



# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC with 'A' Grade, ISO 9001:2015 Certified Institution

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India

## DEPARTMENT OF CIVIL ENGINEERING

### REPORT ON

### TWO-DAY WORKSHOP on 3Ds MAX

Event Type	Workshop
Date / Duration	22 – 23 September 2017
Resource Team	CAAD Desk, Vijayawada
Name of Coordinator	Sri P.Mohan Ganga Raju
Target Audience	B Tech Civil 2 <sup>nd</sup> , 3 <sup>rd</sup> and 4 <sup>th</sup> year students
Total no of Participants	160 (internal)
Objective of the event	Introduced the fundamental concepts of 3Ds Max, a software, which can be used with a prerequisite knowledge of AutoCAD.
Outcome of event	<ul style="list-style-type: none"> <li>Controlling and Configuring the Viewports in 3Ds Max.</li> <li>Customizing the 3Ds Max Interface and Setting Preferences.</li> <li>3Ds Max Transforming objects, Pivoting, Aligning, and Snapping.</li> <li>Exploring the 3Ds Max Interface.</li> </ul>
Feedback / Suggestions	<ul style="list-style-type: none"> <li>The students are given hands- on experience with the software.</li> <li>Creative designs were made by the students at the end of this highly interactive workshop.</li> </ul>

### Photographs

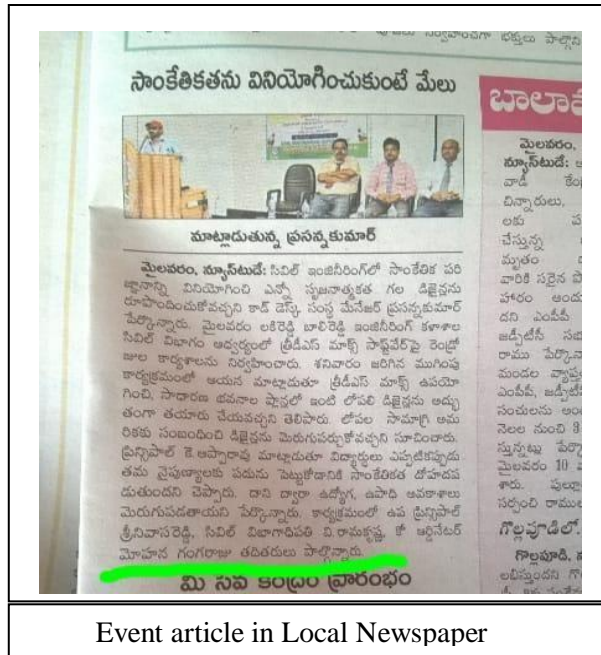


Resource person demonstrating 3D's MAX software



HOD of Civil Department awarding certificates to Participated students

**Paper Clippings:**



Event article in Local Newspaper

**REPORT**

A 2-day workshop on 3Ds Max” was organized for the 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup> B Tech Civil Engineering students in LBRCE by IE (I) Student Chapter of Civil Engineering Department during 22<sup>nd</sup> and 23<sup>rd</sup> September 2017 in association with CAAD Desk, Vijayawada. Sri Prasanna Kumar, Manager of CAAD Desk, led a 3-member team for the workshop. This workshop is organized as a part of department’s objective of introducing the civil engineering students with latest software available on the subject.

The resource team introduced the fundamental concepts of 3Ds Max, a software, which can be used with a prerequisite knowledge of AutoCAD. This software will be helpful in designing the interior facilities in the house plan with a high degree of creativity. The modern civil engineer should be acquainted of new software tools to satisfy the customer needs and producing quality output in short duration and also increase the higher job prospects. The students are given hands- on experience with the software. Creative designs were made by the students at the end of this highly interactive workshop.



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## DEPARTMENT OF CIVIL ENGINEERING

### REPORT ON

### GLOBAL CERTIFICATION TRAINING PROGRAM ON AUTOCAD PROFESSIONAL

Event Type : Two-week workshop  
Date / Duration : 07-05-2018 to 19-05-2018  
Resource Person : A. Chaitanya, Mentor, APSSDC

Name of Coordinator : P. Mohana Gangaraju

Target Audience : III Year B.Tech Students

Total no of Participants: Students: Internal - 15

Objective of the event:

