



M V G R COLLEGE OF ENGINEERING(A)

Chintalavalasa, Vizianagaram-535005

Accredited by NAAC with 'A' Grade & Listed u/s 2(f) & 12(B) of UGC
(Approved by AICTE, New Delhi and Permanently Affiliated by JNTUK-Kakinada)

Metric No: 6.3.3

DVV Comment:

Provide Event Brochures and reports of (PIPENET 2015 Water Resources of Andhra Pradesh FDP-Real Time applications of Microprocessors and DSP(RTAMD-15) FDP-Soft computing techniques(SCT-2K16) for the year 2015-16, Repair, Rehabilitation and Retrofitting of Reinforced Concrete Elements, RRRRCE-16 FDP-Real Time applications using LabVIEW(RTAL-2K16) "Two Day National Workshop on Emerging Trends in Automotive Technologies for the year 2016-17, FDP-Power Electronic Applications on Renewable Energy and Electrical Vehicles(PEREEV-2K17) Hybrid & Electric Vehicle Technologies (HEVT'2018) "Two Day National Workshop on EDGE CAM-2018 "for the year 2017-18, Applications of DGPS in Field Surveying Hydrologic and Hydraulic modeling using MIKE SHE & MIKE HYDRO RIVER FDP-Power Electronic Applications to Power systems(PEAPS-2K18) for the year 2018-19, Water Distribution Network Modeling using EPANET International Conference on Sustainable Systems and Structures Recent trends in Sustainable design of structures NT Staff for the year 2019-20) with Photographs with date and caption.

HEI Response

Event Brochures and reports of all the above FDPs are provided as a single copy in the order mentioned below:

S.No.	Year	Title of the professional development program organised for teaching staff	Page Nos.
1	2015-16	PIPENET 2015	01 to 20
2		Water Resources of Andhra Pradesh	
3		FDP-Real Time applications of Microprocessors and DSP(RTAMD-15)	
4		FDP-Soft computing techniques(SCT-2K16)	
5	2016-17	Repair, Rehabilitation and Retrofitting of Reinforced Concrete Elements, RRRRCE-16	21 to 44
6		FDP-Real Time applications using LabVIEW(RTAL-2K16)	
7		Two Day National Workshop on Emerging Trends in Automotive Technologies	
8	2017-18	FDP-Power Electronic Applications on Renewable Energy and Electrical Vehicles(PEREEV-2K17)	45 to 60
9		Hybrid & Electric Vehicle Technologies (HEVT'2018)	
10		Two Day National Workshop on EDGE CAM-2018	
11	2018-19	Applications of DGPS in Field Surveying	61 to 80
12		Hydrologic and Hydraulic modeling using MIKE SHE & MIKE HYDRO RIVER	
13		FDP-Power Electronic Applications to Power systems(PEAPS-2K18)	
14	2019-20	Water Distribution Network Modeling using EPANET	81 to 83
15		International Conference on Sustainable Systems and Structures	
16		Recent trends in Sustainable design of structures	
17		NT Staff	

2015-16

MAHARAJ VIJAYARAM GAPATHI RAJ COLLEGE OF ENGINEERING(AUTONOMOUS)

Vijayaram Nagar Campus, Chintalavalasa, Vizianagaram-535005, Andhra Pradesh

Accredited by NAAC with 'A' Grade & Listed u/s 2(f) & 12(B) of UGC

(Approved by AICTE, New Delhi and Permanently Affiliated by JNTUK-Kakinada)

NBA Accredited UG Courses: B.Tech(MEC), B.Tech(CIV), B.Tech(EEE), B.Tech(ECE), B.Tech(CSE), B.Tech(IT),
B.Tech(MEC) & B.Tech(CHE) and PG Course: MBA

**DEPARTMENT OF CIVIL ENGINEERING
MVGR COLLEGE OF ENGINEERING (AUTONOMOUS)**

6.3.3 List of Workshops and seminars organised

AY: 2015-16

REPORT ON THREE DAY STUDENT WORKSHOP ON MODELLING OF WATER DISTRIBUTION PIPE NETWORKS USING EPANET (PIPENET 2015) CONDUCTED FROM 10-12-2015 TO 12-12-2015

ABOUT THE COLLEGE



Maharaj Vijayaram Gajapati Raj College of Engineering was established in the year 1997 under the aegis of educational trust "MANSAS", founded by the Raja Saheb of Vizianagaram popularly known as PVG. The college is located at Vijayaram Nagar campus, Chintalavalasa, Vizianagaram which is 45min drive from Visakhapatnam. The college offers 7 B.Tech programmes & 7 P.G programmes in Machine Design, Structural Engineering, VLSI, CSE, CNIS, Power systems and Business Administration. The college gifted with serene atmosphere amidst green plantation is making its untiring efforts to attain its objective of imparting qualitative technical education. The institute in addition to curricular programs constantly strives to update its faculty and students by conducting Workshops, Conferences, Seminars and Guest Lectures in the thrust areas of emerging fields.

ABOUT THE DEPARTMENT



The Department of Civil Engineering was established in the year 2009 offering UG in Civil Engineering and PG in Structural Engineering. The Department has state of art infrastructure with well equipped labs supported by experienced and well qualified faculty members, technical and non teaching staff, among which 7 are doctorates, 13 are Post Graduates from IIT's and other reputed institutes in India and abroad. Four faculty members are pursuing their Doctoral studies in various premier institutes. Department is active in research and offers consultancy services to various Government and Private organizations like GVMC, Vizianagaram Traffic Police Dept, AP Road Safety Dept., CPWD, RWS, VUDA, SPCB Vizianagaram etc., worth more than Rs. 10 Lakhs.

ORGANIZING COMMITTEE

CHIEF PATRONS

Dr. P. Anand Gajapati Raju Chairman – MANSAS
Sri P. Ashok Gajapati Raju Vice -Chairman – MANSAS

PATRON

Dr. KVL Raju Principal

ADMINISTRATIVE ADVISORY BODY

Dr. A.Raghava Rao Correspondent -MANSAS
Prof. D.J.J Ramachandra Raju Vice Principal, Admin.

TECHNICAL ADVISORY BODY

Dr. Y M C Sekhar Vice Principal (Academics)
Dr. K.Rajeswararao Professor & Dean (Civil-Infra)
Dr. K.Suryanarayana Professor, Dept. of Civil Engg., MVGR
Dr.P.Markandeya Raju Professor, Dept. of Civil Engg., MVGR

CONVENOR

Dr.SSV Gopala Raju Professor & HOD, Dept. of Civil Engg.

COORDINATOR

Dr. S Chandramouli Professor

Co-COORDINATORS

Mr.Ch.V.Ravisankar Asst.Professor
Mr.A.Vara Prasad Asst.Professor
Dr.N.Natarajan Asst.Professor

ORGANIZING COMMITTEE

Mr.B.RameshRaju	Assoc. Professor
Dr ParthibanGaneshan	Assoc. Professor
Sri S.MuraliSagarVarma	Asst. Professor
Sri. V. Vinay	Asst. Professor
Sri.R.P.Singh	Asst. Professor
Sri.P.Sudheer	Asst. Professor
Sri. B.Ramu	Asst. Professor
Sri B VjogaRao	Asst. Professor
Sri S Siva Prasad	Asst. Professor
Sri T P Sreejani	Asst. Professor
Sri S Purshotamrao	Asst. Professor
Sri W S Deepak	Asst. Professor
Sri Kalyan AVS	Asst. Professor
Sri SS Bhanu Kumar	Asst. Professor
Sri K Santhosh Kumar	Asst. Professor

**3-Day Student Workshop on
Modeling of
Water Distribution Pipe Networks using
EPANET**

PIPENET 2015

10-12 December, 2015



DEPARTMENT OF CIVIL ENGINEERING

MAHARAJ VIJAYARAM GAJAPATHI RAJ COLLEGE OF ENGINEERING (A)

(Approved by AICTE, New Delhi and permanently affiliated to JNTU Kakinada, Accredited by NBA and NAAC of UGC with 'A' Grade)
Listed under 2(f) and 12 (b) of UGC Act
Vijayaramnagar Campus, Chintalavalasa, Vizianagaram-535005
www.mvgrce.edu.in, Ph.:08922-241199 Ext: 101,
Fax: 08922-241039

1. ABOUT FDP/ACTIVITY/EVENT

Municipal water distribution systems represent a major portion of the investment in urban infrastructure and a critical component of public works. Nowadays, the demand for freshwater is ever increasing, especially in urban areas. So there is an urgent need for the reliable systems for preserving this resource. The water distribution system includes not only water supply pipe networks but also transmission and treatment. Out of all components, the cost of water supply pipe network is major and is even up to 70% of the total cost. Hence, a water supply engineer is required to know the operational aspects of a water distribution network. For small and simple water distribution networks, it is easy to operate by manual calculations. As the size of the network increases, the complexity increases. Nowadays, the computer technology is progressing like anything and so many computer models are developed for analysis of water distribution networks. EPANET software is one of the popular one for performing analysis based on gradient method.

EPANET is a computer program that performs extended period simulation of hydraulic and water quality behaviour within pressurized pipe networks. A network consists of pipes, nodes (pipe junctions), pumps, valves and storage tanks or reservoirs. EPANET tracks the flow of water in each pipe, the pressure at each node, the height of water in each tank, and the concentration of a chemical species throughout the network during a simulation period comprised of multiple time steps. In addition to chemical species, water age and source tracing can also be simulated. EPANET is designed to be a research tool for improving our understanding of the movement and fate of drinking water constituents within distribution systems. It can be used for many different kinds of applications in distribution systems analysis. Sampling program design, hydraulic model calibration, chlorine residual analysis, and consumer exposure assessment are some examples. EPANET can help assess alternative management strategies for improving water quality

throughout a system. These can include: · altering source utilization within multiple source systems, altering pumping and tank filling/emptying schedules, use of satellite treatment, such as re-chlorination at storage tanks, targeted pipe cleaning and replacement.

2. RESOURCE PERSONS

- a. Dr. S Chandramouli, Professor, Civil Engineering Department , MVGR College of Engineering
- b. Sri CHV RaviSankar, Asst.Professor,Civil Engineering Department, MVGR College of Engineering

3. PROGRAM SCHEDULE

Schedule of the Workshop (Venue: CAAD Lab, Dept. of Civil Engg., MVGR, VZM)

Day-1 (10-11-2015)	
Time	Topics to be covered
9:00 to 9:30	Registration
9:30-11:00	Inaugural function including high tea Venue : Admin. Seminar Hall, MVGR
11:00-1:00	Lecture on Basic principles of analysis of water distribution networks
1:00-2:00	Lunch
2:00- 4:00	Overview of Water distribution Systems and Methods of Analysis of Water Distribution Network
Day-2 (11-11-2015)	
Time	Topics to be covered
9:30 to 11:15	Analysis of water distribution network using EPANET
11:15-11:30	Tea Break
11:30-1:00	Practice session on Analysis of water distribution network using EPANET
1:00-2:00	Lunch Break
2:00- 4:00	Practice session on Analysis of water distribution network using EPANET
Day-3 (12-11-2015)	
9:30 to 11:15	Practice session on Analysis of water distribution network using EPANET
11:15-11:30	Tea Break
11:30-1:00	A small Project on modelling of water distribution network using EPANET
1:00-2:00	Lunch Break
2:00- 3:00	Evaluation of Project Reports
3:00-4:00	Valedictory Function

4. LIST OF PARTICIPANTS

External Registration details of PIPENET 2015

S.no	Name of the student	College address
1	Y SreeApoorva	Shri Vishnu Engg College for Women
2	Y Charishma	Shri Vishnu Engg College for Women
3	G.Srisatya	Shri Vishnu Engg College for Women

4	D.RaviTeja	AIMS College Amalapuram
5	Md. AmeerJaved	ANITS
6	N.Harish Kumar	ANITS
7	B.Nirosha	GMRIT
8	V VamsiKalyan	Gitam
9	K N Rakesh	Gitam
10	M V Pradeep Kumar	Gitam
11	M Sivateja	Gitam
12	B Renuka	Gitam
13	B SaiCharan Reddy	Gitam
14	B Harish	Gitam
15	B. Lokesh	Gitam
16	O Krishna JaswanthYadav	Gitam
17	K Mahesh vardhan	Gitam
18	Y Aravind	Gitam
19	B Sridhar	Gitam

Department of Civil Engineering
MVGR College of Engineering
Internal Registration details of PIPENET 2015

S.no	Name of the student	College address
1	Y Prasanthi	MVGR
2	M SaiDeepika	MVGR
3	N Haritha	MVGR
4	K Mounika	MVGR
5	M Manisha	MVGR
6	K Kalavathi	MVGR
7	P Gouthami	MVGR
8	P DivyaRani	MVGR
9	C H Eswar	MVGR
10	J Prudhvi Naidu	MVGR
11	B VamsiNaik	MVGR
12	L Harshavardhan	MVGR
13	ChRaviteja	MVGR
14	G Bharat Kumar	MVGR
15	U Sai Krishna	MVGR
16	V Rajesh	MVGR
17	A. Bhavana	MVGR
18	K.Harshasri	MVGR
19	G N M Lavanya	MVGR
20	B Pallavi	MVGR
21	K R S Kiran	MVGR
22	K PremKumar	MVGR
23	A AsifBaig	MVGR
16	V Rajesh	MVGR
17	B. Bhavana	MVGR
18	K.Harshasri	MVGR
19	G N M Lavanya	MVGR
20	B Pallavi	MVGR
21	K R S Kiran	MVGR

22	K PremKumar	MVGR
23	A AsifBaig	MVGR
24	K.Bhavagnya	MVGR
25	S.MadhusuddanRedy	MVGR
26	SatishVanapalli	MVGR
27	S.Likith	MVGR
28	B.Pavani	MVGR
29	AdasadaManjari	MVGR
30	DubaMounica	MVGR
31	C.Harshasree	MVGR

5. PHOTOGRAPHS



About College

Maharaj Vijayaram Gajapathi Raj College of Engineering was established in the year 1997 under the aegis of educational trust "MANSAS", founded in 1958 by the Raja Saheb of Vizianagaram popularly known as PVG. The college is located at Vijayaram Nagar campus, Chintalavalasa, Vizianagaram, Andhra Pradesh which is 1 hour drive from Visakhapatnam the city of destiny. The college offers 7 B.Tech programmes, namely, EEE, ECE, Mech, Civil, CSE, Chemical Engg and IT & P.G programmes in Machine Design, Structural Engineering, VLSI, CSE, CNIS, Power Systems, Computer applications and Business Administration. It is accredited with 'A' grade by NAAC of UGC. Also UGC has conferred Autonomous status to the college. The college gifted with serene atmosphere amidst green plantation is making its untiring efforts to attain its objective of imparting qualitative technical education. The institute in addition to curricular programs constantly strives to update its faculty and students by conducting Workshops, Conferences, Seminars and Guest lectures in the emerging fields.

About Department

The Department has state of the art infrastructure that caters to the outcome based teaching learning. A strong team of qualified & experienced faculty members with a right blend of industry, institution and R&D exposure supports teaching-learning requirements. In addition to curricular exposure department strives to keep students aware of the pragmatic needs of the industry for the improvement of employability and professional development. Therefore, department has signed MOU with **Siemens India Pvt. Ltd.** and **New Dawn Automation** to bridge the gap between industry and academia for imparting training to students in the areas of **PLC, Drives, Automation, MATLAB, LAB VIEW** etc.

Objective of the workshop

Faculty will be able to use Micro controller for control of electrical machines. They will gain hands on experience.

Course Contents:

- Beginner's Introductory for Programming AVR
- AVR Family of Microcontrollers
- Embedded 'C' Programming
- LCD & ADC Interfacing and general purpose input-output
- PWM Generation, Hardware Interfacing & Applications

- Introduction to DSP Processors, TMS320F28335 for Control and Power Electronic based Application
- Advanced Application: Multilevel Inverter

Resource Persons

Dr. D.K.Mohanta, MVGRCE(A), Vizianagaram

Dr. S.G. Kadwane, YCCE, Nagpur

Dr. M.J.B. Reddy, NITTrichy

Date & Venue

Date : **June 15th – 19th, 2015**

Venue : Department of EEE
MVGR College of Engineering,
Vizianagaram, Andhra Pradesh.

Eligibility for participation

Microcontrollers have found niche as important constituents for most of the gadgets such as remote controllers, audio/video devices, mobiles etc. So, Faculty Members/ Practicing Engineers/ Scientists/ Research Scholars from any disciplines are invited.

Registration Fee

Category	IEEE Members	Non-IEEE Members
Faculty	Rs.2000/-	Rs.2500/-
Student	Rs.1000/-	Rs.1500/-
Industry	Rs.3000/-	Rs.3500/-

Registration fee is payable through Demand draft in **favour of Principal, MVGR College of Engineering, Vizianagaram** payable at **Vizianagaram**, on or before **12th June 2015**. The registration fee includes kit cost as well as working lunch. The registration form can be downloaded from the college website. The duly filled form can be sent to the following address.

