNR College of Engineering & Technology organized a "The absolute confidence workshop", is an empowering introduction to a new life of self-confidence, self-esteem, self-respect, achievements and happiness. The Programme is Inaugurated by Sri G.Satyanarayanaraju(Babu), Secretary and Correspondent and Dr.U.Ranga Raju, Principal, DNR College of Engineering and Technology, Bhimavaram.

The purpose of this programme is to inform and empower the students and to show them that they have the ability to harness their own power and inner strength, improve their image from the inside, learn what AUTHENTIC confidence is all about and how to live a happier and more fulfilled life by discovering your inner strength, your authentic self, developing a positive self-image, gaining self-respect and having the confidence you've always wanted and start living the confident life you deserve.

  
Coordinator

  
Principal



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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## PROGRAMME REPORT

Name of the programme: A Seminar on Green buildings

Date: 06-01-18

Resource person & Details: P Vijay kumar, Head construction Dept., KL Demeed university.

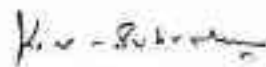
### **Programme Description:**

Green building refers to both a structure and the application of processes that are environmentally responsible and resource-efficient throughout a building's life-cycle: from planning to design, construction, operation, maintenance, renovation, and demolition. This requires close cooperation of the contractor, the architects, the engineers, and the client at all project stages. The Green Building practice expands and complements the classical building design concerns of economy, utility, durability, and comfort.

**Topics covered:** Importance of health, importance of safety in construction sites, protective techniques, working skills in site, effects and causes of accidents, awareness on working style in construction industry, Awareness on wearing of safety equipment in construction like helmet, shoe, jacket.

### **Students Response:**

The 3<sup>rd</sup> year B.Tech students of the civil engineering branch has attended the seminar and said that the seminar is good and informative to them . They are willing to have these kind of seminars in futher.

  
CONVENOR

  
HOD

  
PRINCIPAL





# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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## REPORT ABOUT THE PROGRAMME

**TITLE OF THE WORKSHOP :** ROBOT ARM

**Inauguration Date & Venue:** 03.02.2018, Seminar Hall

**Training centre:** DNR College of Engineering & Technology

**Training Period:** One Day

**Resource person:** Sri.M. Shashank

(specialist)

**Chief Guests:** Sri G.V.Narasimha Raju,

President, DNR College Association

Sri G.Satyanarayana Raju (Babu)

Secretary & Correspondent, DNR College Association

**Inauguration:** Dr.U.Ranga Raju,

Principal, DNR College of Engineering & Technology

**No of Students Attended :** 84

**Concept:**

In this workshop Mr.Shashank explained about various types of Sensors, Motors, Actuators and processors used in robots. And he also gave brief discussion about linear movement mechanism. He also explained about degree of freedom. He also discussed various parts in robot arm, various material used to manufacture of robot. He also discussed about various industrial application of robot arm.

*D. Bhimprakash*  
Convener

*[Signature]*  
Principal



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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Name of the programme: Guest Lecture on Awareness on Intellectual Property Rights (IPR)

Date: 07/02/2018

Venue of the programme: DNRCET Seminar hall

## REPORT ABOUT THE PROGRAMME

We at DNR College of Engineering & Technology organized a "Guest Lecture on Awareness on Intellectual Property Rights (IPR)", to bring awareness about IPR and its importance to the B.Tech students. The Seminar is inaugurated by Sri G.Satyanarayana Raju(Babu), Secretary and Correspondent and Dr.U.Ranga Raju, Principal, DNR College of Engineering and Technology, Bhimavaram.

Resource person Y Surya Chandra Rao, Advocate has covered an overview of IPRs in India, IPR protection legislation and its implementation, Registering and enforcing IPR in India. This programme is intended to help the students to provide proper protection to their inventions from unauthorised access. The resource person has explained everything with real time examples.