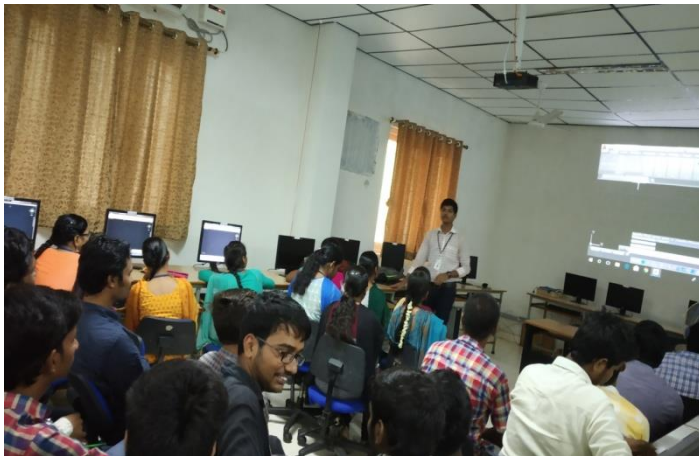
The objective of this course is to teach students the basic commands and tools necessary for professional 2D drawing, design and drafting using AutoCAD.

Outcome of event :

- Use AutoCAD for daily working process.
- Navigate throughout AutoCAD using major navigating tools
- Understand the concept and techniques to draw.
- Create layers to control the objects' visibility
- Plot or print the drawing by scale.
- To use constraint for certain design.
- To become an AUTOCAD certified professional

Feedback / Suggestions : Students gave positive feedback on the workshop and requested to conduct more workshops like certified courses

Photographs :



Resource person delivering class on AUTOCAD



Students practicing



Resource person delivering class on AUTOCAD



Students practicing

Press Clippings : Nil

### REPORT

Skill Development Centre, LBRCE (SDC-LBRCE) in association with Andhra Pradesh State Skill Development Corporation (APSSDC) conducted Two week Certification programme on “AUTOCAD” for B.Tech Aerospace and Civil students from 07 May 2018 to 21 May 2018 to explore the hybrid engineering environment using AutoCAD. Dr.K.Apparao, Principal of LBRCE welcomed the participants and stated the importance of AUTOCAD in latest application areas and also insisted the students to follow the sessions carefully. Dr.K.S.M.V.Kumar, SDC-LBRCE co-ordinator suggested the students that it is an opportunity to add additional skill set, so that students can capture the jobs easily. And promised to arrange hands-on training programs many in future. Dr. V.Ramakrishna, HOD of Civil Department addressed the students to be interactive in these sessions and take positive output from the program as civil engineering drawing using AUTOCAD has become an integral part in their career. Dr. P. Lovaraju, HOD Aerospace, Stressed the importance of computer aided designs in the broad field of engineering and instructed the students to acquire

in depth knowledge on these certification courses which could be helpful for their career. The Resource person Mr.A.Chaitanya, trained the students on AUTOCAD with both theory and practical knowledge.

He has covered following topics with hands-on practice:

- ♣ Introduction of AUTOCAD
- ♣ Advanced tool managements
- ♣ Parametric modelling
- ♣ Drafting



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## DEPARTMENT OF CIVIL ENGINEERING

### REPORT ON GUEST LECTURE ON USAGE OF BAMBOO AS CONSTRUCTION MATERIAL

Event Type	Guest Lecture
Date / Duration	04-10-2017
Resource Person	Jagadish Vengala, Professor and HOD, BMS Institute of Technology and Management, Bangalore
Name of Coordinator	Sri B.Ramakrishna and Sri M. Satyanarayana
Target Audience	CIVIL B Tech 1 <sup>st</sup> and 2 <sup>nd</sup> students
Total no of Participants	110 (internal)
Objective of the event	To discuss the different types of Bamboo available, their properties, load carrying capacity, and how to use them in civil engineering construction
Outcome of event	Demonstrating Bamboo as a <ul style="list-style-type: none"> <li>• Light, strong and versatile</li> <li>• Environment friendly</li> <li>• Accessible to the poor</li> <li>• Self renewing resource</li> </ul>
Feedback / Suggestions	<ul style="list-style-type: none"> <li>• To use Bamboo as a eco friendly construction materials</li> <li>• To know socio-economic benefits of bamboo as construction materials</li> </ul>

### Photographs



Dr Jagadish Vengala addressing the students



HOD civil Dr.V.Ramakrishna felicitating award to resource person

## Press Clippings



Event article in Local newspaper

### REPORT

A Guest lecture on Usage of Bamboo as Construction Material was organized in LBRCE by IE (I) Student Chapter of Civil Engineering Department on 4<sup>th</sup> October 2017 for the 1<sup>st</sup> and 2<sup>nd</sup> B.Tech Civil Engineering students. Dr Jagadish Vengala, Professor and HOD, BMS Institute of Technology and Management, Bangalore acted as Resource person. He discussed the different types of Bamboo available, their properties, load carrying capacity, and how to use them in civil engineering construction. He discussed the importance of cleaning and treating the bamboo before usage. He elaborated the strength properties of bamboo usage with and without conventional iron reinforcement in construction through case studies. He highlighted the increasing role of bamboo as a low cost construction material and inclusion of design parameters using bamboo in IS Codes. Exposure to this information will lead to increased experimental studies using bamboo as an alternate material by the students.