Address for Communication:

Coordinator:

Mr. M. Venu Madhav
Associate Professor
EEE Department
MVGR College of Engineering
Chintalavalasa, Vizianagaram
Mobile: +91-9849403410
Phone: +91 8922-241167(O)
E-mail: vmmvilli@gmail.com
College website: www.mvgrce.edu.in

A Faculty Development Programme on Real-time Applications of Micro- controllers & DSP June 15th – 19th, 2015



Technically Sponsored by IEEE Vizag Bay Sub-Section

Registration form

Participant's Name :
Designation :
Department :
Organization :
Address for
Communication :
Ph.No :
E-mail ID :

Registration Details

DD No. : Date:
Amount Rs. : Bank:

Signature

SPONSORSHIP CERTIFICATE

Certified that Mr./Ms. _____ is a regular employee of our institution since _____ and is hereby sponsored to attend a faculty Development Programme on Real-Time Applications of Micro-controllers & DSP at MVGR College of Engineering, Vizianagaram during 15th-19th June 2015.

Place:

Date:

Signature of the Sponsoring
Authority with Office Seal

Chief Patron

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Chairman, MANSAS

Patron

Sri. P.Ashok Gajapathi Raju
Vice- Chairman, MANSAS

President

Dr. K.V.L.Raju
Principal

Advisory Committee

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Correspondent, MANSAS.

Prof. D.J.J. Ramachandra Raju
Vice-Principal (Admn)

Dr. D.R. Prasada Raju
Dean (Faculty Development)

Dr. P. Ravindranadh
Dean (Strategic Planning)

Dr. Y.M.C. Sekhar
Vice-Principal (Academics)

Dr. R.Ramesh
Dean (R&D)

Technical Program Committee

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Dr. B. K. Panigrahi	IIT Delhi
Mr. K.Ramakrishna	IEEE Region 10 (Asia - Pacific) Director
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Dr.H.M. Suryawansi	VNIT Nagpur
Dr. M. J. B. Reddy	NIT Trichy
Dr. C. K. Panigrahi	KIIT University Bhubaneswar
Dr. D.K.Mohanta	MVGRCE VZM
Dr. S. G. Kadwane	YCCE Nagpur
Dr. R. Ramana Reddy	IEEE Student Branch Counselor, MVGRCE

Convener

Dr.D.K.Mohanta
Professor & Dean (Collaborative Research)
Head of the Department

Co-Conveners

Dr. R.Gowrisankara Rao
Professor, EEE Department
Dr. Sarat Kumar Sahu
Professor, EEE Department

Coordinator

Mr. M.Venu Madhav
Assoc. Professor, EEE Department

Co-Coordinator

Mr. P.Sai Srinivas
Sr. Asst. Professor, EEE Department

Organizing Committee:

Mr. K.S.Ravi Kumar, Assoc. Prof. EEE
Mr. I.Kranthi Kiran, Assoc. Prof. EEE
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Mr. P.A.Mohana Rao, Asst.Prof. EEE
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Mr. P.Pavan Kumar, Asst. Prof. EEE
Mr. Ch. Satyanarayana, Asst. Prof. EEE
Mr. B.Jagannath Ch. Yadav, Asst. Prof. EEE
Mr. T.Sudhakar, Asst. Prof. EEE
Mr. N.S.S.S.Chandra, Asst. Prof. EEE
Mr. K. Sri Ram, Asst. Prof. EEE
Ms. J.Sri Sandhya, Asst. Prof. EEE

A Faculty Development Programme
on

Real-time Applications of Micro-controllers & DSP

June 15th – 19th, 2015



Technically Sponsored by IEEE Vizag Bay Sub-Section



*Organized
by*

**Department of Electrical & Electronics Engg.
MVGR College of Engineering
(Autonomous)**

(Listed Under 2(f), 12(b) Act of UGC)

(Permanently Affiliated to JNTU, Kakinada, and Approved by AICTE & NBA, New Delhi, Accredited with "A" grade by NAAC)

**Chintalavalasa, Vizianagaram
Andhra Pradesh, India**

College website: www.mvgrce.edu.in

A FACULTY DEVELOPMENT PROGRAM
on
REAL-TIME APPLICATIONS OF MICRO-CONTROLLERS & DSP
(RTAMD-15)
Technically Co-sponsored by IEEE Vizag Bay Sub Section
Organized by
Dept. of Electrical and Electronics Engineering
MVGR College of Engineering(Autonomous), Vizianagaram, INDIA
(15th – 19th June 2015)

A Faculty Development Program (FDP) on applications of Micro-Controllers & DSP was organized successfully during 15th-19th June, 2015 by the EEE department of MVGR College of Engineering, Vizianagaram and was technically co-sponsored by IEEE Vizag Bay Subsection. Dr. K. V. L. Raju, Principal and Prof. D. J. J. Ramachandra Raju, Vice-Principal (Administration) of MVGR College of Engineering have been very keen to offer hands-on skills to faculty members in the domain of cutting-edge technologies to train students effectively to bridge gap between academia and industry. Since Microcontroller and Digital Signal Processors have found niche as important constituents in the fast growing digital world, the FDP was well-attended by 43 participants from different institutions. Dr. Lakshminarayana, Chairman as well as Mr. T. S. N. Murthy, Secretary & Treasurer, IEEE Vizag Bay Subsection have conferred technical co-sponsorship on behalf of IEEE to foster the growth of skill and knowledge in electrical and electronics engineering amongst the technical communities.

The inaugural chief guest was Dr. Sivaji Chakravorti, Professor, Jadavpur University, Kolkata and Chairman-Elect of IEEE India Council. He emphasised the importance of such FDP's to assist life-long learning skills. He delivered a very conceptual keynote address on 'Estimation of instantaneous frequency of a signal' which kept the audience captivated by his cogent and lucid presentation from the perspective of applications in Microcontrollers and Digital Signal Processors.

Dr K V L Raju, Principal deliberated on importance of microcontrollers and DSP processors in day to day life keeping in view their rapid growth in development and research applications.





Dr S G Kadwane, Professor, YCCE-Nagpur was the guest of honour as well as one of the resource persons for the workshop He had shared his views on careful listening, interaction, application of thought and hands on skills for becoming competent professional.

Dr D K Mohanta, Convener and one of the resource persons of the program presented the overview as well as vision of the program to inculcate hands on skills to faculty members so as to deliver effectively to the students.



Dr R. Ramana Reddy, Branch counsellor, IEEE students' branch, MVGR College of Engineering, briefed about activities organized by IEEE students' branch in the college. He thanked IEEE Vizag Bay Sub section for technical sponsorship of this program.

Day 1:

First session was conducted by Prof Kadwane. He started with Overview on AVR Family of Microcontrollers.

During second session, hands on session were on fabricating of programmer for Microcontrollers using discrete components.



Day 2:

During first session Prof D K Mohanta delivered a lecture on fundamentals of DSP for real-time digital signal processing. He also gave an exposition regarding applications of DSP controllers.

During the second session, Prof S G Kadwane deliberated on 'Beginner's Introductory for Programming for AVR using Embedded 'C'. The practical session was regarding dumping of the program and their successful execution.



Day 3:

During the first session, Prof. D K Mohanta delivered a lecture on ‘Introduction to DSP Processors’ and on TMS320F28335 for Control and Power Electronic based applications.

During the second session, Prof S G Kadwane explained about interfacing of LCD & ADC as well as general purpose input-output and then he conducted hands-on session .



Day 4:

During first session, Prof S G Kadwane explained about PWM, hardware Interfacing & different applications.

During the second session, Dr. M.J.B. Reddy, NIT Trichy elaborated on architecture of TMS Processors. He also explained various types of DSP processors and their applications.

During last session, hands-on session practice was imparted regarding generation of PWM and hardware interfacing.



Day 5:

During the first session, Prof S. G. Kadwane explained about advanced application of multi-level inverter in anexhaustive manner and it was followed by a hands-on session.

The workshop concluded with a valedictory function and chief guest for the occasion was Dr. A Raghava Rao, Correspondent, MANSAS Trust. Prof. D.J.J. Ramachandra Raju, Vice-principal (Administration) as well as Professor of the department expressed about the reflection of learning from FDP through continued application of skills in different pragmatic ways. Participants have highlighted feedback that the workshop was really very useful to acquire practical knowledge about Micro controllers and DSP and urged to organize another advanced level follow up program within couple of months. Certificates of participation to delegates were awarded by the chief guest as well by Prof. Ramachandra Raju.



The co-convenors, Dr. R. Gowrisankar Rao and Dr. Sarat Kumar Sahu have extended their full cooperation for effectively conducting the event. The co-ordinator, Mr. M. Venu Madhav had meticulously planned and executed all the sessions assisted by Mr. P. Sai Srinivas. All the faculty members of the of EEE Department have whole-heartedly extended their cooperation with motivation to utilize the acquired practical skills. The management of the institute, especially the Principal and Vice-Principal (Admn.) have been very generous to extend all needed support out of genuine spirit of being faculty members in spite of busy schedules.

About FDP/ event/ activity

b. Resource persons

Dr D K Mohanta, Professor, BIT Mesra, Ranchi

Dr M Jayabharatha Reddy, Associate professor, NIT Trichy

Dr S G Kadwane, Professor, Nagpur University

c. Program schedule

Program Schedule

Day	Time	Event
Monday 15-06-2015	9:30- 10:45	Inaugural session
	10:45-11:00	Tea Break
	11:00-01:00	Key note address by Dr. Shivaji Chakravorti, Professor, Jadavpur University, Kolkata & IEEE India Council Chair Elect
	01:00-02:00	Lunch Break
	02:00-03:00	“Overview on AVR Family of Microcontrollers” by Dr. S.G. Kadwane
	03:00-03:15	Tea Break
	03:15-04:30	Practice Session
Tuesday 16-06-2015	9:30- 11:00	“Fundamentals of DSP for Real Time Processing” by Dr. D.K. Mohanta
	11:00-11:15	Tea Break
	11:15-01:00	“Beginner’s Introductory for Programming AVR; Embedded ‘C’ Programming” by Dr. S.G. Kadwane
	01:00-02:00	Lunch Break
	02:00-04:30	Practice Session
Wednesday 17-06-2015	9:30- 11:00	“Introduction to DSP Processors, TMS320F28335 for Control and Power Electronic Based Application” by Dr. D.K. Mohanta
	11:00-11:15	Tea Break
	11:15-01:00	“LCD & ADC Interfacing and General purpose input-output” by Dr. S.G. Kadwane
	01:00-02:00	Lunch Break
	02:00-04:30	Practice Session
Thursday 18-06-2015	9:30- 11:00	“PWM Generation, Hardware Interfacing & Applications” by Dr. S.G. Kadwane
	11:00-11:15	Tea Break
	11:15-01:00	“Architecture of TMS Processors” by Dr. M.J.B. Reddy

	01:00-02:00	Lunch Break
	02:00-04:30	Practice Session
Friday 19-06-2015	9:30- 10:30	“Advanced Application: Multi Level Inverter” by Dr. S.G. Kadwane
	10:30-10:45	Tea Break
	10:45-01:00	Practice Session
	02:00-03:00	Valedictory Function

d. List of participants

21. Mr Krishnam Naidu, Assistant Professor, NSRIT, A.P.
22. Sowjanya, Mtech, PS, MVGR College of Engineering, Vizianagaram
23. M Pradeep Chandra Varma, Mtech, PS, MVGR College of Engineering, Vizianagaram
24. Sateesh, Mtech, PS, MVGR College of Engineering, Vizianagaram
25. P S Vasavi, Mtech, PS, MVGR College of Engineering, Vizianagaram
26. Muddada Venkatesh, Mtech, PS, MVGR College of Engineering, Vizianagaram
27. Bonula Sowjanya Kalyani, Mtech, PS, MVGR College of Engineering, Vizianagaram
28. Tippaanu Venkata Divya Jyothi, Mtech, PS, MVGR College of Engineering, Vizianagaram
29. Y Jaswanth, Mtech, PS, MVGR College of Engineering, Vizianagaram
- 30.

e. Photographs





Two Day National Workshop on Soft Computing Techniques(SCT-2K16)

Theme of the Workshop:

Soft computing aims at imitating the human mind's ability to effectively utilize approximate rather than exact modes of reasoning to enhance machine intelligence. Soft Computing techniques incorporate imprecision, uncertainty and partial truths unlike traditional computing techniques aiming at precision, certainty and rigour. Soft Computing Techniques such as evolutionary programming, genetic algorithm, fuzzy logic, neural network etc, have been extensively used for engineering and other highly complex dynamic systems. This workshop aims to provide a forum for exposition of state –of- the art for different applications.

Objective of the Workshop:

The objective of the workshop is to acquaint the participants with soft computational techniques for different applications. This workshop has been organised by EEE Department in association with the Indian Society for Technical Education student chapter to bring together reputed national level experts to exchange knowledge in this field for different applications, evolutionary programming techniques. The workshop will benefit for students, faculty and researchers.

Resource Persons:

Dr.B.K.Panigrahi	IIT Delhi	Dr.Swagatam Das	ISI Kolkata
Dr.D.K.Mohanta	MVGRCE, Vizianagaram	Dr.M.J.B. Reddy	NIT Trichy

Conveners

Dr. D.K.Mohanta	Professor & Head of EEE
Mr. I. Kranthi Kiran	Advisor, ISTE Student Chapter

Coordinators

Dr.R. Gowri Sankara Rao	Professor	Dr. Sarat Kumar Sahu	Professor
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Mr.M.Venu Madhav Asso. Professor

Mr.K.S.Ravi Kumar Assoc. Professor

Student Coordinators:

Mr. B.Charan Kumar Mr. G.Bhagya Pavan Mr. G.Navaneeth

Date & Venue :

14th & 15th March, 2016 at Department of EEE

Registration Fee :

Student Participant Rs. 250 Faculty Participant Rs. 500

PROGRAMME SCHEDULE

Date	Sessions	Time	Activity	Resource Person
14th March, 2016	Inaugural Session	10.30a.m– 11.30a.m	Inauguration	Dr. Sri Ram Srinivas, Associate Professor, IIT Chennai as a chief guest
	Keynote Lecture	11.45a.m- 1.00p.m	Keynote Lecture	
	Session – I	2.00p.m –3.45 p.m	Soft Computing Techniques for Electrical Engineering Applications	Dr. Sri Ram Srinivas, Associate Professor, IIT Chennai
	Session – II	4.00 p.m- 6.00 pm	Research Methodology using Soft Computing Techniques	Dr. Swagatam Das, Indian Statistical Institute Kolkata,
15th March 2016	Session – III	9.30a.m– 11.30a.m	Evolutionary Competition and machine learning	Dr. Swagatam Das, Indian Statistical Institute, Kolkata,
	Session – IV	11.45a.m- 1.30p.m		

	Lunch	1.30 p.m – 2.30 p.m
	Veldictory function	2.30 p.m to 3.30 p.m



14th March, 2016: The inaugural session and keynote address was given by ,Dr. Sri Ram Srinivas, Associate Professor, IIT Chennai as a chief guest.



సాఫ్ట్ కంప్యూటింగ్ తో బహుళ ప్రయోజనాలు



మాట్లాడుతున్న అసిస్టెంట్ ప్రొఫెసర్ శ్రీరాం శ్రీనివాస్

ఎంపీజీఆర్ క్యాంపస్ (డెంకాడ): పవర్ ఎలక్ట్రానిక్స్, మైక్రో-గ్రీడ్ రంగాల్లో ఉత్పన్నమయ్యే పలు సమస్యలను సాఫ్ట్ కంప్యూటింగ్ పద్ధతుల ద్వారా సులువుగా పరిష్కరించవచ్చని మద్రాస్ ఐఐటీ ఎలక్ట్రికల్ ఇంజనీరింగ్ అసిస్టెంట్ ప్రొఫెసర్ శ్రీరాం శ్రీనివాస్ అన్నారు. మంగళవారం ఎంపీజీఆర్ ఇంజనీరింగ్ కళాశాలలో ఎలక్ట్రికల్ ఇంజనీరింగ్ విభాగం, కళాశాల ఐఎన్టీఈ విద్యార్థి సంఘం సంయుక్తంగా సాఫ్ట్ కంప్యూటింగ్ పద్ధతులపై జాతీయ సదస్సు నిర్వహించారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ విద్యుత్ అవసరాలు, వినియోగంపై సాఫ్ట్ కంప్యూటింగ్ ద్వారా తెలుసుకోవచ్చన్నారు. విద్యుత్ సమస్యలను పరిష్కరించవచ్చని చెప్పారు. కోల్ కతా ఐఎన్ఐ ప్రొఫెసర్ దాస్ మాట్లాడుతూ వైద్యం, కంప్యూటర్, మెకానికల్, సివిల్, కమ్యూనికేషన్స్, ఎలక్ట్రికల్ వంటి రంగాల్లో కంప్యూటింగ్ ఉపయోగాలు, విధివిధానాలు వివరించారు. కళాశాల ప్రిన్సిపాల్ డాక్టర్ కేపీఎల్ రాజు మాట్లాడుతూ కంప్యూటింగ్ పద్ధతులను అనుసరించి వృత్తిపరమైన సమస్యలకు సమాధానం పొందవచ్చన్నారు. కార్యక్రమంలో ఎలక్ట్రికల్ విభాగాధిపతి డి.కె.మహాంతి, మాన్యన్ కరస్పాండెంట్ ఎ.రాఘవరావు, వైస్ ప్రిన్సిపాల్ డి.జె.రామచంద్ర రాజు, అధ్యాపకులు పాల్గొన్నారు.