  
Coordinator

  
Principal



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### A Brief Report on Workshop

Title: "DATA MINING USING WEKA"

Conducted by: Department of Computer Science and Engineering

Held on: 7<sup>th</sup>, 8<sup>th</sup> and 9<sup>th</sup> February 2018

Aiming to provide an intense training on practical oriented subjects at undergraduate level for college student and faculty, a three day Workshop on "Data Mining using WEKA" is held on 7<sup>th</sup>, 8<sup>th</sup> and 9<sup>th</sup> February 2018 at DNR College of Engineering & Technology, DNR Campus, Bhimavaram. Speaking on the occasion, Dr. U. Ranga Raju, Principal said "We cannot always build the future for our youth, but we can build our youth for the future". Remember "The reward of every good action will be good only". In addition to quality education, the college provides continuous support and assistance to the students in achieving their potential goals. I wish you every success; hope that you have a great time with us.

Sri D.D.D. Suri Babu, HOD-CSE said "the process of teaching is mutual learning for both teachers and students. We should move from the attitude of 'I do, you do' to an effective and inclusive approach of 'we do'." The department of CSE is a vibrant educational community of exemplary standards, with commitment to high quality education, and rigorous academic environment, since the beginning.

Mr. V. Rajesh Babu, Technical Head, WEBCOGNIZE, Hyderabad, delivered a lecture on Data Mining using WEKA. The event was basically designed to bring the college students and teachers in Bhimavaram on a single platform and share the information on teaching strategies needed for effective learning process in computer science engineering. Around sixty Students and faculty of CSE Department participated in this program. Mr. M.C.S. Varma, Assistant Professor in Computer Science and Engineering, acted as a Coordinator for the event.

  
Convener



**DNR COLLEGE OF ENGINEERING & TECHNOLOGY**

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*Batusumudi, Bhimavaram, W. G. Dist.(A.P), Pin:534202*

## **Department of Electronics and Communication Engineering**

### **PROGRAMME REPORT**

**TITLE OF THE PROGRAMME : A one day seminar on "Patch antenna design using HFSS software"**

**DATE & VENUE : 18<sup>th</sup> Jan 2018 , Seminar Hall, DNR College of Engg & Tech.**

**Resource Person : Mr.J.Srihari Rao, Professor,  
Director, SVEC, Tadepalligudem.**

**Chief Guests: Sri G.V. Narasimha Raju,  
Hon'ble President, DNR College Association.  
Sri G. Satyanarayana Raju (Babu),  
Hon'ble Secretary & Correspondent, DNR College Association**

**Inauguration: Sri Dr. U. Ranga Raju,  
Principal, DNR College of Engg. & Tech.**

**Convener: Mr.K.Venkanna Naidu,  
HOD, Department of ECE**

**Concept:** In recent years there is a need for more compact antennas due to rapid decrease in size of personal communication devices. As communication devices become smaller due to greater integration of electronics, the antenna becomes a significantly larger part of the overall package volume. This results in a demand for similar reductions in antenna size. In addition to this, low profile antenna designs are also important for fixed wireless application. The micro strip patch antennas used in a wide range of applications from communication systems to satellite and biomedical applications. The rectangular micro strip patch antenna was analysed using HFSS and also made a comparison among the different substrates which shows different results based on same parameters.

  
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**Department of Electrical & Electronics Engineering**  
**DNR COLLEGE OF ENGINEERING & TECHNOLOGY**