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## DEPARTMENT OF CIVIL ENGINEERING

### REPORT ON

### AWARENESS PROGRAMME

Event Type	Seminar
Date / Duration	14-02-2018
Resource Person	Mr Sukumar, the Chief Manager of HPCL Unit Kondapalli
Name of Coordinator	Sri J. Rangaiah and Sri M. Satyanarayana
Target Audience	II B.Tech students of Civil and Mechanical Engineering departments.
Total no of Participants	240(internal)
Objective of the event	Create awareness on “ <b>Energy Conservation</b> ”
Outcome of event	<ul style="list-style-type: none"><li>• To impart knowledge in the domain of energy conservation</li><li>• To bring out Energy Conservation Potential</li><li>• To inculcate knowledge and skills about assessing the energy efficiency of an entity/ establishment</li></ul>
Feedback / Suggestions	Minimize usage of energy resources and reduce the pollution problems



శంభవం 15/2/18

## సహజ వనరుల సంరక్షణకు ప్రతి ఒక్కరూ కృషి చేయాలి

మైలవరం, ఫిబ్రవరి 14 (ప్రభ మ్యూన్): సహజ వనరుల సంరక్షణకు ప్రతి ఒక్కరూ కృషి చేయాలని విజయవాడ హెచ్పిఎల్ సీఎల్ బూస్టర్ స్టేషన్ కు చెందిన టీవీ మేనేజర్ సుకుమార్ తెలిపారు. బుధవారం స్థానిక అకిరెడ్డి బాలిరెడ్డి ఇంజనీరింగ్ కళాశాలలో ఎన్ఎస్ఐసీ విభాగం స్టూడెంట్ ఛాన్సల్ సివిల్ వారి సంయుక్త ఆధ్వర్యంలో విజయవాడ హెచ్పిఎల్ బూస్టర్ స్టేషన్ వారి సౌజన్యంతో డిజిట్ డిగ్రీయూ సంవత్సరం చదువుతున్న సివిల్ మెకానికల్ విద్యార్థులకు సహజ వనరుల సంరక్షణ పర్యావరణ పరిరక్షణ అనే అంశంపై అవగాహన కార్యక్రమం నిర్వహించారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ డిజిట్ పెరుగుతున్న నేటి ప్రపంచ అవసరాలకు సహజ వనరులైన పెట్రోలియం ఉత్పత్తులు, పెట్రోల్ డీజిల్ వంటి ఇంధనాలపై ఎక్కువ ఆధారపడినప్పుడు వాయు కాలుష్యం ఏర్పడుతుందన్నారు. పర్యావరణ హిత పెట్రోలియం ఉత్పత్తుల తయారీకి ప్రాముఖ్యత వహించి నిరంతరాయంగా వేస్తున్నదని ఆయన తెలిపారు. పెట్రోల్, డీజిల్ వాడకం తగ్గించే అవకాశాలను సహజ వనరుల సంరక్షణ నిర్వహణ రాజ్ యే కాలడ్జీ కీలకమైన అంశంగా మారుతుందని యువత ఈ దిశగా చట్టబద్ధ అవగాహనతో వ్యవహరించి తమ భవిష్యత్తును భావి తరాల వారి భవిష్యత్తును సరిదిద్దుకోవ

లను అవసరం ఎంతైనా ఉందన్నారు. ఈ సందర్భంగా విద్యార్థులకు చిత్రలేఖన పోటీలు నిర్వహించి విజేతలుగా నిలిచిన మెకానికల్ విద్యార్థులకు బహుమతులు అందజేశారు. ఈ కార్యక్రమంలో కళాశాల వైస్ చీఫ్ సునీల్ దా. కె శ్రీనివాస్



ర్యాలీ నిర్వహిస్తున్న విద్యార్థులు

రెడ్డి, ఎన్ఎస్ఐసీ ప్రోగ్రాం అధికారి పి ఆశోక్ రెడ్డి, సివిల్ విభాగాధిపతి డా. వి రామకృష్ణ మెకానికల్ విభాగాధిపతి డా. ఎన్ పిల్లారెడ్డి తదితరులు పాల్గొన్నారు. అనంతరం విద్యార్థులతో భారీ ర్యాలీ నిర్వహించారు.