కంప్యూటర్ పరిజ్ఞానం అవసరం
● విద్యార్థులు ఆ దిశగా కృషి చేయాలి
● మద్రాస్ ఐఐటీ అసిస్టెంట్ ప్రొఫెసర్ శ్రీరామ్ శ్రీనివాస్



మాట్లాడుతున్న శ్రీరామ్ శ్రీనివాస్

దొనెన్ను పేరు: విద్యార్థులు మాతున్న కాలానికి అనువూలం గా కంప్యూటర్ పరిజ్ఞానాన్ని పెంపొందించుకోవాలని మద్రాస్ ఐఐటీ అసిస్టెంట్ ప్రొఫెసర్ డాక్టర్ శ్రీరామ్ శ్రీనివాస్ సూచించారు. మంగళవారం డింకలవలసలోని ఎంపీజీఆర్ ఇంజనీరింగ్ కళాశాలలో ఎలక్ట్రికల్ ఇంజనీరింగ్, ఐఎన్టీఈ విద్యార్థి సంఘం సంయుక్తంగా సాఫ్ట్ కంప్యూటింగ్ పద్ధతులు అనే అంశపై జాతీయ సదస్సు నిర్వహించారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ ఎలక్ట్రికల్ ఇంజనీరింగ్ విద్యార్థులకు ఈ పద్ధతులు ఉపయోగపడుతూ ఉంటున్నాయి. వీటిని అవగతం చేసుకుంటే ఉజ్వల భవిష్యత్తు ఉంటుందన్నారు. కళాశాల ప్రిన్సిపాల్ డాక్టర్ కేపీఎల్ రాజు మాట్లాడుతూ ఈ సందర్భా ద్వారా విద్యార్థులు పరిజ్ఞానం పెంపొందించుకోవచ్చునన్నారు. ఈ కార్యక్రమంలో మాన్యన్ విద్యాసంస్థల కరస్పాండెంట్ డాక్టర్ ఎ.రాఘవరావు, కళాశాల ఎలక్ట్రికల్ ఇంజనీరింగ్ విభాగాధిపతి డాక్టర్ డి.కె.మహాంతి, విద్యార్థి సంఘం నాయకులు ఎం.బండ్రకత్త, వైస్ ప్రిన్సిపాల్ రామచంద్రరాజు, డాక్టర్ స్యాగత్ దాస్, విద్యార్థులు పాల్గొన్నారు.

About 40 participants have attended the workshop and got benefitted.

2016-17

MAHARAJ VIJAYARAM GAPATHI RAJ COLLEGE OF ENGINEERING(AUTONOMOUS)

Vijayaram Nagar Campus, Chintalavalasa, Vizianagaram-535005, Andhra Pradesh

Accredited by NAAC with 'A' Grade & Listed u/s 2(f) & 12(B) of UGC

(Approved by AICTE, New Delhi and Permanently Affiliated by JNTUK-Kakinada)

NBA Accredited UG Courses: B.Tech(MEC), B.Tech(CIV), B.Tech(EEE), B.Tech(ECE), B.Tech(CSE), B.Tech(IT),
B.Tech(MEC) & B.Tech(CHE) and PG Course: MBA

REPORT ON TWO DAY NATIONAL LEVEL SEMINAR ON REPAIR, RAHABILITATION AND RETROFITTING OF REINFORCED CONCRETE ELEMENTS CONDUCTED FROM 21-10-2016 TO 22-10-2016

ORGANIZING COMMITTEE

CHIEF PATRON	
Dr. P Ashok Gajapathi Raju	Chairman-MANSAS
PATRON	
Dr. KVL Raju	Principal, MVGR
ADVISORY BODY	
Dr. DRK Raju	Correspondent, MANSAS
Prof. DJJ Ramachandra Raju	Vice-Principal, Admin., MVGR
Dr. YMC Sekhar	Vice-Principal, Academics, MVGR
Dr. K Rajeswara Rao	Professor & Dean C&I, MVGR
Dr D Prasad Raju	Professor, Dean Faculty Development
Dr. K Suryanarayana	Professor, Civil, MVGR
CONVENOR	
Dr. S Chandramouli	Prof. & HOD, Civil Engg, MVGR
ORGANISING SECRETARY	
Dr. P Markandeya Raju	Professor, Civil Engg, MVGR
FACULTY COORDINATOR	
Sri K Santosh Kumar	Asst. Prof., Civil Engg, MVGR
ORGANIZING BODY	
Associate Professors	
Sri B Ramesh Raju	Dr. R Maheswaran
Dr. Partheepan Ganesan	
Assistant Professors	
Sri S Murali Sagar Varma	Sri V Vinay
Sri A Varaprasad	Sri Ch V Ravi Sankar
Sri Rajendra Prasad Singh	Sri P Sudheer
Sri BV Joga Rao	Sri B Ramu
Sri S Purushotham Rao	Sri TP Sreejani
Sri Kalyan AVS	Sri SS Bhanu Sai Kumar
Sri W Sai Deepak	Sri K Anil Pradeep
Sri T Jahnavi	Sri M Amulya
Sri M Niranjan Bhatlu	Sri K Venkateswara Rao
Smt D Praseeda	

FOR DETAILS/ CLARIFICATIONS, PLEASE CONTACT

Dr. P MARKANDEYA RAJU
ORGANISING SECRETARY
(91) 94405 28043

Mr. K SANTOSH KUMAR
FACULTY COORDINATOR
(91) 97034 17654

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Two Day National Level Seminar on **REPAIR, REHABILITATION AND RETROFITTING OF REINFORCED CONCRETE ELEMENTS** [21-22 October, 2016]



DEPARTMENT OF CIVIL ENGINEERING

**MAHARAJ VIJAYARAM GAJAPATHI RAJ
COLLEGE OF ENGINEERING (AUTONOMOUS)**

[Accredited by NBA of AICTE, Graded 'A' by NAAC of UGC, Approved by AICTE, Permanently affiliated to JNTU, Kakinada, Listed U/s 2(F) & 12(B) of the UGC Act, 1956]

Vijayaram Nagar Campus, Chintalavalasa
VIZIANAGARAM - 535005

Web - www.mvgrce.edu.in
Ph - (08922) 241199 Ext. 101

ABOUT MVGR

Maharaj Vijayaram Gajapathi Raj College of Engineering (Autonomous) was established in the year 1997 under the aegis of educational trust "MANSAS" (Maharaj Alak Narayana Society for Arts and Sciences) founded by Late Dr. PVG Raju, Raja Saheb of Vizianagaram. The college is located at Chintalavalasa, Vizianagaram, 45min drive from Visakhapatnam and 10min drive from Vizianagaram. The college offers 7 B.Tech and 7 P.G programmes (M.Tech and MBA) in Machine Design, Structural Engineering, VLSI, CSE, CNIS, Power Systems and Business Administration. The college is gifted with serene atmosphere amidst green plantation. The institute is putting untiring efforts to attain the objective of imparting quality technical education. The institute in addition to curricular programs constantly strives to update its faculty and students with emerging and most recent developments in various disciplines through industry-academy interactions by conducting International and National Conferences, Workshops, Seminars, Add-on Courses and Guest Lectures. The institution is in collaboration with PTC, Siemens, WIPRO, TCS, Oracle, NI lab View, IIRS, CISCO and other reputed national level organizations offering additional skill development program leading to certifications.



ABOUT THE DEPARTMENT

Department of Civil Engineering, established in the year 2009 offers UG (B.Tech) in Civil Engineering and PG (M.Tech) in Structural Engineering. The Department has state of the art infrastructure and well equipped laboratories. 28 well qualified strong team of faculty with a blend of industry, R&D and teaching experience with varied specializations offer teaching-learning services. Among which 6 are doctorates, 21 are Post Graduates and 5 faculty members are pursuing their Doctoral research. The department has a dedicated Computer Centre & Research Centre promoting active research. The department has certified competency for skill development leading to award of certification in remote sensing & STAAD Pro in collaboration with IIRS and Bentley. The faculty of the department have published more than 100 high quality research papers in Journals of International Repute. The department also offers consultancy services to various Government and Private organizations like GVMC, Vizianagaram Traffic Police, AP Road Safety Department, CPWD, Rural Water Supply, Visakhapatnam Urban Development Authority, SPCB Vizianagaram



ABOUT THE SEMINAR

An advanced course on "REPAIR, REHABILITATION AND RETROFITTING OF REINFORCED CONCRETE ELEMENTS" is being conducted by Department of Civil Engineering, MVGR College of Engineering (Autonomous), Vizianagaram from **21st - 22nd October 2016**.

Distress of RC elements due to various unavoidable factors is a serious challenge being faced by Structural Engineers today as it seriously affects the performance and safety of the structure as whole. Quite often, it is not easy to foresee the implication of environment and improper quality control during concrete construction that leads to distress and deterioration. Structural problems in deteriorated systems, aging, lack of durability, and undesirable structural responses are matters of continuous research. Investigations are being carried out globally to improve both strength and serviceability of the RC structures using appropriate techniques of repair, rehabilitation and retrofitting. Retrofitting of concrete structures to meet the more stringent limits on serviceability and ultimate strength as per current Codal requirements seems to be a more attractive alternative to demolishing and rebuilding. Repair of structures becomes inevitable and it is necessary to estimate the degree of damage before choosing an appropriate repair method. In today's construction scenario, availability of materials for repair rehabilitation and retrofitting of RC Structural elements has become a major challenge.

In view of these aspects, A Two Day National Level Seminar is being organised to discuss some of the issues in this area. This advanced course is intended to provide a better and well directed exposure to the current research and development, practices and emerging trends in areas of repair, rehabilitation & retrofitting of RC members.

This seminar throws light on the following areas

- Introduction to Repair, Rehabilitation and Retrofitting of RC Elements**
- Repair and Retrofit philosophy: materials and methodologies**
- Condition Assessment using NDT**
- Shear and Flexure Rehabilitation of RC beams**
- Rehabilitation of RC elements with fibre reinforced polymer materials**
- Case studies on Rehabilitation of RC Structural Elements**
- External prestressing for Retrofitting of RC Beams**

RESOURCE PERSONS

Dr. D RAMASESHU
Professor & HoD, Civil Engineering
National Institute of Technology
Warangal

Dr. DSR MURTY
Professor & Chairman BoS
Civil Engineering
College of Engineering, AU, VSP

Dr. V RAVINDRA
Professor, Civil Engineering
JNTUK College of Engineering,
Kakinada

Dr. AMIRTHAM RAJAGOPAL
Associate Professor
Civil Engineering
IIT Hyderabad

Dr. P MARKANDEYA RAJU
Professor, Civil Engineering
MVGR College of Engineering

Dr. PARTHEEPAN GANESAN
Associate Professor, Civil Engineering
MVGR College of Engineering

1. ABOUT ACTIVITY:

Distress of REC elements due to various unavoidable factors is a serious challenge being faced by the Structural Engineers today as it seriously affects the performance and safety of the structure as whole. Quite often, it is not easy to foresee the implication of environment and improper quality control during concrete construction that leads distress and deterioration. Structural problems in deteriorated systems, aging, lack of durability and undesirable structural responses are matters of continuous research. Investigations are being carried out globally to improve both strength and serviceability of the RC structures using appropriate techniques of repair, rehabilitation and retrofitting. Retrofitting of concrete structures to meet the more stringent limits on serviceability and ultimate strength as per the current Codal requirements seems to be a more attractive alternative to demolishing and rebuilding. Repair of structures becomes inevitable and it is necessary to estimate the degree of damage before choosing an appropriate repair method. In today's construction scenario, availability of materials for repair, rehabilitation and retrofitting of RC Structural elements has become a major challenge.

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2. RESOURCE PERSONS:

- a. Dr.G V Appa Rao, IIT Madras
- b. Dr.A Rajagopal , IIT Hyderabad
- c. Dr.Gunneswara Rao, NIT Warangal
- d. Dr.V Ravindra, Professor, JNTUK
- e. Dr.DSR Murthy, Professor, AU
- f. Dr.P.Markandeya Raju, Professor, MVGR College of Engineering
- g. Dr.PartheepanGaneshan, Assoc.Professor, MVGR college of Engineering
- h. M/s FOSROC/BASF/SIKA/Dr.FIXIT CHEMICALS

3. PROGRAM SCHEDULE

Day-1	
TIME	EVENT
8.30 -9.30	Registration
9.30-10.30	Inaugural function including high tea
10.30-12.30	Lecture 1
12.30-1.30	Lunch
1.30-3.30	Lecture 2
3.30-4.30	NDT Equipment and Construction Chemicals Demonstration
4.30-5.00	Tea
Day-2	
TIME	TOPICS TO BE COVERED
9.15-11.15	Lecture 3
11.15-11.30	Tea Break
11.30-1.00	Lecture 4
1.00-2.00	Lunch Break
2.00-3.30	Lecture 5

3.30-4.00	Evaluation
4.00-4.30	Valedictory Function
4.30-5.00	High Tea

DEPARTMENT OF CIVIL ENGINEERING
M V G R COLLEGE OF ENGINEERING (AUTONOMOUS)

TWO DAY NATIONAL SEMINAR ON "REPAIR, REHABILITATION AND RETROFITTING OF REINFORCED CONCRETE ELEMENTS" (RRRRCE16) on 21.10.2016

SCHEDULE OF THE PROGRAM

TIME/DURATION	EVENT
9:30AM To 10: 25AM	Inaugural Function
9:30 To 9:32	Inviting Guests on to the Dias
9:32 To 9:33	Lighting the Lamp by Dignitaries
9:33 To 9:35	Prayer Song
9:35 To 9:40	Address by the organizing secretary
9:40 To 9:45	Inaugural Address by Convener
9:45 To 09:50	Message by Correspondent
09:50 To 09:55	Message by Principal
09:55 To 09:57	Introduction to Guest of Honour
09:57 To 10:02	Message by the Guest of Honour
10:02 To 10:10	Introduction to Chief Guest
10:10 To 10:15	Message by Chief Guest
10:15 To 10:20	Mementos to the Guests by the Correspondent & Principal
10:20 To 10:25	Vote of Thanks
10:25 To 10:45	High Tea Break

DEPARTMENT OF CIVIL ENGINEERING
M V G R COLLEGE OF ENGINEERING (AUTONOMOUS)

TWO DAY NATIONAL SEMINAR ON "REPAIR, REHABILITATION AND RETROFITTING OF REINFORCED CONCRETE ELEMENTS" (RRRRCE16) on 21.10.2016 & 22.10.2016

VALEDICTORY SCHEDULE OF THE PROGRAM

TIME/DURATION	EVENT
2:00 PM To 3: 00PM	Valedictory Function
2:00 To 2:02	Inviting Dignitaries on to the Dias
2:02 To 2:10	Oral Feedback by Participants
2:10 to 2:20	Closing Remarks by Organizing Secretary, Dr.P.M.Raju
2:20 to 02:25	Message by Convener & HoD, Dr.S.Chandramouli
2:25 to 2:30	Message by Vice-Principal(Academics), Dr. Y.M.C.Sekhar
2:30 to 2:40	Message by Chief Guest, Dr.D.Ramseenu
2:40-2:55	Distribution of Certificates to Participants
2:55 to 3:00	Vote of Thanks by Mr.K.Santhosh Kumar, Faculty Coordinator

LIST OF PARTICIPANTS

DEPARTMENT OF CIVIL ENGINEERING
MVGR COLLEGE OF CIVIL ENGINEERING(A)
TWO Days National Seminar on Repair, Rehabilitation and Retrofitting
of Reinforced concrete (RRRRC-18) on 21st and 22nd October, 2016
Registration Form

Sl. No.	NAME OF THE PARTICIPAN	ORGANIZATION	Fee Paid
1	ABDUL RAHIM	SVS COLLEGE OF ENGINEERING	500
2	NALU BATELA	SVS COLLEGE OF ENGINEERING	500
3	ALLANI SWASA RAO	LIVABLE CEMENT CORPORATION	300
4	V SATYANARAYANA MURTHY	MUCE VISAKHAPATNAM	500
5	PULI SAI MANOJAR	MNR ASSOCIATES	500
6	NISHANTH	MNR ASSOCIATES	500
7	ANAY KUMAR	MNR ASSOCIATES	500
8	P KRISHNAN RAJU	MNR ASSOCIATES	500
9	MOOTA VENKATA RAMANA	SVP COLLEGE OF ENGINEERING	500
10	KOLLEPURA SANTHOSH	JKR ENGINEERING	500
11	GANTHA SANKH KUMAR	VITAM	300
12	B SANYASI NAIDU	VITAM	500
13	R V RAJENDRA PRASAD	MUCE VISAKHAPATNAM	500
14	R SRINIVASA RAO	APRHO	500
15	CH S. CHIR	SSET	300
16	K GANESH KUMAR	VIT	500
17	MHARUKA	REPAIRING	500
18	B BIRI DEVI	HYDAN ENG SOLUTIONS	500
19	P KAVYA	VIT	500
20	S RAVESH	VIT	500
21	M BARATHI CHANDRA	COASTAL INST	500
22	M PAVAN KUMAR	COASTAL INST	500
23	G SAI DWANAR	SMP ENG COLLEGE	500
24	K V VIJAYA KUMARA RAJU	VCIFL	500
25	MAGORIA SUSMITHA KUMARI	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
26	ANNIKANTH LENDI	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
27	RAGATHI SANKHRA MOULI	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
28	TAMAPANI SRIVANAN KUMAR	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
29	RAJITHA ROHITA	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
30	DUSI SARJANA SR	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
31	JALLU CHAKRANABHU	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
32	K JAGA DEEPAWANI	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
33	RADAKH GANESH	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
34	S V SA KUMAR	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
35	V H S ANSHA	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
36	VADIVANTHINA	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
37	E PRASANNA BABU	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
38	G PRATHYSHA	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
39	K SUNIL KUMAR	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
40	K SA KUMAR	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
41	K PRASANTH KUMAR	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
42	K KALYANA CHAKRAVARTHY	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
43	P MONICA	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
44	SARITHA KUMAR	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
45	SHIK SAMUEL	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
46	T SRI SHA	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
47	Y JOYALA KRISHNA	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
48	VINCELA	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
49	P VEENKATA SUREYA KUMARI	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
50	SAI SRINIVAS	MVGR COLLEGE OF ENGINEERING PG SCHOLAR	500
	Total		25000