*(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)*

**CO- CURRICULUM ACTIVITIES**

**TITLE OF THE PROGRAMME: AUTOMATIC POWER FACTOR CONTROL IN POWER DISTRIBUTION SYSTEMS**

**Inauguration Date: 10-02-2018**

**Venue: D.N.R COLLEGE OF ENGINEERING & TECHNOLOGY**

**Training Period: ONE DAY (10<sup>th</sup> February 2018)**

**Resource person: Mr. P.NARAYANA PRASAD (Narayana Electrical Works)**

**Chief Guests: Sri G. V. Narasimha Raju,**

President, DNR College Association

**Sri G. Satyanarayana Raju (Babu)**

Secretary & Correspondent, DNR College Association

**Inauguration: Sri Dr. U. Ranga Raju,**

Principal, DNR College of Engineering & Technology

**Concept:** A one day seminar on "Automatic Power Factor Control In Distribution Systems" was organized by the Dept. of E.E.E., D.N.R College of Engineering & Technology Bhimavaram 10th February 2018. The main theme of the conducting one day seminar is to share, discuss and exchange views on Automatic Power Factor Control In Power Distribution Systems to reduce the effect of lagging loads in power distribution. Mr.P.NARAYANA started the program and explained the importance of latest challenges in distribution systems. The event was inaugurated in the presence of Dr.U.Ranga Raju; Principal (DNR CET). A good number of students and faculty participated in the event.

  
Converter

  
Principal



# DNR COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)

Balusumudi, Bhimavaram, W. G. Dist. (A.P), Pin: 534202

## Department of Electronics and Communication Engineering

### PROGRAM REPORT

**TITLE OF THE PROGRAMME : A one day seminar on "Application Specific Integrated Circuits (ASICs)"**

**DATE & VENUE : 27<sup>th</sup> Feb 2018, Seminar Hall, DNR College of Engg & Tech.**

**Resource Person : Mr.K.Bala Nitish Chaitanya, Layout Design Engineer,  
EXIGER PVT Ltd, Bangalore.**

**Chief-Guests: Sri G.V. Narasimha Raju,  
Hon'ble President, DNR College Association.  
Sri G. Satyanarayana Raju (Babu),  
Hon'ble Secretary & Correspondent, DNR College Association**

**Inauguration: Sri Dr. U. Ranga Raju,  
Principal, DNR College of Engg. & Tech.**

**Convener: Mr.K.Venkanna Naidu,  
HOD, Department of ECE**

**Concept:** The abbreviation ASIC stands for Application Specific Integrated Circuits. Compared with standard circuits an ASIC is designed and manufactured according to specifications resulting from its application. The ASIC user is able to specify the circuit function at design level and/or by means of configuration options. If the function of an IC is only controlled by software then it is not called an ASIC. Many of the digital electronic subsystems in defense applications require the small-size and power efficiency of application-specific integrated circuits (ASICs). Unfortunately, the high price and long design time of ASICs make them prohibitively expensive for low-volume DoD applications or systems requiring a rapid response time. This study introduces the concept of a "structured ASIC" that is an array of building blocks (microprocessors, signal processors, logic blocks, and memories) connected by an interconnection network.

  
CONVENER

  
PRINCIPAL



# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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## REPORT ABOUT THE PROGRAMME

**Title Of The Programme:** CAD & DETAILING USING CATIA

**Inauguration Date & Venue:** 17<sup>th</sup> March 2018, seminar hall

**Training centre:** DNR College of Engineering & Technology

**Training Period:** One day

**Resource person:** Sri.A.Hari Krishna, Designer

Sri G.Surya Teja, Co-Designer,

CAD DESK Eluru

**Chief Guests:** Sri G.V.Narasimha Raju,

President, DNR College Association

Sri G.Satyanarayana Raju (Babu)

Secretary & Correspondent, DNR College Association

**Inauguration:** Dr.U.Ranga Raju,

Principal, DNR College of Engineering & Technology

**No of Students Attended:** 135

**Concept:**

In this seminar Mr.Hari kirshna explained about various tools used in the CAD. They also explained how to Create 2D Layout and Detailed Tool Design drawings to meet required specifications using CATIA V5. And they also discussed the difference between CAD and CATIA .They also explained how to create 2D and 3D sketches. They also discussed about various industrial applications.

*J. Bhinnu kulkarni*  
Convener

*[Signature]*  
Principal