శంభవం 15/2/18

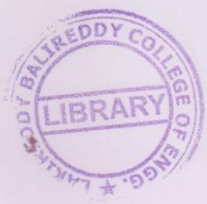
## సహజ వనరులు రక్షించుకుందాం

మైలవరం, ఫిబ్రవరి 14: సహజ వనరుల సంరక్షణకు ప్రతి ఒక్కరూ కృషి చేయాలని హెచ్పిఎల్ టీవీ మేనేజర్ సుకుమార్ ఆహ్వాదించారు. సహజ వనరుల సంరక్షణ, పర్యావరణ పరిరక్షణ అనే అంశంపై బుధవారం స్థానిక ఎల్ఐఆర్ఓ ఇంటి విద్యార్థులకు అవగాహన సదస్సు జరిగింది. ఈ సదస్సులో సుకుమార్ మాట్లాడుతూ నేటి ప్రపంచ అవసరాలకు సహజ వనరులైన పెట్రోలియం ఉత్పత్తులు పెట్రోల్, డీజిల్ వంటి ఇంధనాలపై ఎక్కువ ఆధారపడవలసి వస్తుందిని తద్వారా వనరుల నిల్వలు తగ్గితగ తిన క్షీణిస్తున్నాయన్నారు. తదనుగుణంగా సంరక్షణ చర్యలు చేపట్టాలని అవసరం ఉందన్నారు. పెట్రోల్, డీజిల్

ప్రాముఖ్యమైన అంశంగా అనుగుణంగా పరిశోధనలు నిరంతరాయంగా చేస్తున్నదని ఆయన తెలిపారు. పెట్రోల్, డీజిల్ వాడకం తగ్గించే అవకాశాలను, సహజ వనరుల సంరక్షణ, నిర్వహణ రాజ్ యే లోకల్ కీలకమైన అంశంగా మారుతుందని తెలిపారు. ఈ కార్యక్రమంలో వైస్ చీఫ్ సునీల్ దా. కె శ్రీనివాస్, అధికారి పి ఆశోక్ రెడ్డి, సివిల్ విభాగాధిపతి రామకృష్ణ మెకానికల్ విభాగాధిపతి పిల్లారెడ్డి, విద్యార్థులు పాల్గొన్నారు. ఈ సందర్భంగా విద్యార్థులకు నిర్వహించిన చిత్రలేఖన పోటీలలో ప్రథమ, ద్వితీయ, తృతీయ స్థానాలు సాధించిన విజేతలకు బహుమతులు అందించారు. అనంతరం పర్యావరణ పరిరక్షణ, ఇంధన వనరుల సంరక్షణపై విద్యార్థులు ర్యాలీ నిర్వహించారు.



ర్యాలీ నిర్వహిస్తున్న విద్యార్థులు



Students actively participating in road show programme

## **REPORT**

IE(I) student chapter Civil Engineering Department and NSS unit LBRCE, Mylavaram in association with HPCL–Vijayawada Booster station Petroleum Conservation Research Association, a division of Ministry of Petroleum & Natural Gas, Govt. of India organized an awareness programme pertaining to “**Energy Conservation**” on 14-02-2018 for the II B.Tech students of Civil and Mechanical Engineering departments.

Mr Sukumar, the Chief Manager of HPCL Unit Kondapalli, Vijayawada addressed the need for conservation of natural resources. He stressed the fact that the increased needs of population are leading to usage of petroleum products such as diesel and petrol for their energy needs. Besides giving energy to the users these fuels also emit various gaseous pollutants that are polluting the environment. Hence there is a need to minimize usage of these energy resources and reduce the pollution problems. The HPCL is extensively involved in R&D activities to improve the quality of fuel to reduce gaseous emissions. The oil prices are fluctuating all over the world leading economic imbalances in many countries. The need of the hour is hence to take certain steps to minimize fuel usage such as switching off automobile engine at traffic signals, maintaining and servicing the automobiles regularly for better mileage and less emissions, pool driving, increased usage of public transport etc to conserve the energy resources and increase their time of availability to mankind.

A drawing competition pertaining to “**Save Fuel, Save Environment, Save Future**” is organized in this regard. K. Ashok Reddy, P. Abhishek and S. Nivesh, the II year Mechanical students, bagged the prizes in the competitions. Later a rally is organized in the campus to spread the need of energy conservation.