Organizing Secretary

HOD

Department of Civil Engineering
MVGR College of Engineering (A)
Registration form for M.Tech Students of MVGR

Sl. No.	REGD. NO.	STUDENT NAME	Signature
1	14331D8701	BANKA VENKATA KRISHNA	Absent
2	14331D8702	C SRINIVAS SWAYAMVARAPU	Absent
3	14331D8703	IASITHI HARSITHA	Absent
4	14331D8704	KOLIPARA V G MANI KANTA SREE RAM	Absent
5	14331D8705	KUTCHERAPATI V JAYA KUMARRAJU	K. V. Jayaram
6	14331D8706	MAKARJA SUMITHA KUMARI	M. Sumitha
7	14331D8707	MANIKANTA LAJI	M. Manikanta
8	14331D8708	MATA PRAGNA	Absent
9	14331D8709	PRATHA PAR MALA	Absent
10	14331D8710	RAGATHI SANKARANMOJLI	R. Sankaranmojli
11	14331D8711	SALADI S. SASANA	Absent
12	14331D8712	TAMMENI SRAVAN KUMAR	T. S. Sravan
13	14331D8713	TUVBALI DIVYA MANASA	Absent
14	14331D8714	URTI PRADEEP	Absent
15	15331D8701	BATTI RAMESH KUMAR	Absent
16	15331D8702	BATTULA ROHIKA	Rohika
17	15331D8703	BODDADA V S YAMSNADI	Absent
18	15331D8704	DHAROGANA CHINYA BABU	Absent
19	15331D8705	DHSI SROJANASRI	D. Srojanasri
20	15331D8706	GANIVADA SOMARAJU	Absent
21	15331D8707	JALLU CHINNAMMAJU	J. Chinnamma
22	15331D8708	KALLA JAGADEESWARI	K. Jagadeeswari
23	15331D8709	KOLLI ASHINAY KUMAR	Absent
24	15331D8710	KAPARTHI GANESH	R. Ganesh 2/10/16
25	15331D8711	S VENKATA SAI KUMAR	Sai
26	15331D8712	SRIKAKOLAPU KAS V SWANATH	Absent
27	15331D8713	VOLATI NAGA SUGUNA ANISIA	Anisita
28	15331D8714	VOLLA VAYSI KRISHNA	V. Vaysi Krishna
29	16331D8701	ELLIPELLI RAJESRI AR	Absent
30	16331D8702	ENUCHAPPA A PRASANNA BABU	E. Prasanna Babu
31	16331D8703	GARBHAPU PRATYUSHA	G. Pratyusha
32	16331D8704	KANCHASAPPA JI SHINI KUMAR	K. Shini Kumar
33	16331D8705	KANEKE SAI KUMAR	V. Sai Kumar
34	16331D8706	KARJI PRASANTI KUMAR	K. Prasantika
35	16331D8707	K KALYAN CHAKRAVARTHY	K. Kalyan Chakravarthy
36	16331D8708	PERLA MONICA	P. Monica
37	16331D8709	SAMA ARUN KUMAR	A. Arun
38	16331D8710	SHAIK SAMPER	S. Samper
39	16331D8711	TIRUVALARAJU S. USHA	T. Usha
40	16331D8712	YADAVA GOPALA KRISHNA	Y. Gopala Krishna
41	16331D8713	VINEELA JALAGADHIGULA	V. Vineela
42	16331D8714	PERLA VENKATA SUREYA KUMARI	P. V. Sureya Kumari
43	15331A0117	SAI SRINIVAS	S. Srinivas

5. PHOTOGRAPHS



**A Report on
Six Day Faculty Development Program
On
Real-Time Applications Using LabVIEW (RTAL-2016)
28th November – 3rd December 2016
Organized by**

**Department of Electrical and Electronics Engineering
MVGR College of Engineering (Autonomous)
(Listed Under 2(f), 12(b) Act of UGC)
(Permanently Affiliated to JNTU, Kakinada, and Approved by AICTE & NBA, New Delhi, Accredited
with "A" grade by NAAC)
VIZIANAGARAM**

Introduction:

As the engineering education and computer technologies for industry merge, the opportunities for teaching and learning will also expand. In such context, a large number of academic courses that teach electrical engineering concepts have incorporated the graphical programming as educational tool for student use. The virtual instrumentation approach pioneered by LabVIEW may enhance the electrical engineering curricula.

As the graphical programming has grown in popularity, its usage in the educational field has become an important preoccupation for more and more universities all over the world. In electrical engineering, graphical programming environments like NI LabVIEW have now the potential to enhance the content of a large variety of courses, offering teachers, the opportunity to develop new educational tools in the form of “virtual instruments”.

LabVIEW (Laboratory Virtual Instrumentation Engineering Workbench) is an industry standard, fully featured graphical programming language, offered by National Instruments since 1986 and extensively used for developing test, control and measurement applications. Because LabVIEW dramatically simplifies and accelerates the design projects, the educators have incorporated LabVIEW in a large variety of courses, from introductory classes to graduate level studies. It can be used both in classrooms (or laboratories), for in class concept demonstrations and prototype implementation, and in homework, to compute, simulate and identify solutions to engineering problems. Note that, because the appearance and operation of the LabVIEW programs imitate physical instruments, such as oscilloscopes or multimeters, they are called virtual instruments or VIs.

Features:

The LabVIEW programming is extremely intuitive. Disposing of various objects, such as terminals, constants, structures, functions and subVIs (subvirtual instruments), LabVIEW allows users to define the behavior of their applications by dragging and dropping these objects onto a diagram, and connecting them through wires, as necessary. Each terminal in the block diagram has a correspondent on the front panel window (the graphical user interface of the virtual instrument), which acts either as a data input or a data output. Generally, this programming approach is very well received by students, many of them stating that the LabVIEW platform is highly accessible and efficient for learning.

LabVIEW comes with hundreds of ready to use example VIs. Moreover, it integrates configurable Express VIs that significantly reduce the development time and complexity associated with adding analysis and signal processing algorithms into user applications. Finally, instructors and students may save time and acquire new ideas by visiting the National Instruments' academic web site, where they can access labs, exercises and tutorials covering a large number of electrical engineering disciplines.

The Objectives :

- 1.Introductionto LabVIEW
- 2.Data Acquisition and control application using NI Tools
- 3.Applicationdevelopment using LabVIEW with realtime examples
- 4.Hands On practice with NIDAQ
- 5.Usage of relevant toolboxes in LabVIEW

Applications:

- Control Design and Simulation: combine algorithm development, analysis and visualization in LabVIEW with tools for system identification, control design, simulation and implementation;
- Industrial Monitoring and Control: deploy LabVIEW to networked programmable automation controllers (PACs) for creating reliable distributed monitoring and control systems, and connect to existing programmable logic controllers (PLCs) and enterprise systems;
- Image and Signal Processing: incorporate hundreds of image and signal processing functions into LabVIEW applications;
- Software Development and Deployment: develop and deploy professional, higherquality LabVIEW applications using a variety of software engineering tools;
- Report Generation and Data Storage: export acquired data to thirdparty software tools, such as Microsoft Office and industrystandard databases, and publish information to the Web.

Event Details:

Title: Realtime applications using LabVIEW

Duration: No of participants: 63

Budget: Rs 2, 00,000/-

Inaugural :

Monday(28-11-2016): A Faculty Development Program (FDP) on Lab VIEW applications in Electrical Engineering was organized successfully during 28th Nov – 3rd Dec 2016 by the EEE department of MVGR College of Engineering, Vizianagaram under the able mentorship of . Dr. K. V. L. Raju, Principal and Prof. D. J. Ramachandra Raju, Vice-Principal (Administration) of MVGR College of Engineering .The resource persons have been very keen to offer hands-on skills to faculty members in the domain of cutting-edge technologies to train students effectively to bridge gap between academia and industry.

Daywise report :

Monday(28-11-2016):The inaugural was followed by an introductory session on LabVIEW titled session “ Engineering solutions using Graphical Systems Design WHY? WHAT? HOW? by Mr Mani Maran,(NI National Instruments

The remaining sessions were handled ably by Mr Suresh Venkatesan ,VI solutins Pvt ltd , on structures,loops and concepts in LabVIEW

Tuesday(29-11-2016): The arrays,custers ,graphs and charts and FileI/O concepts in LabVIEWwere explained inthis day session by Mr Suresh Venkatesan ,VI solutins Pvt ltd

Wednesday(30-11-2016) This enthralling session was on Introduction to Signal Processors” by Dr. D.K. Mohanta,a renowned teacher ,which were well received by the audience.The afternoon session was taken up on “Introduction to Multisim” by V. Jagadeeshan and Rajasekhar

Thursday (31-11-2016): The continuation topic was on “Multisim - LabVIEW Co-simulation for the Power Electronics Applications” by V. Jagadeeshan and Rajasekhar. ably explained by both.

Friday (01-12-2016) ;The realtime applicaitons of LabVIEW were in full view in the session Automation of Electrical machines using CRIO platform by V. Jagadeeshan and Rajasekhar. followed by a session on “myRIO based PWM generation for the DCDC converter (BUCK/BOOST) by V. Jagadeeshan and Rajasekhar.

Saturday (02-12-2016)The realtime applications were followed up in the topic “ Power System & Power Quality Analysis using the Electrical Power Suite “by V. Jagadeeshan and Rajasekhar

Saturday(03-12-2016):The last day was on the topic Electrical Engineering Applications using LabVIEW by Dr. M.J.B.Reddy. which was really great and well received by the audience. followed by valedictory session.

The workshop was well attended .There were 63 participants from various colleges with in house faculty 24 members and 6 studetn members. The workshop was grand success as is proved by the enthusiastic participants and their feedback.

A FACULTY DEVELOPMENT PROGRAM
on
'REAL-TIME APPLICATIONS USING
LABVIEW'
(RTAL-2K16)

28th November – 3rd December, 2016

REGISTRATION FORM

Participant's Name :
Designation :
Department :
Organization :
Address :
Phone no :
Email ID :

Registration details :

DDNo. : Date:
Amount in Rs.: Bank :

Signature of the participant

Sponsorship certificate

Certified that Mr./Ms./Mrs. _____ is a student/faculty/employee of our institution /industry and is hereby sponsored to attend Faculty Development Program on "Real-time applications using LabVIEW" at MVGR College of Engineering, Vizianagaram from 28th November to 3rd December 2016.

Place :
Date : Signature of sponsoring Authority with seal

Patron

Sri P. Ashok Gajapathi Raju
Chairman, MANSAS

President

Dr. K.V.L. Raju
Principal, MVGR College of Engineering

Advisory Board

Dr. D. R. K. Raju
Correspondent, MANSAS
Prof. D.J.J.R. Raju
Vice-Principal (Administration)
Dr. Y.M.C. Sekhar
Vice-Principal (Academics)
Dr. D. R. PrasadaRaju
Dean (Faculty Development)
Dr. P. Ravindranath
Dean (Strategic Planning)
Dr. M. Sunil Prakash
Dean (Training & Placements)
Dr. K. Rajeswara Rao
Dean (Civil Infrastructure)
Dr. R. Ramesh
Dean (Research & Development)
Dr. S. Srinivasa Rao
Dean (Student Affairs)
Dr. T.V.N. Partha Sarathi
Dean (Examinations)

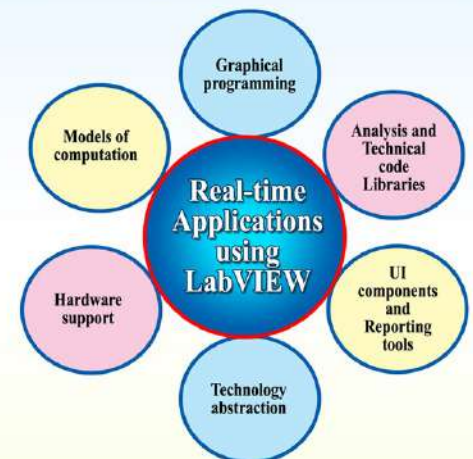
Organizing Committee

Mr. K. PrasadaRao, Assistant Professor
Mr. K.V.V.Prasad, Assistant Professor
Mr. P.A.MohanaRao, Assistant Professor
Mr. Ch.BhavaniSankar, Assistant Professor
Mr. P.Pavan Kumar, Assistant Professor
Mr. Ch.Satyanarayana, Assistant Professor
Mr. B.Jagannadh Ch. Yadav, Assistant Professor
Mr. T.Sudhakar, Assistant Professor
Mr. K.Sri Ram, Assistant Professor
Mrs. K.KrishnaKumari, Assistant Professor
Mr. P.Gurumurthy Reddy, Assistant Professor
Mr. S.M.K.Patnaik, Assistant Professor
Mr. G. Shankarmani, Assistant Professor
Mr. D.Ravi Kumar, Assistant Professor
Mr. D.Rajesh, Assistant Professor



A FACULTY DEVELOPMENT PROGRAM
on
'REAL-TIME APPLICATIONS USING LABVIEW'
(RTAL-2K16)

28th November – 3rd December, 2016



Dept. of Electrical & Electronics Engineering
MVGR College of Engineering (Autonomous)
(Approved by AICTE, New Delhi, Accredited by NBA of AICTE, Graded 'A' by NAAC of UGC and Permanently Affiliated to JNTUK)
Chinthalavalasa, Vizianagaram - 535005
Andhra Pradesh

Visit us at: www.mvgrce.edu.in
Mail us to: rtal2k16.mvgr@gmail.com

About College

Maharaj Vijayaram Gajapathi Raj College of Engineering was established in the year 1997 under the aegis of "MANSAS" educational trust, founded by the Raja Saheb of Vizianagaram, Dr. PVG Raju in 1958. The college is located at Vijayaram Nagar campus, Chintalavalasa, Vizianagaram, Andhra Pradesh. The college offers 7 B.Tech. programmes namely EEE, ECE, Mechanical, Civil, CSE, Chemical Engineering and IT & P.G. programmes in Power Systems, Machine Design, VLSI, CSE, Structural Engineering, CNIS and Business Administration. It is accredited with "A" grade by NAAC of UGC. Also UGC has conferred Autonomous status to the college. The college gifted with serene atmosphere amidst green plantation is making its untiring efforts to attain its objective of imparting qualitative technical education. In addition to curricular programs, the institute constantly strives to update its faculty and students by conducting Workshops, Conferences, Seminars and Guest lectures in the emerging fields.

About Department

The Department has state-of-art infrastructure that caters to the outcome based teaching-learning. It has a strong team of qualified & experienced faculty members with a right blend of industry, institution and R&D exposure that supports teaching-learning requirements. In addition to curricular exposure, department strives to keep students aware of the pragmatic needs of the industry for the improvement of employability and professional development. Keeping this in view department has signed MOU with SIEMENS India Pvt. Ltd. to bridge the gap between industry and academia for imparting training to students in the areas of AC/DC Drives, PLC-Automation etc. and it has been equipped with MATLAB, LabVIEW, PSCAD etc.

Theme of the program

LabVIEW (Laboratory Virtual Instrument Engineering Workbench) from NI (National Instruments), a development environment designed specifically to accelerate the productivity of engineers and scientists, is commonly used for data acquisition, instrument control, and industrial automation on a variety of platforms. With a graphical programming syntax that makes it simple to visualize, create, and code engineering systems, LabVIEW is unmatched in helping engineers translate their ideas into reality, reduce test times, and deliver business insights based on collected data. From building smart machines to ensuring the quality of connected devices, LabVIEW has been the preferred solution to create, deploy, and test the Internet of Things for decades. This workshop aims to provide a forum for exposition of state-of-the-art for different applications in electrical discipline.

Objective of the program

This program acquaints the participants with LabVIEW in electrical engineering applications. It is aimed to bring together reputed national level experts to exchange knowledge in LabVIEW for diverse electrical applications. The workshop will be beneficial for academicians, practicing engineers and researchers.

This course provides an insight into:

- Introduction to LabVIEW Programming
- Usage of NI tools in data acquisition and control applications
- Application development using LabVIEW with real time examples
- Hands-on practice with National Instrument (NI) DAQ
- Usage of relevant toolboxes in LabVIEW

Resource Persons

1. Dr. D.K. Mohanta, BITS, MESRA
2. A Manimaran, Senior Applications Engineer, VI Solutions, Bangalore.
3. Suresh Venkatesan, Senior Applications Engineer, VI Solutions, Bangalore.
4. Mr. Rajasekar, Sr. Application Engineer, Innovative Invaders Technologies
5. Mr. Visweswaran Jagadeesan, Sr. Application Engineer

Convener

Dr. Sarat Kumar Sahu, Professor and Head

Co-Conveners

Dr. R. Gowrisankara Rao, Professor
Mr. K.S. Ravi Kumar, Associate Professor
Mr. I. Kranthi Kiran, Associate Professor
Mr. M. Venu Madhav, Associate Professor

Coordinator

Mr. P Sai Srinivas
Senior Assistant Professor
Mobile: +91 9440274834
Phone: +91 8922 241167(O)
E-mail: patnanasai@gmail.com
College website: www.mvgrce.edu.in

Venue

Department of EEE, MVGR College of Engg.