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## DEPARTMENT OF CIVIL ENGINEERING REPORT ON GUEST LECTURE

Event Type	Guest lecture
Date / Duration	12-07-2017
Resource Person	Dr K.B. Chary, Scientist GIS labs, Hyderabad acted as Resource person
Name of Coordinator	Sri J. Rangaiah and Sri M. Satyanarayana
Target Audience	III and II B.Tech students of Civil and Mechanical Engineering departments.
Total no of Participants	140(internal)
Objective of the event	Importance of GIS in planning of civil engineering activities on field such as roadway or railway expansion, dams and reservoir construction, land use, land cover, hydrology and geological information, new infrastructure development
Outcome of event	Interpretation of remote sensing images using GIS, analysis of information from GIS data
Feedback / Suggestions	Improve the career options of civil engineers in the present day competitive society

### Photographs



Dr K.B. Chary addressing the students



Students participation in guest lecture

**Press Clippings:**

**'జియో స్పేషియల్ టెక్నాలజీ'పై అవగాహన**

మైలవరం: స్థానిక లకెరెడ్డి బాలిరెడ్డి ఇంజనీరింగ్ కళాశాలలోని సివిల్ ఇంజనీరింగ్ విద్యార్థులకు జియో స్పేషియల్ టెక్నాలజీ ఫర్ ఇంజనీర్స్ అనే అంశంపై హైదరాబాద్ జీఎస్ ఎస్ లాబ్స్ కు చెందిన సైంటిస్ట్ డాక్టర్ కె.బి చారి అవగాహన కల్పించారు. జీఎస్ వల్ల కలిగే ప్రయోజనాలు, నేటి సమాజంలో జీఎస్ వాడకం గురించి వివరించారు. సివిల్ ఇంజనీరింగ్ విద్యార్థులు ఈ సభ్యత్వంపై పట్టు సాధిస్తే కెరీర్ లో లబ్ధి పొందుతారని తెలియజేశారు. శాటిలైట్ నుంచి ఇమేజెస్ తీసుకుని ఒక ప్రాంతంలో జరిగిన, జరుగుతున్న మార్పులను జీఎస్ ద్వారా నిశితంగా గమనించవచ్చన్నారు. సివిల్ ఇంజనీరింగ్ ప్రాజెక్ట్ల ప్లానింగ్ జీఎస్ ఉపయోగించి సులభంగా, ప్రణాళికబద్ధంగా మలుచుకోవచ్చని తెలిపారు. ఆరు నెలల పరిజ్ఞానంపై పట్టు సాధించడం ద్వారా ఉద్యోగ అవకాశాలను మెరుగుపరచుకోవచ్చని ఆయన వివరించారు. కార్యక్రమంలో ప్రీన్స్ పాల్ డా.కె. అప్పారావు, వైస్ చీఫ్ ప్రొఫెసర్ డా.కె. శ్రీనివాసరెడ్డి, సివిల్ విభాగాధిపతి డా.వి. రామకృష్ణ, ఎన్ఆర్ఎం రెడ్డి తదితరులు పాల్గొన్నారు.



ఎన్టీఆర్ సీఈలో మాట్లాడుతున్న సైంటిస్ట్ డాక్టర్ చారి

ఆంధ్రజ్యోతి Thu, 13 July 2017  
epaper.andhrarajyothy.com//c/20

**REPORT**

A Guest lecture on Geo Spatial Technologies for Engineers was organized in LBRCE by IE (I) Student Chapter of Civil Engineering Department on 12<sup>th</sup> July 2017 for the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> B.Tech Civil Engineering students. Dr K.B. Chary, Scientist GIS labs, Hyderabad acted as Resource person. He discussed the concept of GIS, its importance in today's society, and the multiple benefits that can be tracked from GIS. Importance of GIS in planning of civil engineering activities on field such as roadway or railway expansion, dams and reservoir construction, land use, land cover, hydrology and geological information, new infrastructure development, etc. are discussed. Dr Chary detailed about the interpretation of remote sensing images using GIS, analysis of information from GIS data on this occasion. Exposure to this modern tool such as GIS will certainly improve the career options of civil engineers in the present day competitive society, he opined.



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L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India

## DEPARTMENT OF CIVIL ENGINEERING

### REPORT ON PADMABHUSHAN DR K.L. RAO BIRTHDAY CELEBRATIONS

Event Type	Padmabhushan Dr K.L. Rao Birthday Celebrations
Date / Duration	17-07-2017
Resource Person	Dr Lakireddy Prasad Reddy
Target Audience	LBRCE Students
Total no of Participants	LBRCE Students
Objective of the event	To spread the awareness about Padmabhushan Dr K.L. Rao.
Feedback / Suggestions	

#### Photographs

	
Dr Lakireddy Prasad Reddy (Vice Chairman) garlanded the Statue Dr K.L Rao	Event Press gathering



Dr Lakireddy Prasad Reddy awarding winners



Students participation in Creative drawing

**Press Clippings**

ఈనాడు 16/7/17

భాషి ఇంజనీర్స్కు స్ఫూర్తి కేవల్ రావు

**మెలబరం, మ్యాగ్సిటరు:**  
ఎన్నో ప్రాజెక్టుల దూకల్లో వల్ల మేయగడించిన దివంగత ఇంజనీర్ కేవల్ రావు భారీ ఇంజనీర్లకు మూర్తిదాయకమని మైలవరం లోకేశ్వరి ఇంజనీరింగ్ కళాశాల వైస్ చైర్మన్ లోకేశ్వరి ప్రకాశ్ రావు తెలిపారు.

స్ఫూర్తిపరులకు కళాశాల ఎన్ఎస్సీ యూనిట్, జనస్థితికాల్ తది ఇంజనీర్స్ సమితి విభాగం ఆధ్వర్యంలో ఆయన విభవహారితో భూవనం చేసి నివాళులు అర్పించారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ బాగాభ్యుదయం చేసే ప్రతిస్పృశ్యక ఇంజనీర్ల సారథ ప్రాజెక్టును దాదాపుంచిన మనత ఆయనదేనని తెలిపారు. కళాశాలలో నిర్వహించిన క్రియేటివ్ డ్రాయింగ్ పోటీలో ప్రథమ, ద్వితీయ, తృతీయ స్థానాల సాధించిన శ్రీరాం శాశి, ఆదివాన్, కె ఆశోకరెడ్డి, మోషిత్ వర్తమ, ద్విలియన్

కేవల్ రావు చిత్రపటానికి వైస్ చైర్మన్ ప్రసారం చేసిన తరువాత విజాళి

వర్తమ వారు ప్రథమ స్థానం తెచ్చారు. ముగింపు కార్యక్రమంలో ప్రొఫెసర్లు వేణు గోవిందరాజు, శ్రీ సెన్ మాధుర్జీ, నానియన్ తది తది తరువాత ప్రసంగించారు. ప్రథమం అర్జున్, వర్తమన్ వర్తమన్ సహకారంతో నిర్వహించిన సమన్వయ విధి కళాశాల నుంచి మొత్తం 300 ప్రభుత్వం పాఠశాలలు అంతా మనస్ఫూర్తిగా ఆహ్వానం చేసి సాధించారు. వారిలో 30 ఏంపీసీ చేసి, వారి కార్యక్రమ ప్రథమ స్థానం తెచ్చారు. సాగోన్న వారికి ప్రతీకరణ పత్రాలను అందజేశారు. వారి పత్రాలను క్రియేటివ్ డ్రాయింగ్లో ప్రవచనం చేయమని ఆయన తెలిపారు. కార్యక్రమంలో చైర్మన్ లోకేశ్వరి ప్రవచనం చేసారు. కార్యక్రమంలో చైర్మన్ లోకేశ్వరి, వైస్ చైర్మన్ ప్రకాశ్ రావు, అభ్యుదయ శ్రీనివాసరెడ్డి, వివిధ విభాగాల అధిపతులు పాల్గొన్నారు.

Eenadu 16-7-2017

**REPORT**

Padmabhushan Dr K.L. Rao Birthday celebrations were organized in LBRCE by IE (I) Student Chapter of Civil Engineering Department and NSS unit on 15.7.2017. Dr K.L Rao was remembered for his great services to the Nation and the State on this occasion by garlanding his statue near LBRCE by Vice-Chairman Sri L.R.N.K. Prasad Reddy.

Earlier in the day, the IE (I) student Chapter of Civil Engineering Department and College NSS Unit organized Competitions on Creative drawing and elocution on this occasion. Sriram Kousik, Avinash and K. Ashok Reddy bagged prizes in Creative drawing while L. Aparna and Meerabi bagged prizes in elocution. Sri L.R.N.K. Prasad Reddy, Vice-chairman and Dr K. Apparao, Principal distributed the prizes and merit certificates to the winners. The programme is attended by Sri G. Srinivasa Reddy, President, Dr V. Ramakrishna, HOD-Civil, Sri P. Ashok Reddy, Coordinator NSS unit and other Heads of departments.