Registration fee

Faculty participant	Rs. 1000/-
Industry participant	Rs. 2000/-
Student participant	Rs. 500/-

Registration fee is payable through Demand draft drawn in favour of Principal, MVGR College of Engineering, Vizianagaram, on or before 22nd November, 2016. The registration form can be downloaded from the college web site. The filled-in form can be sent to
Mail-ID: rtal2k16.mvgr@gmail.com

A Six-Day Faculty Development Program
On
Real-Time Applications Using LabVIEW (RTAL-2016)
28th Nov – 3rd Dec 2016

Organized by
Department of Electrical and Electronics Engineering
MVGR College of Engineering (Autonomous)

(Listed Under 2(f), 12(b) Act of UGC)
(Permanently Affiliated to JNTU, Kakinada, and Approved by AICTE & NBA, New Delhi, Accredited with "A" grade by NAAC)

VIZIANAGARAM

Program Schedule

Day	Time	Event
Monday 28-11-2016	9:30- 10:45	Inaugural Function
	10:45-11:00	Tea Break
	11:00-01:00	Engineering solutions using Graphical Systems Design WHY? WHAT? HOW? By Manimaran
	01:00-02:00	Lunch Break
	02:00-03:00	Graphical Systems Design Using NI's LabVIEW & Hands on LabVIEW Programming concepts – Structures by Mani Maran and Suresh Venkatesan
	03:00-03:15	Tea Break
	03:15-04:15	Hands on LabVIEW Programming concepts – Loops by Mani Maran and Suresh Venkatesan
Tuesday 29-11-2016	9:30- 11:00	Hands on LabVIEW Programming concepts - Arrays by Mani Maran and Suresh Venkatesan
	11:00-11:15	Tea Break
	11:15-01:00	Hands on LabVIEW Programming concepts – Clusters by Mani Maran and Suresh Venkatesan
	01:00-02:00	Lunch Break
	02:00-03:00	Hands on LabVIEW Programming concepts - Graphs & Charts by Mani Maran and Suresh Venkatesan
	03:00-03:15	Tea Break
	03:15-04:15	Hands on LabVIEW Programming concepts - FILE IO by Mani Maran and Suresh Venkatesan
Wednesday 30-11-2016	9:30- 11:00	“Introduction to Signal Processors” by Dr. D.K. Mohanta
	11:00-11:15	Tea Break
	11:15-01:00	Overview on Importance of LabVIEW in Electrical Engineering Applications by Dr. D.K. Mohanta
	01:00-02:00	Lunch Break
	02:00-03:00	Practice Session
	03:00-03:15	Tea Break
	03:15-04:15	Practice Session
Thursday 01-12-2016	9:30- 11:00	“Introduction to Multisim” by V. Jagadeeshan and Rajasekhar
	11:00-11:15	Tea Break
	11:15-01:00	“Multisim - LabVIEW Co-simulation for the Power Electronics Applications” by V. Jagadeeshan and Rajasekhar
	01:00-02:00	Lunch Break
	02:00-03:00	Automation of Electrical machines using cRIO platform by V. Jagadeeshan and Rajasekhar
	03:00-03:15	Tea Break
	03:15-04:15	Automation of Electrical machines using cRIO platform by V. Jagadeeshan and Rajasekhar
Friday 02-12-2016	9:30- 11:00	“myRIO based PWM generation for the inverter ” by V. Jagadeeshan and Rajasekhar
	11:00-11:15	Tea Break
	11:15-01:00	myRIO based PWM generation for the DC-DC converter (BUCK/BOOST) by V. Jagadeeshan and Rajasekhar
	01:00-02:00	Lunch Break
	02:00-03:00	Power System & Power Quality Analysis using the Electrical Power Suite by V. Jagadeeshan and Rajasekhar
	03:00-03:15	Tea Break
	03:15-04:15	Power System & Power Quality Analysis using the Electrical Power Suite by V. Jagadeeshan and Rajasekhar
Saturday 03-12-2016	9:30- 11:00	Electrical Engineering Applications using LabVIEW by Dr. M.J.B.Reddy
	11:00-11:15	Tea Break
	11:15-01:00	Electrical Engineering Applications using LabVIEW by Dr. M.J.B.Reddy
	01:00-02:00	Lunch
	02:00-03:00	Valedictory Function









AY 2016-17

Two Day National Workshop on Emerging Trends in Automotive Technologies

August 1st & 2nd 2016

**Organized by: DEPARTMENT OF MECHANICAL ENGINEERING
MVGR COLLEGE OF ENGINEERING (AUTONOMOUS)**

Objective of the Workshop:

Although internal combustion engines have been used for more than a century, significant improvements in engine combustion, thermal efficiency and emissions reduction are still possible. The objective of the workshop on “Emerging trends in Automotive Technologies” will discuss an overview of current trends in automotive fuel, combustion and emission reduction technologies. The program will also cover the basics and performance testing of the engine. This two-day workshop provides the platform for faculty to interact with experts from academic and industry in the area of automotive technology. It will also help the faculty to enhance their knowledge and to do research with modern tools and technologies.

Resource persons:

1. DrSimhachalamJuttu, Deputy General Manager, Powertrain Engineering, ARAI, Pune
2. Dr S. S. Thipse, Deputy Director, Powertrain Engineering, ARAI, Pune
3. MrYogeshKalia, Director of Medhaavi Center for Automotive Research, Punjab

Topics covered:

Engine basics, Performance Testing and combustion analysis
Pollution Reduction Techniques - EGR/Turbocharging/CRDI
Advanced Fuel Efficiency and Combustion Technologies- HCCI, PCCI, GDI, OPOC
Alternate Fuel Technologies - Future Emission Regulations and Road Map for India
Engine Management, Controls, Measurement and Calibration

ORGANIZING COMMITTEE

CHIEF PATRON

Sri P Ashok Gajapathi Raju, Chairman, MANSAS
(Union Minister for Civil Aviation)

PATRON

Dr K V L Raju, Principal

ADVISORY COMMITTEE

Dr D R K Raju	Correspondent
Dr D J J Ramachandra Raju	Vice Principal (Admin)
Dr Y M C Sekhar	Vice Principal (Academic)
Dr D R Prasada Raju	Dean (F&D)
Dr R Ramesh	Dean (R&D)
Dr P Ravindranath	Dean (Strategic Planning)
Sri P Ranga Raju	Asst. Principal (Admin)

CONVENER

Dr S Adinarayana Professor & HOD

COORDINATOR

Dr N Ravi Kumar Professor

MEMBERS

Associate Professors

Dr L V V Gopala Rao
Dr I Sudhakar
Sri Praveen Kalla
Sri M K Naidu
Sri B A Ranganath
Dr S Srinivasa Rao
Sri M Anil Prakash

Assistant Professors

Sri Umamaheswara Raju R S	Sri Mohammed Yousuf Ali
Sri K Ajay	Sri P Sreenu
Sri S Sanyasi Naidu	Sri G Pramod Kumar
Sri Varun Chebrolu	Sri S Joshua Kumar
Sri B MadhavaVarma	Sri N Jagadeesh
Sri G Satynarayana	Sri N Abhishek
Sri G Rajesh	Sri D Sriharsha
Mrs S Jyothirmai	Sri K T JogeswaraRao Naidu
Sri M Y Prasada Rao	Sri K Ravi Kumar
Sri G Veeraiah	Sri D Santhosh Kumar
Sri K Pavan Kumar	
Sri B Srinivas	
Sri N Murali Krishna	

TOPICS TO BE COVERED

- Engine Basics, Performance Testing and Combustion Analysis.
- Pollution Reduction Techniques - EGR/Turbocharging/CRDI.
- Advanced Fuel Efficiency and Combustion Technologies: HCCI, PCCI, GDI, OPOC.
- Alternate Fuel Technologies - Future Emission Regulations and Road Map for India.
- Engine Management, Controls, Measurement and Calibration.

REGISTRATION FEE

Faculty and Industrial Participants: Rs. 1000/-
Ph.D./M.Tech Students from Engineering Colleges and Universities: Rs. 500/-
(Fee includes Course Kit, Lunch and Refreshments)

MAXIMUM NUMBER OF PARTICIPANTS

40 (First Come First Serve)

LAST DATE FOR RECEIPT OF APPLICATION

20th July 2016

FOR CORRESPONDENCE

Dr. S. Adinarayana

Professor & HOD

Email: mechhod@mvgcrce.edu.in

Phone: +91 - 9440584131, 08922-241038



Two-Day National Workshop on Emerging Trends in Automotive Technologies



1st & 2nd August 2016



Organized by
Department of Mechanical Engineering
MVGR COLLEGE OF ENGINEERING (Autonomous)
(Approved by AICTE, New Delhi,
Re Accredited by NBA, Re Graded 'A' by NAAC,
and Permanently Affiliated to JNTU - Kakinada,
Listed U/S 2(f) & 12(B) of the UGC Act 1956)
Vizianagaram - 535 005
Andhra Pradesh

ABOUT MANSAS

Maharaj Alak Narayan Society of Arts and Sciences (MANSAS), an educational trust with an altruistic approach, was established in 1958 in the name and in the hallowed memory of the father of Dr. P V G Raju. By establishing the trust, Dr P V G Raju brought education from preparatory to post graduation under a single umbrella sacrificing even his royal palace which is now glorified as the 'Citadel of Learning'. The trust, under the guidance of Sri. P Ashok Gajapathi Raju, Chairman, MANSAS and Union Minister for Civil Aviation is developing with great potential by offering graduate and post graduate programmes in diversified disciplines such as engineering, management, pharmacy etc. The mission of the trust is purely 'service to society' by providing quality education and striving for social upbringing.

INSTITUTIONS UNDER MANSAS

There are 12 Institutions under the trust offering education from KG to PG level education in Arts, Science, Engineering, Medicine and Management:

- M. R. High School
- M. R. Girls High School
- M. R. College of Education
- M. R. Model High School
- M. R. Women's college
- MVGR College of Engineering (A)
- Maharajah's Post Graduate College
- M.R.V.R.G.R. Law College
- MRVRR-II Memorial Jr. College
- M. R. College of Pharmacy
- M.R. English Medium School
- M.R. College

ABOUT THE INSTITUTION

Maharaj Vijayaram Gajapathi Raj College of Engineering is an autonomous institution established in the year 1997 under the aegis of the MANSAS Educational Trust. The college offers 7 U.G. and 7 P.G. Programs:

- All eligible UG Programs (CHEMICAL, CIVIL CSE, ECE, EEE, IT & MECHANICAL) were re-accredited by NBA.
- CSE, ECE, CHEMICAL and MECHANICAL departments are recognized as RESEARCH CENTERS by JNTU-K.
- The institution has 249 faculty with 55 Ph.D. Degree Holders.
- Above 50,000 volumes and Access to 8 international online journal packages like IEEE, SPRINGER, JGATE, ELSEVER.
- 1089 Systems & 200 MBPS Band width internet facility.
- The college campus spread in 60 acres with Total built up area of about 5 Lakh sq.ft.
- The institution established 83 Laboratories with an investment of about 10 crores.
- Research projects worth of Rs 2 crores are ongoing.
- WIPRO MISSION 10X technology learning center in the college.
- TCS Accredited, ALP & AIP collaborating institution.
- Identified as Business Incubator, by Ministry of MSME, New Delhi.
- Recognized as SDC by Government of Andhra Pradesh
- MoU with Andhra Cricket Association for building sports.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering has been in existence since the inception of the college i.e. 1997. The Department offers Undergraduate program in Mechanical Engineering with an intake of 180 and a Post Graduate program in Machine Design with an intake of 18.

HIGHLIGHTS

- 40 well qualified faculties with 10 Ph.D. holders
- 14 laboratories including research lab with state of art equipment.
- Recognized as Research Center by JNTU-K.
- Accomplished Research projects worth more than 65 Lakhs sponsored by DST, UGC and AICTE.
- PTC recognized 'Center of Excellence'.
- Tripartite agreements with AP state government and SIEMENS for skill development.
- MOUs with **Adriotec, Kriatec Services, Zues Numerix, PTC, Askar Microns, Dr.Reddy's and Talent Sprint.**
- Runs add on programs in Design and Manufacturing.
- Recognized Skill Development Center for Welding & Automotive Training by APSDC.
- Gold medals for academic excellence from JNTUK in 2001, 2013 & 2015.
- Active participation in competitions organized by professional bodies such as SAE, IE, ISTE, ISIE, ISNEE etc.

OBJECTIVE OF THE WORKSHOP

Although internal combustion engines have been used for more than a century, significant improvements in engine combustion, thermal efficiency and emissions reduction are still possible. The objective of the workshop on "Emerging trends in Automotive Technologies" will discuss an overview of current trends in automotive fuel, combustion and emission reduction technologies. The program will also cover the basics and performance testing of the engine. This two day workshop provides the platform for faculty to interact with experts from academic and industry in the area of automotive technology. It will also help the faculty to enhance their knowledge and to do research with modern tools and technologies.

RESOURCE PERSONS

1. Dr. S S Thipse, Deputy Director, Powertrain Engineering, ARAI, Pune.
2. Dr. Simhachalam Juttu, Deputy General Manager, Powertrain Engineering, ARAI, Pune.
3. Mr. Yogesh Kalia, Director of Medhaavi Center for Automotive Research, Punjab.

Two Day National Workshop on Emerging Trends in Automotive Technologies

REGISTRATION FORM

1. NAME OF THE APPLICANT (IN BLOCK LETTERS):

Mr./Ms.:

2. DESIGNATION:

3. ORGANIZATION:

.....

4. MAILING ADDRESS WITH PIN CODE:

.....

.....

.....

TELEPHONE:

MOBILE:

EMAIL:

5. DETAILS OF REGISTRATION FEE:.....

.....

.....

.....

Date:

Signature of Applicant

NOTE: Please send the registration form along with DD (in favour of Principal, MVGR college of Engineering, Payable at Vizianagaram) on or before 20th July, 2016.

Scanned copy may be sent to the following e-mail: mechhod@mvgrce.edu.in



DEPARTMENT OF MECHANICAL ENGINEERING
MVGR COLLEGE OF ENGINEERING (A): VIZIANAGARAM
Two Day National Workshop on Emerging Trends in Automotive Technologies
August 1st and 2nd 2016

Date	Time	Lecture No.	Guest / Speaker	Topic Name
Day 1 (01-08-2016)	9:00 - 9:30	Reporting and Registration		
	9:30 - 10:00	Workshop Inauguration		
	10:00 - 11:30	01	Dr S. S. Thipse	Alternate Fuel Technologies - Future Emission Regulations and Road Map for India
	11:30 - 11:45	Tea Break		
	11:45 - 13:15	02	Dr S. S. Thipse	On Board Diagnostics (OBD)
	13:15 - 14:00	Lunch Break		
	14:00 - 15:30	03	Dr Simhachalam Juttu	Engine basics, Performance Testing combustion analysis and Bharat Stage Regulations (Emissions and OBD)
	15:30 - 15:45	Tea Break		
	15:45 - 17:00	04	Dr Simhachalam Juttu	Pollution Reduction Techniques - EGR/Turbocharging/CRDI/ After-treatment system, etc.
Day 2 (02-08-2016)	9:30 - 11:30	05	Mr Yogesh Kalia	Engine Management, Controls, Measurement and Calibration
	11:30 - 11:45	Tea Break		
	11:45 - 13:15	06	Dr Simhachalam Juttu	Advanced Fuel Efficiency and Combustion Technologies – Fuel efficiency technologies, Combustion photography, HCCI, PCCI, GDI, OPOC, water injection, etc.
	13:15 - 14:00	Lunch Break		
	14:00 - 15:30	07	Dr Simhachalam Juttu	Advanced Fuel Efficiency and Combustion Technologies – Fuel efficiency technologies, Combustion photography, HCCI, PCCI, GDI, OPOC, water injection, etc.
	15:30 - 15:45	Tea Break		
	15:45 - 16:45	Valedictory Function and Certificate Distribution		

BITAR COLLEGE OF ENGINEERING (AUTONOMOUS)

Department faculty participants list:

S.No	Name	Designation
1.	Dr S Adinarayana	Professor
2.	Dr N Ravi Kumar	Professor
3.	Sri P Ranga Raju	Associate Professor
4.	Dr L V Venu Gopala Rao	Associate Professor
5.	Dr I Sudhakar	Associate Professor
6.	Sri K Praveen	Associate Professor
7.	Sri M K Naidu	Associate Professor
8.	Sri B A Ranganath	Associate Professor
9.	Dr S Srinivasa Rao	Associate Professor
10.	Sri M Anil Prakash	Associate Professor
11.	Sri R S Umamaheswara Raju	Asst.Professor
12.	Sri K Ajay	Asst.Professor
13.	Sri S Sanyasi Naidu	Asst.Professor
14.	Sri Ch Varun	Asst.Professor
15.	Sri B Madhava Varma	Asst.Professor
16.	Sri G Satyanarayana	Asst.Professor
17.	Sri G Rajesh	Asst.Professor
18.	Sri M Y Prasada Rao	Asst.Professor
19.	Sri G Veeraiah	Asst.Professor
20.	Sri K Pavan Kumar	Asst.Professor
21.	Sri N Murali Krishna	Asst.Professor