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## DEPARTMENT OF CIVIL ENGINEERING REPORT ON

### THREE -DAY WORKSHOP

Event Type	Workshop
Date / Duration	19-21-Feb-2018
Resource Team	APSSDC, Vijayawada
Name of Coordinator	Sri P.Mohana Ganga Raju
Target Audience	B.Tech Civil I Year Students.
Total no of Participants	52(internal)
Objective of the event	The objective of this course is to teach students the basic commands and tools necessary for professional 2D drawing, design and drafting using AutoCAD.
Outcome of event	<ul style="list-style-type: none"><li>• Understand the concept and techniques to draw.</li><li>• Create layers to control the objects' visibility</li><li>• Plot or print the drawing by scale.</li><li>• To use constraint for certain design</li></ul>
Feedback / Suggestions	Students gave positive feedback on the workshop and requested to conduct more workshops like certified courses

Photographs :



Dr.V.Rama Krishna(HOD) addressing the event



Principal addressing the students about event



Resource person delivering class on AUTOCAD



Principle presenting certificates

Press Clippings :



Article in different Newspaper

## REPORT

The Skill Development Centre, LBRCE (SDC-LBRCE) in association with **Andhra Pradesh State Skill Development Corporation (APSSDC)** organized a Three day Certification programme on “**AUTOCAD**” for B.Tech first year civil students from 19<sup>th</sup> Feb 2018 to 21<sup>st</sup> Feb 2018.

Dr.K.Apparao, Principal of LBRCE addressed the students and stated the importance of AUTOCAD in latest application areas and also insisted the students to follow the sessions carefully. Dr.K.S.M.V.Kumar, SDC-LBRCE co-ordinator suggested the students that it is an opportunity to add additional skill set, so that students can improve the job opportunity, and promised to arrange more number of hands-on training programs in future. Dr. V.Ramakrishna, HOD of Civil Department suggested the students to be interactive in these sessions and take positive output from the program as civil engineering drawing using AUTOCAD has become an integral part in their career. The Resource person Mr N. Naga Sai, trained the students on AUTOCAD with both theory and practical knowledge.





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### DEPARTMENT OF CIVIL ENGINEERING

#### REPORT ON INDUSTRIAL VISIT TO PULICHINTALA HYDRO ELECTRIC PROJECT

**Event Type:** Industrial visit

**Date / Duration:** 03-01-2018

**Resource Persons:** --

**Name of Coordinators:**

1. Sri J. Rangaiah-Associate Professor
2. Sri B.Ramakrishna-Assistant Professor
3. Sri K.Harish Kumar - Assistant Professor
4. Sri.J.Eeshwar ram - Assistant Professor

**Target Audience:** 3<sup>rd</sup> year B.Tech Civil Engineering students of LBRCE

**Total no of Participants:** 66

**Objective of the event:** 1. To bridge the gap between theory and practice

**Outcome of event:**

1. Students became aware of the detailed account of various technical issues of the plant
2. Students became aware about working process and its parts such as stator, rotor and electromagnetism phenomena, draft tubes, penstocks

**Feedback / Suggestions:** Positive. More programmes are required.

### REPORT

As a part of IE (I) Civil Engineering Student Branch LBRCE activity, an industrial visit to Pulichintala Hydro Electric Project, a 120 MW hydroelectric power station (4 units of 30 MW each), located in Nalgonda District was organized on 30.01.2018. Around 100 B.Tech civil students from 3<sup>rd</sup> and 4<sup>th</sup> year along with 5 faculty members took part in the visit.

The Pulichintala dam built across the Krishna River between areas in Nalgonda on one side and Guntur on the other side, is the third major irrigation project, after Srisailem and Nagarjunasagar. It was opened on 7 December 2013 by Chief Minister of Andhra Pradesh.

The project has a total pondage of 45.77 TMCft out of which 30 TMCft will be live storage while the rest will be dead storage. This dam has a height of 42.23m, length of 2922m, and width of 31m. It gives irrigation facility to 13 lakh acres. It has 24 gates in all with a balancing reservoir of capacity of 45.77 TMCft. The plant is currently under the control of TG (Telangana) GENCO. When water impinges on turbine through a penstock with a high velocity, propeller blades rotate. The 3 phase alternator or simply generator coupled to the turbine produces electric power.