DEPARTMENT OF MECHANICAL ENGINEERING
MVGR COLLEGE OF ENGINEERING (A): VIZIANAGARAM

Two Day National Workshop on Emerging Trends in Automotive Technologies

August 1st and 2nd 2016

S.No	Name of the Participant	Mail ID
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2	D. Ravi	RAVID:GMAIL@gmail.com. RAVID:346@gmail.com
3	M. Vinod Babu	mvb036@gmail.com (9490248582)
4	K. Sri Rama Mohthy	ksrinh05@gmail.com (9951373443)
5	N. Bulli Raja	bulli.raja7411@gmail.com (898543688)
6	M. PREM DHEERAJ	m.premdheeraj.me@anits.edu.in
7	J. V BHANUTEJ	bhanutej.me@anits.edu.in
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9	C. Veerasha	veerasha@gmail.com
10	S. Joshua Kumar	joshuakumar@mvgrce.edu.in
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12	M. Y. Prasad Rao	myprasad@mvgrce.edu.in (9492929166)
13	Md YOUSUF ALI	yousuf@mvgrce.edu.in
14	Nalluri Abhishek	nalluri.abhishek@gmail.com
15	K. Afay	afay.konapala@mvgrce.edu.in
16	K. T. Jogishwararao	jogish.kt1@gmail.com
17	G. Pramod Kumar	pramodkumar@mvgrce.edu.in
18	Dr. Y. Subi Krishna	subi.krishna.yamala@gmail.com
19	K. Mohan Kumar	mohanb279@gmail.com
20	G. SURYA	SURYA.Chandru12221@gmail.com
21	B. Madhava Varma	madhavvarma@mvgrce.edu.in
22	N. Mumali Kishina	Kishina@mvgrce.edu.in
23	K. Ravi Kumar	kottalavallikumar1@gmail.com
24	K. Pavan Kumar	PavanKmech@gmail.com

2017-18

MAHARAJ VIJAYARAM GAPATHI RAJ COLLEGE OF ENGINEERING(AUTONOMOUS)

Vijayaram Nagar Campus, Chintalavalasa, Vizianagaram-535005, Andhra Pradesh

Accredited by NAAC with 'A' Grade & Listed u/s 2(f) & 12(B) of UGC

(Approved by AICTE, New Delhi and Permanently Affiliated by JNTUK-Kakinada)

NBA Accredited UG Courses: B.Tech(MEC), B.Tech(CIV), B.Tech(EEE), B.Tech(ECE), B.Tech(CSE), B.Tech(IT),
B.Tech(MEC) & B.Tech(CHE) and PG Course: MBA

REPORT ON NATIONAL WORKSHOP ON HYDROLOGIC AND HYDRAULIC MODELING USING MIKE SHE & MIKE HYDRO RIVER CONDUCTED FROM 31-10-2018 TO 2-11-2018

ORGANIZING COMMITTEE

CHIEF PATRON

*Sri. P Ashok Gajapathi Raju, Chairman, MANSAS
Ms. P Aditi Gajapathi Raju, Member, Trust Board*

PATRON

Dr. KVL Raju, Principal, MVGR

ADVISORY BODY

*Dr. DRK Raju, Correspondent, MANSAS
Dr. YMC Sekhar, Vice-Principal
Dr. Ch Purnachandra Rao, Dean (Accreditations & Estt)
Dr P.Ranga Raju Dean(Administration)
Dr P.S.Sitarama Raju Dean(Quality Assurance)
Dr. R Ramesh, Dean (Research & Development)
Dr. K Rajeswara Rao, Dean (Civil Infrastructure)
Dr. DR Prasad Raju, Dean (Faculty Development)*

CONVENOR

Dr. P Markandeya Raju, Professor & HoD

ORGANIZING SECRETARIES

*Dr. S Chandramouli, Professor
Dr. R Maheswaran, Associate Professor*

COORDINATORS

*Mr. A Varaprasad, Asst. Professor
Mr. Kalyan AVS, Asst. Professor*

FACULTY MEMBERS

<i>Dr. Partheepan Ganesan</i>	<i>Sri. B Ramesh Raju</i>
<i>Mr. S Murali Sagar Varma</i>	<i>Mr. Ch V Ravi Sankar</i>
<i>Mr. V Vinay</i>	<i>Mr. RP Singh</i>
<i>Dr. P Sudheer</i>	<i>Mr. B Ramu</i>
<i>Mr. BV Joga Rao</i>	<i>Mr. TP Sreejani</i>
<i>Mr. S Purushotham Rao</i>	<i>Mr. SSB Sai Kumar</i>
<i>Mr. K Santosh Kumar</i>	<i>Mr. W Sai Deepak</i>
<i>Ms. T Jahnvi</i>	<i>Mrs. D Praseeda</i>
<i>Mr. B Jagadeesh</i>	<i>Mr. G Rahul Reddy</i>
<i>Mr. A Sai Kumar</i>	<i>Mr. BVSSR Bhaskar</i>

Who can attend?

Faculty Members, Research Scholars, Ph.D Scholars, PG students, Academicians, Industry Personnel, R & D organizations can also attend this seminar.

Registration Details

For Industry Personnel/ R&D Organizations: **Rs. 7,500/-**
For Faculty Members/ Academicians: **Rs. 3,500/-**
For Research Scholars/ Associates: **Rs. 2,000/-**
For Students: **Rs. 1,500/-**

****Registration fees include Workshop Kit, Certificate, Lunch, Snacks**
Accommodation can be provided to candidates from outstation at college hostel for additional fees.

How to apply?

Interested participants have to mail their details to the below mentioned mail id's on or before 29.10.2018. Selected candidates will be intimated through mail. Registration fees can be paid through DD taken in favour of PRINCIPAL, MVGR College of Engineering or by spot payment.

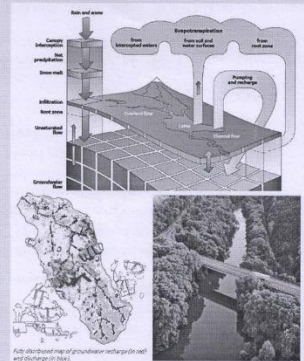
Contact personnel

Dr. R Maheswaran, Associate Professor
maheswaran27@yahoo.co.in
9052 722 221
Mr. Kalyan AVS, Assistant Professor
kalyanavs@mvgrce.edu.in
9966 119 507

Important dates

Intimation of selected candidates: **29.10.2018**

**3 Day National Workshop on
Hydrologic and Hydraulic
modeling using
MIKE SHE &
MIKE HYDRO RIVER
31st October – 02nd November, 2018**



Organized by
DHI (India) Water & Environment Pvt. Ltd.
Delhi
&
Department of Civil Engineering
MVGR College of Engineering (Autonomous)
Vizianagaram, Andhra Pradesh-535 005
www.mvgrce.com

1. ABOUT THE PROGRAM

Flood prediction and extent mapping is gaining importance over the world due to much evident climate change. Modeling of flood events within any catchment is the starting point to flood prediction and management. This three day, hands-on course covers the physical and modeling aspects of all the processes in the hydrological cycle. It provides hands-on experience with MIKE SHEE and MIKE HYDRO. Both these tools are widely used for integrated surface water and groundwater modeling (SHE) and flood extent & Risk mapping (FLOOD).

The proposed topics covered :

- a. Introduction to modeling-hydrologic and hydraulic
- b. Types of models and modeling approaches
- c. Background mechanisms and equations adopted
- d. Simulation of hydrologic processes by MIKE SHE and hydraulic routing by MIKE HYDRO
- e. Model calibration approaches
- f. Hands-on exercises.

2. RESOURCE PERSONS

Training is provided by Dr.Vikrant Vijay Singh, a senior engineer at DHI Water& Environment , Delhi

3. PROGRAM SCHEDULE

Day-1	
TIME	EVENT
8.30 -9.30	Registration
9.30-10.30	Inaugural function including high tea
10.30-12.30	Lecture 1
12.30-1.30	Lunch
1.30-3.30	Lecture 2
3.30-4.30	Hand on experience
Day-2	
8.30 -4.40	Lecture-3 & Hands on Exeprience
Day-3	
10.30-12.30	Lecture-4
12.30-1.30	Lunch
1.30-3.30	Hands on experience
3.30-4.30	Valedictory

4. LIST OF PARTICIPANTS

SL NO	NAME	INSTITUTE/ORGANIZATION	YEAR OF STUDY/ DESIGNATION	KIT & RECEIPT RECEIVED	SIGNATURE
1	Dr Leela Sripavan Rao	Andhra university College of Engineering	M-Tech (CEAM) 2018-2019	Received	Dr. Sripavan Rao
2	K. Avinash Rai	Andhra University College of Engg-ec	M-Tech (CEAM) 2017-2019	Received	Avinash Rai
3	M. NIDHI	ANDHRA UNIVERSITY COLLEGE OF ENGG.	M-Tech (CEAM) 2017-2019	Received	M. Nidhi
4	BANUSUBBIAH RAO	Andhra University College of Science	Asst. Professor	Received	Uma Devi
5	P. VENKATESWARA RAO	Andhra University, College of Science	RESEARCH SCHOLAR	Received	P. Venkat.
6	Priyanka	IT, Madras	Project Associate	Received	Priyanka
7	Dr. P. Padmaavathi Devi	Dept. of Geography Andhra University	Asst. woman scientist	Received	P. Padma
8	Md Altafuddin	IT, Bhuvanagiri	JRF	Received	Altaf
9	CH. Srinivasarayan	Gov. P. College of Engineering, Vengal Rao	Assistant professor	Received	CH. Srinivasarayan
10	M. Lakshmi prasada Rao	APSAU	SAF	Received	M. Lakshmi
11	K. Suresh Reddy	NIGRI	.	Received	K. Suresh Reddy

DEPARTMENT OF CIVIL ENGINEERING
MVGR COLLEGE OF ENGINEERING (A)

KIT & RECEIPT - 3 Day National Workshop on HYDROLOGIC & HYDRAULIC MODELING USING MIKE SHE AND MIKE HYDRO RIVER (31 Oct - 02 Nov, 2018)

SL NO	NAME	INSTITUTE/ ORGANIZATION	YEAR OF STUDY/ DESIGNATION	KIT & RECEIPT RECEIVED	SIGNATURE
12	KOLLI RAMBABU	ANDHRA UNIVERSITY	Research scholar	Received	K. Rambabu
13	KUNCHALA KALYANI	ANDHRA UNIVERSITY	Research scholar	Received	K. Kalyani
14	VARRU ALEKHYA	ANDHRA UNIVERSITY	M.Tech	Received	V. Alekhya
15	KOSURU ANANTASIRAM	ANDHRA UNIVERSITY	B.Tech	Received	K. Anant
16	V.S. MUNDI KRISHNA	Andhra University	M.Tech	Received	V.S. Mundi Krishna
17	P. DILEEP KUMAR	ANDHRA UNIVERSITY	M.TECH	RECEIVED	P. Dilip
18	Dr. P. Beharathi Devi	Andhra University	DSI Water Scientist	Received	P. Beharathi
19	L. Sambasiva	MSRF	Asst. R.A.	Received	
20	R. Sridharan murtug	APSAC	Project Associate	Received	R. Sridharan

DEPARTMENT OF CIVIL ENGINEERING
MVGR COLLEGE OF ENGINEERING (A)

5. PHOTOGRAPHS



**A REPORT ON
FACULTY DEVELOPMENT PROGRAM
on
POWER ELECTRONICS APPLICATIONS FOR RENEWABLE ENERGY
& ELECTRIC VEHICLE APPLICATIONS**

04th – 09th December 2017

Organized by

**Dept. of Electrical and Electronics Engineering, MVGR College of
Engineering,**

in association with

ZUNIK ENERGIES PVT LTD., TIDES-I-2 ,IITROORKEE

A 1 WEEK FACULTY DEVELOPMENT PROGRAM WAS ORGANIZED BY EEE DEPT ,WITH ZUNIK ENERGIES BEING THE MAIN RESOURCE PERSONS FOR THE WORKSHOP .The workshop was very well received by the audience comprising of participants across the country.

The topic of the workshop “Power electronics for Electric Vehicles and Renewable Energy applications

Theme of the program

The field of Power electronics has been all pervading in its influence especially in the field of renewable and electric vehicle. Power electronics is interdisciplinary in nature and is used in a wide variety of area of Electric Drives, power Quality in power systems and renewable energy systems and electric vehicles etc. This FDP is designed to address applications of power electronics in the industry and to encourage various professionals /students/ academicians towards research and for their academic Quality improvement too. This course will offer a unique opportunity to all the participants in real time power electronic systems and its applications through theoretical sessions and simulation plus laboratory-based experiments and demonstrations.

Apart from that, this FDP will also empower the faculty to be able to make use of the advanced R & D equipment like DSP 28335/28067 kits and also enable them to work on inverter design for a typical solar system. .

Objectives of the program

1. To enable the faculty to gain insight into cutting edge technologies in the field of power electronic applications
2. To empower the faculty to gain hands on exposure in using tools (software and hardware) for simulation studies and experiment based research in the above mentioned field
3. To create a forum for ongoing interaction with industry and academia in the form of knowledge transfer for collaborative research

Daywise report:

Monday(04-12-2017): Monday: An absorbing session on “DSP 28335 architecture, programming and inverter demonstration Prof S G Kadwane, Nagpur University, really gave the participation an hands on exposure on DSP 28335

Tuesday(05-12-2017): A lively Discussion on Recent advanced topologies for Renewable Energies Applications (40 Topologies) , Mr Raveendhra, CTO, ZUNIK ENERGIES PVT LTD and ZUNIK team ,held the audience spell bound ,where the topic was dealt n great detail with MATLAB simulations and examples .

Wednesday(06-12-2017) :The day went further into the topic of Performance investigations and Comparative analysis and also topic CCS for DSP Applications , Mr Raveendhra, CTO, ZUNIK ENERGIES PVT LTD .

Thursday(07-12-2017): Mr Raveendhra, CEO, ZUNIK ENERGIES PVT LTD dealt with the topic of Different Modulation Schemes and Xilinx for FPGA Application and Development of Drivers .

Friday (08-12-2017): Mr. Raveendhra, CEO, ZUNIK ENERGIES PVT LTD dealt with the topic of Dead band generation and then there was hardware demonstration of Inverter prototype.

Saturday(09-12-2017):Last day ,there was session on Power Electronics for Electrical Vehicles”, Dr B L Narasimha Raju, NIT, Warangal.

Details of the program:

No of participants: **41**

Duration: **December4th -9th, 2017**









AY 2017-18

Two day National workshop on EDGE CAM-2018

27th & 28th April 2018

About workshop:

The objective of the workshop is to explain the fundamentals of toolpath creation for CNC machines using Edgcam's revolutionary Workflow software interface. The participants will be guided through hands-on exercises by an experienced instructor to learn various milling and turning operations and corresponding toolpath creation using solid CAD models for single-part machining applications.

Resource persons:

1. Mr. Vignesh Raj, Application Engineer, Applications department, Kriatec Services (p) limited, Chennai, TN
2. Mr. K. Ajay, Asst. Prof, Dept of Mech Engg, MVGR College of Engg (A), Vizianagaram, AP

Topics covered:

1. Edge cam software interface
2. workflow method explanation in milling & turning
3. Milling cycles: Roughing, Profiling, Drilling, Tapping, Chamfering
4. Turning cycles: OD roughing, Facing, Finishing, Drilling, Boring, Grooving, Threading

**Two Day National Workshop on
EDGECAM-2018**
27th & 28th APR 2018

Registration form

Participant's Name :

Designation :

Department :

Organization :

Address for

Communication :

Ph. No :

E-mail ID :

Registration Details

DD No.: Date:

Amount Rs.: Bank:

Signature

Note: Please send the registration form along with DD (in favour of Principal, MVGR College of Engineering, payable at Vizianagaram on or before 25th Apr, 2018

Chief Patron

Dr. P. Ashok Gajapathi Raju
Chairman, MANSAS
Union Minister for Civil Aviation

Patron

Dr. D.R.K. Raju
Correspondent, MANSAS

Advisory Committee

Dr. K.V.L. Raju, Chairman and Principal
Prof. D.J.J. Ramachandra Raju
Vice Principal (Admin)
Dr. Y.M.C. Sekhar
Vice Principal (Academics)
Dr. Ch. Purnachandra Rao Asst. Principal (Academics) Dr. D.R. Prasada Raju
Dean (FD)
Dr. R. Ramesh
Dean (R&D)
Dr. P. Ravindranath
Dean (Strategic Planning)

Convener

Dr. S. Adinarayana
Professor & Head
Dept of Mechanical Engg.

Coordinators

Dr. S. Srinivasa Rao
Associate Professor
Dept of Mechanical Engineering
Sri. K. Ajay
Assistant Professor
Dept of Mechanical Engineering

**Two Day National Workshop on
EDGECAM-2018**



27th & 28th Apr 2018



Organized
By

**DEPARTMENT OF MECHANICAL
ENGINEERING**
MVGR COLLEGE OF ENGINEERING
(Autonomous)

(Approved by AICTE, New Delhi, Re Accredited by
NBA, Re Graded 'A' by NAAC, and Permanently
Affiliated to JNTU-Kakinada,
Listed U/S 2(f) & 12 (B)
of the UGC Act 1956)
Vizianagaram, Andhra Pradesh, India

ABOUT MVGR COLLEGE

Maharaj Vijayaram Gajapathi Raj College of Engineering, Vizianagaram, was established in 1997 under the aegis of MANSAS, an educational trust, founded by Late Dr.P.V.G. Raju, Rajah Sahab of Vizianagaram. The college is permanently affiliated to JNTU, Kakinada, NBA accredited and is given 'A' grade by NAAC.

The campus is located at Chintalavalasa, Vizianagaram district of Andhra Pradesh, just 45 minutes drive from Visakhapatnam.

The college provides its learning community, the state of art facilities, infrastructure and a competent faculty. The institute encourages collaboration with industry and Institute as a means of reinforcing its curriculum with practical and real world experiences. The college lays emphasis on offering a well-rounded education to mould the students into resourceful engineers.

TOPICS COVERED

- Edge cam software interface
- workflow method explanation in milling & turning
- Milling cycles: Roughing, Profiling, Drilling, Tapping, Chamfering
- Turning cycles: OD roughing, Facing, Finishing, Drilling, Boring, Grooving, Threading

Contact Address:

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Convener,
Professor & HOD, Dept of MECH Engg
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Phone: 08922-241038
E-mail: mechhod@mvgrce.edu.in

ABOUT DEPARTMENT OF MECHANICAL ENGINEERING

The Department of Mechanical Engineering has been in existence since the inception of the college i.e. 1997. The Department offers Undergraduate Program with an intake of 180 and Post Graduate Program in Product Design and Manufacturing with an intake of 18.

HIGHLIGHTS

- Well qualified faculties with 12 PhD Holders.
- Well-furnished laboratories including research labs with state of art equipment.
- Recognized as Research Center by JNTU-K.
- Accomplished Research Projects worth more than 65 lakhs sponsored by DST, UGC and AICTE.
- PTC recognized 'Center of Excellence'.
- Tripartite agreements with AP State Government and
- SIEMENS for skill development.
- MOUs with Adnrotec, Kriatec Svrcies, Zues Numerix,
- PTC, Askar Microns, Dr.Reddy's.
- Runs Add on Programs in Design and Manufacturing.
- Recognized Skill Development Center for Design, Welding, Refrigeration and Air-Conditioning & Automomve Training by APSDC.
- Gold medals for academic excellence from JNTUK in 2001, 2013 & 2015.
- Active participation in competitions organized by professional bodies such as SAE, IE,ISTE, ISIE, ISNEE, ISHRAE etc.,

RESOURCE PERSONS

1. Mr. Vignesh Raj, Application Engineer, Applications department, Kriatec Services (p) limited, Chennai, TN
2. Mr. K. Ajay, Asst. Prof, Dept of Mech Engg, MVGR College of Engg (A), Vizianagaram, AP

OBJECTIVE

The objective of the workshop is to explain the fundamentals of toolpath creation for CNC machines using Edgecam's revolutionary Workflow software interface. The participants will be guided through hands-on exercises by an experienced instructor to learn various milling and turning operations and corresponding toolpath creation using solid CAD models for single-part machining applications.

REGISTRATION FEE

Faculty Participants: Rs.1000/-
Industrial Participants: Rs.1000/-
Ph.D/M.Tech students from Engineering college and University:
Rs: 500/-
(Fee includes Course kit, lunch and refreshments)
Last date for receipt of application: 25th Apr 2018



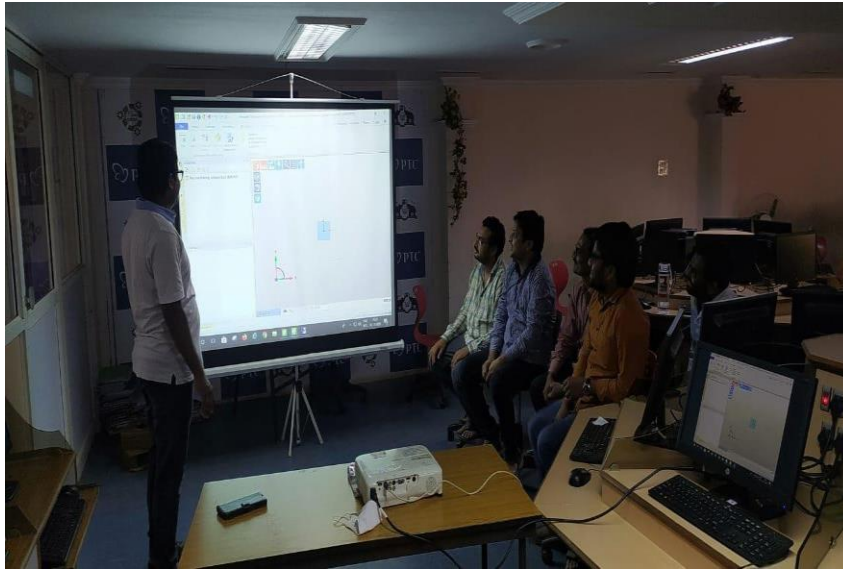
Venue: CAD Lab, Dept of Mech Engg, MVGRCE(A), VZM

Schedule:

Date	Session Timings	Topics	Resource Person
27-Apr-18	10 AM- 12 PM	1. Edge cam software interface	Mr. K. Ajay, Asst. Prof, Dept of Mech Engg, MVGR College of Engg (A), Vizianagaram, AP
	1.30 PM - 3.30 PM	2. workflow method explanation in milling & turning	
28-Apr-18	10 AM- 12 PM	Milling cycles: 1. Roughing 2. Profiling 3. Drilling 4. Tapping 5. Chamfering	Mr. Vignesh Raj, Application Engineer, Applications department, Kriatec Services (p) limited, Chennai, TN
	1.30 PM - 3.30 PM	Turning cycles: 1. OD roughing 2. Facing 3. Finishing 4. Drilling 5. Boring 6. Grooving 7. Threading	

Training Pictures





AY 2017-18

**Two day National workshop on
EDGECAM-2018- 27th & 28th April 2018**

**DEPARTMENT OF MECHANICAL ENGINEERING
MVGR COLLEGE OF ENGINEERING (AUTONOMOUS)**

Department faculty participants list:

S.No	Name	Designation
1.	Sri S Sanyasi Naidu	Asst.Professor
2.	Sri Ch Varun	Asst.Professor
3.	Sri M Y Prasada Rao	Asst.Professor
4.	Sri K Pavan Kumar	Asst.Professor
5.	Sri MD Yousuf Ali	Asst.Professor
6.	Sri G Pramod Kumar	Asst.Professor

2018-19

MAHARAJ VIJAYARAM GAPATHI RAJ COLLEGE OF ENGINEERING(AUTONOMOUS)

Vijayaram Nagar Campus, Chintalavalasa, Vizianagaram-535005, Andhra Pradesh

Accredited by NAAC with 'A' Grade & Listed u/s 2(f) & 12(B) of UGC

(Approved by AICTE, New Delhi and Permanently Affiliated by JNTUK-Kakinada)

NBA Accredited UG Courses: B.Tech(MEC), B.Tech(CIV), B.Tech(EEE), B.Tech(ECE), B.Tech(CSE), B.Tech(IT),
B.Tech(MEC) & B.Tech(CHE) and PG Course: MBA

REPORT ON NATIONAL WORKSHOP ON HYDROLOGIC AND HYDRAULIC MODELING USING MIKE SHE & MIKE HYDRO RIVER CONDUCTED FROM 31-10-2018 TO 2-11-2018

ORGANIZING COMMITTEE

CHIEF PATRON

Sri. P Ashok Gajapathi Raju, Chairman, MANSAS
Ms. P Aditi Gajapathi Raju, Member, Trust Board

PATRON

Dr. KVL Raju, Principal, MVGR

ADVISORY BODY

Dr. DRK Raju, Correspondent, MANSAS
Dr. YMC Sekhar, Vice-Principal
Dr. Ch Purnachandra Rao, Dean (Accreditations & Estt)
Dr. P.Ranga Raju Dean(Administration)
Dr. P.S.Sitarama Raju Dean(Quality Assurance)
Dr. R Ramesh, Dean (Research & Development)
Dr. K Rajeswara Rao, Dean (Civil Infrastructure)
Dr. DR Prasada Raju, Dean (Faculty Development)

CONVENOR

Dr. P Markandeya Raju, Professor & HoD

ORGANIZING SECRETARIES

Dr. S Chandramouli, Professor
Dr. R Maheswaran, Associate Professor

COORDINATORS

Mr. A Varaprasad, Asst. Professor
Mr. Kalyan AVS, Asst. Professor

FACULTY MEMBERS

Dr. Partheepan Ganesan	Sri. B Ramesh Raju
Mr. S Murali Sagar Varma	Mr. Ch V Ravi Sankar
Mr. V Vinay	Mr. RP Singh
Dr. P Sudheer	Mr. B Ramu
Mr. BV Joga Rao	Mr. TP Sreejani
Mr. S Purushotham Rao	Mr. SSB Sai Kumar
Mr. K Santosh Kumar	Mr. W Sai Deepak
Ms. T Jahnavi	Ms. D Praseeda
Mr. B Jagadeesh	Mr. G Rahul Reddy
Mr. A Sai Kumar	Mr. BVSSR Bhaskar

Who can attend?

Faculty Members, Research Scholars, Ph.D Scholars, PG students, Academicians, Industry Personnel, R & D organizations can also attend this seminar.

Registration Details

For Industry Personnel/ R&D Organizations: Rs. 7,500/-
For Faculty Members/ Academicians: Rs. 3,500/-
For Research Scholars/ Associates: Rs. 2,000/-
For Students: Rs. 1,500/-

**Registration fees include Workshop Kit, Certificate, Lunch, Snacks
Accommodation can be provided to candidates from outstation at college hostel for additional fees.

How to apply?

Interested participants have to mail their details to the below mentioned mail id's on or before 29.10.2018. Selected candidates will be intimated through mail. Registration fees can be paid through DD taken in favour of PRINCIPAL, MVGR College of Engineering or by post payment.

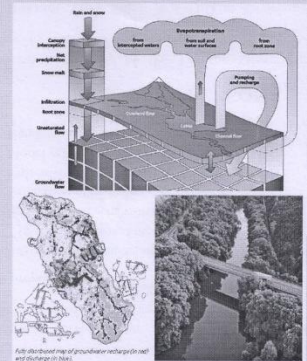
Contact personnel

Dr. R Maheswaran, Associate Professor
maheswaran27@yahoo.co.in
9052 792 221
Mr. Kalyan AVS, Assistant Professor
kalyanavs@mvgrce.edu.in
9966 119 507

Important dates

Intimation of selected candidates: 29.10.2018

3 Day National Workshop on
Hydrologic and Hydraulic
modeling using
MIKE SHE &
MIKE HYDRO RIVER
31st October – 02nd November, 2018



Organized by
DHI (India) Water & Environment Pvt. Ltd.
Delhi
&
Department of Civil Engineering
MVGR College of Engineering (Autonomous)
Vizianagaram, Andhra Pradesh-535 005
www.mvgrce.com

ABOUT MVGR

Maharaj Vijayaram Gajapathi Raj College of Engineering was established in the year 1997 under the aegis of MANSAS (Maharaj Alak Narayana Society of Arts and Science) founded by Late Dr. PVG Raju, Raja Saheb of Vizianagaram. The college offers UG & PG Engineering Programmes in addition to MBA. Five of the departments have been recognized as a research centers by JNTUK.

The Institute in addition to curricular programs constantly strives to update its faculty and students with emerging and most recent developments in various disciplines through Industry-Academy interactions by conducting International and National Conferences, Workshops, Seminars, Add-on Courses and Guest Lectures. The Institute has 20 sponsored research projects from DST, AICTE, UGC, IET and ICSSR. The Institute has student chapters of professional bodies such as IET, IEEE. Recognized as "Center of Excellence" by PTC for Creo and Windchill training, VIRTUSA for PEGA training, MICROSOFT under Ed-vantage Program, WIPRO for its WIPRO MISSION 10X Technology Learning Center (MTLC), TCS for its Academic Interface Program (AIP), SIEMENS for Digital Manufacturing. The college is recognized as a "Business Incubator" by the Ministry of Micro, Small and Medium Enterprises (MSME), Government of India and Skill Development Center by AP State Skill Development Corporation.

ABOUT THE DEPARTMENT

Department of Civil Engineering was established in the year 2009 offers B.Tech in Civil Engineering and M.Tech in Structural Engineering. The UG program is accredited by NBA. The Department has state of the art infrastructure & well-equipped laboratories. 26 well qualified strong team of faculty with a blend of industry, R&D and teaching experience with varied specializations offer teaching-learning services. Among them 6 are

decorates, and 10 are currently pursuing their doctoral research. The department has a dedicated Computer Centre & Research Centre promoting active research. The department has certified competency for skill development leading to award of certification in Remote Sensing and STAAD.Pro in collaboration with Indian Institute of Remote Sensing (IIRS) and Bentley. The faculty of the department have more than 100 quality research publications in journals of international repute. The department has funded research project worth more than 200 Lacs from DST. The department offers consultancy services to various Government and Private organizations like GVMC, Vizianagaram Traffic Police, AP Road Safety Department, CPWD, Visakhapatnam Urban Development Authority, SPCB Vizianagaram. The department serves as a Third-party QA & QC agency for Vizianagaram Municipality.

ABOUT MIKE SHE & MIKE HYDRO

MIKE Powered by DHI is a part of DHI, the global organization dedicated to solving challenges in water environments worldwide. It provides a range of software products that enables to accurately analyze, model and simulate any type of challenge in water environments such as oceans and coastlines, rivers and reservoirs, ecology, groundwater, water distribution, wastewater and many more.

MIKE SHE provides truly integrated modelling of groundwater and its movement, surface water, recharge and evapotranspiration. It provides a seamless integration of all the important processes of the hydrological cycle.

MIKE HYDRO MIKE HYDRO River is top quality river modelling, covering more application areas than any other river modelling package available. It enables you to model a variety of tasks related to river hydraulics, water quality, flooding, forecasting, navigation as well as catchment dynamics and runoff. Applications of MIKE SHE range

from classical flood extent and risk mapping to environmental impact assessments of severe flood events.

ABOUT THE WORKSHOP

Flood prediction and extent mapping is of great importance over the world due to much evident climate change. Modeling of flood events within any catchment is the starting point to flood prediction and management. This three-day, hands-on course covers the physical modelling aspects of all the processes in the hydrological cycle. It provides hands-on experience with MIKE SHE and MIKE HYDRO. Both these tools are widely used for integrated surface water and groundwater modelling (SHE) and flood extent & risk mapping (FLOOD).

The proposed topics covered:

- Introduction to modeling – hydrologic and hydraulic routing by MIKE SHE.
- Types of models and modeling approaches.
- Background mechanisms and equations adopted.
- Simulation of hydrologic processes by MIKE SHE.
- Model calibration approaches.
- Hands-on exercises.

RESOURCE PERSON

Training is provided by Dr. Vikrant Vijay Singh, senior engineer at DHI Water & Environment, Delhi.

Dr. Vikrant Vijay Singh is a PhD in Environmental Science with specialization in Groundwater resources. His interest lies in numerical modeling of surface groundwater flow and has conducted training sessions on groundwater modeling and management organized for state departments.

1. ABOUT THE PROGRAM

Flood prediction and extent mapping is gaining importance over the world due to much evident climate change. Modeling of flood events within any catchment is the starting point to flood prediction and management. This three day, hands-on course covers the physical and modeling aspects of all the processes in the hydrological cycle. It provides hands-on experience with MIKE SHEE and MIKE HYDRO. Both these tools are widely used for integrated surface water and groundwater modeling (SHE) and flood extent & Risk mapping (FLOOD).

The proposed topics covered :

- a. Introduction to modeling-hydrologic and hydraulic
- b. Types of models and modeling approaches
- c. Background mechanisms and equations adopted
- d. Simulation of hydrologic processes by MIKE SHE and hydraulic routing by MIKE HYDRO
- e. Model calibration approaches
- f. Hands-on exercises.