The plant consists of a 3 Phase ac alternator consisting of 48 poles and generates power of 120MW, is currently in designing process. The plant is fitted with 4 Kaplan turbines each having 6 blades capable of producing 30 MW each. Kaplan turbines are widely used throughout the world for electrical power production.

The plant authorities gave a detailed account of various technical issues of the plant such as alternator working process and its parts such as stator, rotor and electromagnetism phenomena, draft tubes, penstocks, working and advantages of Kaplan turbines, pumping system beneath the dam, location of the dam, and principles of energy conversion – hydro – mechanical – electrical and subsequently generation of electricity.

The visit, primarily an educational tour, helped the students and the faculty members to get a very good exposure of the basics behind planning, construction, working and various practical aspects of a hydro electric project. The help and cooperation from the plant authorities was excellent as they explained all the necessary details in a lucid manner.

### Photographs:



Students are assembled at LBRCE Campus



Students are assembled at Hydro Power Plant



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### DEPARTMENT OF CIVIL ENGINEERING

#### REPORT ON INDUSTRIAL VISIT TO PULICHINTALA HYDRO ELECTRIC PROJECT

**Event Type:** Industrial visit

**Date / Duration:** 05-02-2018

**Resource Persons:** --

**Name of Coordinators:** 1. Sri J. Rangaiah-Associate Professor  
2. Sri B.Ramakrishna-Assistant Professor  
3. Sri K.Harish Kumar - Assistant Professor

**Target Audience:** 3<sup>rd</sup> year B.Tech Civil Engineering students of LBRCE

**Total no of Participants:** 60

**Objective of the event:** 1. To bridge the gap between theory and practice

**Outcome of event:** 1. Students became aware of the detailed account of various technical issues of the plant  
2. Students became aware about working process and its parts such as stator, rotor and electromagnetism phenomena, draft tubes, penstocks

**Feedback / Suggestions:** Positive. More programmes are required.

### REPORT

As a part of IE (I) Civil Engineering Student Branch LBRCE activity, an industrial visit to Pulichintala Hydro Electric Project, a 120 MW hydroelectric power station (4 units of 30 MW each), located in Nalgonda District was organized on 30.01.2018. Around 100 B.Tech civil students from 3<sup>rd</sup> and 4<sup>th</sup> year along with 5 faculty members took part in the visit.

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### Photographs:



Students are assembled at Hydro Power Plant



Students are assembled at Hydro Power Plant



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### **DEPARTMENT OF CIVIL ENGINEERING** **REPORT ON INDUSTRIAL VISIT TO MILK PROJECT**

**Event Type:** Industrial visit

**Date / Duration:** 16-03-2018

**Resource Persons:** --

**Name of Coordinators:** 1. Sri B.Narasimha Rao-Assistant Professor  
2. Sri.J.Eeshwar ram - Assistant Professor

**Target Audience:** 3<sup>rd</sup> year B.Tech Civil Engineering students of LBRCE

**Total no of Participants:** 60

**Objective of the event:** 1. To bridge the gap between theory and practice

**Outcome of event:** 1. Students became aware of the wastewater generation from various sources.  
2. Students became aware about wastewater treatment plant for treating dairy wastes.

**Feedback / Suggestions:** Positive. More programmes are required.

#### **REPORT**

The 3<sup>rd</sup> year B Tech civil engineering students underwent an industrial visit to The Krishna District Milk Producer's Mutually Aided Co-Operative Union Limited (Milk project), Vijayawada on **16-03-2018**. The visit is intended to develop exposure to the students in understanding the (i) process operations in Milk project (ii) wastewater generation from various sources (iii) study of drainage systems (iv) study of wastewater treatment plant for treating dairy wastes.

The students visited the several operations that are carried out in the plant. Raw milk is processed and converted various grades of toned milk, ghee, butter, butter milk, curd etc. The finished products are sent to several outlets in and around the city for sale. The wastewater generation sources and their entry into the drainage system are observed. The drainage system consists of open and underground drain pipes which is collected for treatment in a treatment plant located within the premises. The treatment plant employs secondary biological treatment and consists of sedimentation tank, aeration tank, oil trap and sludge drying beds. The treated sewage is finally used for gardening and other minor uses in the plant for washings.

The industrial visit helped the students in visualising wastewater generation, its collection and flow in sewers/drains in industrial operations, wastewater treatment operations and the related equipment. The visit is fully interactive and all the students participated enthusiastically and enjoyed the experience.

## Photographs:



Students are assembled at LBRCE Campus



Students are assembled at Milk Project