2. RESOURCE PERSONS

Training is provided by Dr. Vikrant Vijay Singh, a senior engineer at DHI Water & Environment , Delhi

3. PROGRAM SCHEDULE

Day-1	
TIME	EVENT
8.30 -9.30	Registration
9.30-10.30	Inaugural function including high tea
10.30-12.30	Lecture 1
12.30-1.30	Lunch
1.30-3.30	Lecture 2
3.30-4.30	Hand on experience
Day-2	
8.30 -4.40	Lecture-3 & Hands on Exeperience
Day-3	
10.30-12.30	Lecture-4
12.30-1.30	Lunch
1.30-3.30	Hands on experience
3.30-4.30	Valedictory

4. LIST OF PARTICIPANTS

SL NO	NAME	INSTITUTE/ORGANIZATION	YEAR OF STUDY/ DESIGNATION	KIT & RECEIPT RECEIVED	SIGNATURE
1	Dr Leela Srisaran Rao	Andhra university College of Engineering	M-Tech (CEAM) 2018-2019	Received	Dr. Srisaran Rao
2	K. Avinash Rai	Andhra University College of Engg-ee	M-Tech (CEAM) 2017-2019	Received	Avinash Rai
3	M. NIDHI	ANDHRA UNIVERSITY COLLEGE OF ENGG.	M-Tech (CEAM) 2017-2019	Received	M. Nidhi
4	BANUSUBRAHMANI BASU	Andhra University College of Science	Asst. Professor	Received	Uma Devi
5	P. VENKATESWARA RAO	Andhra University, College of Science	RESEARCH SCHOLAR	Received	P. Venkat.
6	Priyanka	IT, Madras	Project Associate	Received	Priyanka
7	Dr. P. Padmaavathi Devi	Dept. of Geography Andhra University	Asst. woman scientist	Received	P. Padma
8	Md Altafuddin	IT, Bhuvanagiri	JRF	Received	Altaf
9	CH. Srinivasarayan	Gov. P. College of Engineering, Vittalapalem.	Assistant professor	Received	CH. Srinivasarayan
10	M. Lakshmi prasada Rao	APSAU	SAF	Received	M. Lakshmi
11	K. Srisideen	NIGRI	.	Received	K. Srisideen

DEPARTMENT OF CIVIL ENGINEERING
MVGR COLLEGE OF ENGINEERING (A)

KIT & RECEIPT - 3 Day National Workshop on HYDROLOGIC & HYDRAULIC MODELING USING MIKE SHE AND MIKE HYDRO RIVER (31 Oct - 02 Nov, 2018)

SL NO	NAME	INSTITUTE/ ORGANIZATION	YEAR OF STUDY/ DESIGNATION	KIT & RECEIPT RECEIVED	SIGNATURE
12	KOLLI RAMBABU	ANDHRA UNIVERSITY	Research scholar	Received	K. Rambabu
13	KUNCHALA KALYANI	ANDHRA UNIVERSITY	Research scholar	Received	K. Kalyani
14	VARRU ALEKHYA	ANDHRA UNIVERSITY	M.Tech	Received	V. Alekhya
15	KOSURU ANANTASIRAM	ANDHRA UNIVERSITY	B.Tech	Received	K. Anant
16	V.S. MUNDI KRISHNA	Andhra University	M.Tech	Received	V.S. Mundi Krishna
17	P. DILEEP KUMAR	ANDHRA UNIVERSITY	M.TECH	RECEIVED	P. Dilip
18	Dr. P. Beharathi Devi	Andhra University	DSI Water Scientist	Received	P. Beharathi
19	L. Sambasiva	MSRF	Asst. R.A.	Received	
18	R. Sridharan murtug	APSAC	Project Associate	Received	R. Sridharan

DEPARTMENT OF CIVIL ENGINEERING
MVGR COLLEGE OF ENGINEERING (A)

5. PHOTOGRAPHS



MVGR

Maharaj Vijayaram Gajapathi Raj College of Engineering (Autonomous) was established in the year 1997 under the aegis of “MANSAS” educational trust, founded by the Raja Saheb of Vizianagaram, Dr. P.V.G. Raju in 1958. The college is permanently affiliated to JNTUK, Kakinada. All its UG programs accredited by NBA and the Institution is certified with grade ‘A’ by NAAC.

The college is located at Chintalavalasa, Vizianagaram district, Andhra Pradesh, 45 minutes drive from Visakhapatnam.

The college provides its learning community, the state-of-art facilities, infrastructure and a competent faculty. The Institute encourages the collaboration with Industry and Institute as a means of reinforcing its curriculum with practical and real world experiences. The college lays emphasis on offering a well-rounded education to mould the students into resourceful engineers.

Department of EEE

The department offers B.Tech and M.Tech.(Power systems). It has qualified and experienced faculty to make the students well rounded professionals.

Salient Features

- ❖ Accredited by NBA.
- ❖ Recognized as research center, which can offer Ph.D. programs.
- ❖ Collaborated with SIEMENS Ltd for training the students with certification programs on PLC Automation and AC/DC Drives.
- ❖ Equipped with software tools like MATLAB, LabVIEW and PSCAD.
- ❖ Has advanced equipment to encourage students and faculty towards research.

Theme of the Program

In recent years, Power Electronic converters are widely used to control the flow of power in power system applications. Power electronic applications are growing rapidly in industrial, commercial, residential, transportation, utility, aerospace, and military environments. Hence, there is a need to update recent advances in the field of power electronics. In this context, this FDP is proposed which aims at providing an opportunity to faculty members, research scholars and post graduate students to know the latest developments in the field of Power Electronics and the possible areas of research.

Objective of the Program

This program will give an exposure to the participants on contemporary developments in the field of Power Electronics.

This program provides an insight into:

- ❖ Recent Trends in Power Electronics for Sustainable Energy
- ❖ Grid connected solar and wind energy systems
- ❖ Application of power electronics in Smart Grid
- ❖ Quick charging energy Storage Systems
- ❖ Control of power flows in power systems
- ❖ Power electronics for Power Quality
- ❖ Electric Vehicles and Smart Urban Transportation

Resource Persons

Dr A. K Panda	NIT, Rourkela.
Dr K Shiva Kumar	IIT, Hyderabad.
Dr C N Bhende	IIT, Bhubaneswar.
Dr A Jayalaxmi	JNTUH, Hyderabad.
Dr P Chandra Sekhar	IIT, Bhubaneswar.
Dr G Gurunath	IISC, Bangalore.
Dr N Jayaram	NIT-AP.

Convener

Dr. Sarat Kumar Sahu, Professor and Head

Co-Conveners

Dr. R. Gowrisankara Rao, Professor
Mr. K.S. Ravi Kumar, Associate Professor
Mr. I.Kranthi Kiran, Associate Professor
Mr. M.Venu Madhav, Associate Professor

Coordinator

Mr. Ch. Bhavanisankar, Assistant Professor

Phone: +91 9492544880, +918922 241167(O)

email: peaps2k18@mvgrce.edu.in

College website: www.mvgrce.edu.in

Organizing Committee

Faculty of EEE Department.

Venue

Department of EEE, MVGR College of Engg. (A).

Registration fee

For Faculty of Engg. Colleges	Rs. 1000/-
For Industry participants	Rs. 2000/-
For Student participants	Rs. 500/-

Registration fee is payable through demand draft drawn in favor of Principal, MVGR College of Engineering, Vizianagaram on or before 12th December 2018. The registration form can be downloaded from the college web site and the filled-in form can be sent to the above mentioned email.

Accommodation

For external participants, accommodation will be provided.

REGISTRATION FORM

Participant's Name :
Designation :
Department :
Organization :
Address :
Phone no :
Email ID :
Accommodation required : Yes/No

Registration details

DD No. : Date :
Amount in Rs. : Bank :

Signature of the participant

Sponsorship Certificate

Certified that Mr./Ms./Mrs. _____ is a faculty/employee of our institution /industry and is hereby sponsored to attend Faculty Development Program on “**Power Electronic Applications in Power Systems (PEAPS-2k18)**” at MVGR College of Engineering, Vizianagaram from 17th to 22nd December 2018.

Place :

Date :

Signature of sponsoring
Authority with seal

Chief Patron

Sri. P. Ashok Gajapathi Raju
Chairman, MANSAS

Patrons

Sri. C. Kutumba Rao
Vice-Chairman, Planning Commission, A.P.

Dr. I. V. Rao
Former Vice-Chancellor, NTR Health University

Ms. P. Aditi Gajapathi Raju
Member, MANSAS Trust Board

Dr. K.V.L.Raju
Correspondent, MANSAS
and Principal, MVGR College of Engineering (A).

Advisory Board

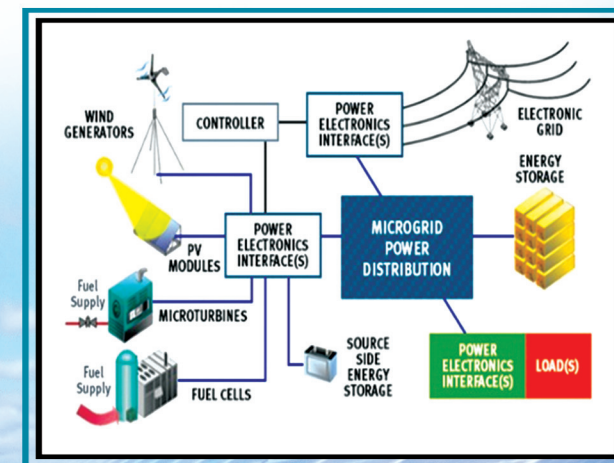
Prof. D.J.J. R.Raju, Advisor, EEE Dept.
Dr. Y.M.C. Sekhar, Vice-Principal (Academics)
Dr. D.R. Prasada Raju, Dean (Faculty Development)
Dr. P. Ravindranath, Dean (Strategic Planning)
Dr. M. Sunil Prakash, Dean (Training & Placements)
Dr. K. Rajeswara Rao, Dean (Civil Infrastructure)
Dr. R. Ramesh, Dean (Research & Development)
Prof. P.S.S. Sitharama Raju, Dean (QA)
Dr. S. Srinivasa Rao, Dean (Student Affairs)
Dr. T.V.N. Partha Sarathi, Dean (Examinations)
Dr. Ch. Purnachandra Rao, Dean (A & E)
Sri. P. Ranga Raju, Dean (Administration)



A Faculty Development Program on

POWER ELECTRONIC APPLICATIONS IN POWER SYSTEMS (PEAPS-2k18)

From 17th to 22nd December 2018



Organized by

**Dept. of Electrical & Electronics Engineering
MVGR College of Engineering (Autonomous)**

(Approved by AICTE, New Delhi, Accredited by NBA
of AICTE, Graded 'A' by NAAC of UGC and Permanently
Affiliated to JNTUK)

Chinthalavalasa, Vizianagaram - 535005, Andhra Pradesh
Visit us at: www.mvgrce.edu.in
email : peaps2k18@mvgrce.edu.in

**A Report
on
One Week Faculty Development Program
“Power Electronics Application to Power Systems”
during
17th to 22nd December 2018
organized by
DEPARTMENT OF EEE
MVGR COLLEGE OF ENGINEERING (AUTONOMOUS)
(Listed Under 2(f), 12(b) Act of UGC)
(Permanently Affiliated to JNTU, Kakinada, and Approved by AICTE & NBA, New Delhi, Accredited with “A” grade by NAAC)
VIZIANAGARAM**

In recent years, Power Electronic converters are widely used to control the flow of power in power system applications. Power electronic applications are growing rapidly in industrial, commercial, residential, transportation, utility, aerospace, and military environments. Hence, there is a need to update recent advances in the field of power electronics. In this context, this FDP is proposed which aims at providing an opportunity to faculty members, research scholars and post graduate students to know the latest developments in the field of Power Electronics and the possible areas of research.

Objective of the Program

This program intends to provide the exposure on contemporary developments in the field of Power Electronic Controllers. It gives an opportunity to the faculty and the researchers to update themselves.

This program provides an insight into_

- ❖ Recent Trends in Power Electronics for Sustainable Energy
- ❖ Grid connected solar and wind energy systems
- ❖ Application of power electronics in Smart Grid
- ❖ Quick charging energy Storage Systems
- ❖ Control of power flows in power systems
- ❖ Power electronics for Power Quality
- ❖ Electric Vehicles and Smart Urban Transportation

Day wise report:

Monday(17-12-2018): IN the Inaugural sessions ,Key note address was given by Chief guest, Sri **ASV Ramanan**, Executive Director,HPCL on importance and application of smart grid and green energy. The days session was to be taken up by Dr A JayaLaxmi ,Professor,EEE Dept,JNTU HYD , on the Challenges and advances of Power Electronics for future applications”. But due to cyclone the day’s session could not be held .

Tuesday(18-12-2018) :The session was given on Power Converters for Renewable Energy Applications and Battery Charging Systems by Mr. Adiseshanaik,AGM,Visakha Steel plant,Visakhapatnam.After that, the topic of Modeling of Renewable Energy Systems was given by Dr. A. K. Panda,NIT-Rourkela,Rourkela.

Wednesday(19-12-2018) The session was given on Phase controlled converters and PWM converters and Dr. K. Siva Kumar, Professor, Electrical Engineering Dept. IITH, Hyderabad .

After that the session on Grid integrated Power Converters was given by Dr. N. Jayaram, Asst. Professor, EEE Dept., NIT-AP., Thadepallegudem.

Thursday (20-12-2018) The session was given in morning on Control Techniques for STATCOM and UPQC and afternoon on Simulation Techniques in Power electronics applications by Dr. C. N. Bhende, Associate professor ,School of Electrical Sciences, IIT Bhubaneswar, Bhubaneswar. It was well taken by the audience with interaction with speaker.

Friday (21-12-2018) : The session was given in morning on Role of converters in Electric Vehicles by Dr. P. Chandrasekhar, Asst. Professor, School of Electrical Sciences, IIT Bhubaneswar, Bhubaneswar.

Saturday (22-12-2018) :It was very interesting day in terms of the learning experience for audience . Dr. G. Gurunath, Asst. Professor, Dept. of Electrical Engineering, IISc, Bangalore.

The topics were very different and fundamental “Problem identification in the area of Power Electronics “and “Conversion of research work into transactions”

The workshop seemed to attract a favorable opinion among the audience as per the attendance and feedback, and overall it can be deemed to be a grand success as it fulfilled the set objectives and achieved its outcomes.

Day	Time	Event	Resource Person Details
Monday 17-12-2018	9:30- 10:45	Inaugural session	
	10:45-11:00	Tea Break	
	11:00-01:00	Key note address by chief guest on importance and application of Smart Grid and Green Energy.	Chief guest: K. Srihari DGM, Power Grid Corporation of India
	01:00-02:00	Lunch Break	
	02:00-03:00	Power Electronic Applications in Power Systems – Overview.	Dr. A. Jaya Lakshmi Professor EEE Dept. JNTUH, Hyderabad.
	03:00-03:15	Tea Break	
	03:15-04:30	Power Electronic Applications in Power Systems – Scope of research.	
Tuesday 18-12-2018	9:30- 11:00	Introduction to Power semiconductor devices.	Mr. Adi Sessa Naik AGM Visakha Steel plant, Visakhapatnam.
	11:00-11:15	Tea Break	
	11:15-01:00	Applications of Drive control system (DC and AC) in process industries	
	01:00-02:00	Lunch Break	

	02:00-04:30	Topological Issues in Single Phase Power Factor Correction	Dr. A. K. Panda NIT-Rourkela Rourkela.
Wednesday 19-12-2018	9:30- 11:00	Role of power electronics in renewable applications.	Dr. K. Siva Kumar Professor Electrical Engineering Dept. IITH, Hyderabad
	11:00-11:15	Tea Break	
	11:15-01:00	contd... Role of power electronics in renewable applications	
	01:00-02:00	Lunch Break	
	02:00-04:30	Current Research in Micro grids and Smart Grids : Opportunities & Challenges &Current Research in Electric Vehicles : Opportunities & Challenges	Dr. V. Sandeep Asst. Professor EE Dept. CU of Karnataka Gulbarga.
Thursday 20-12-2018	9:30- 11:00	Integration of Large Wind Power to the Grid	Dr. C. N. Bhende Associate professor School of Electrical Sciences IIT Bhubaneswar, Bhubaneswar.
	11:00-11:15	Tea Break	
	11:15-01:00	Islanding detection scheme for distributed generation systems using modified reactive power control strategy	
	01:00-02:00	Lunch Break	
	02:00-04:30	Optimal Power Flow Management of Grid Connected Photovoltaic-Battery System & Modified Jaya Algorithm for Optimization.	Dr. C. N. Bhende Associate professor School of Electrical Sciences IIT Bhubaneswar, Bhubaneswar.
Friday 21-12-2018	9:30- 11:00	Integration of Renewable Energy Sources to Grid-Challenges	Dr. P. Chandrasekhar Asst. Professor School of Electrical Sciences IIT Bhubaneswar, Bhubaneswar.
	11:00-11:15	Tea Break	
	11:15-01:00	contd...Integration of Renewable Energy Sources to Grid-Challenges	
	01:00-02:00	Lunch Break	
	02:00-04:30	Application of Power Electronics in Smart Grid-Stability	Dr. P. Chandrasekhar Asst. Professor School of Electrical Sciences IIT Bhubaneswar, Bhubaneswar.
Saturday 22-12-2018	9:30- 11:00	Problem identification in the area of Power Electronics	Dr. G. Gurunath Asst. Professor

	11:00-11:15	Tea Break	Dept. of Electrical Engineering, IISc, Bangalore.
	11:15-01:00	Conversion of research work into transactions	
	01:00-02:00	Lunch Break	
	02:00-04:00	Valedictory	

AY 2018-19

**5-day Faculty Development Program on
Hybrid and Electric Vehicle Technologies (HEVT '2018)**

11th to 15th December 2018

About the Workshop:

Although internal combustion engines have been used for more than a century, significant improvements in engine combustion, thermal efficiency and emissions reduction are still possible. The objective of the 5-day faculty development program on “Hybrid and Electric Vehicle Technologies (HEVT '2018)” will be to discuss an overview of current advances in automotive and emission reduction technologies in line with Bharat stage VI norms. The program will also cover the basics of Hybrid and Electric vehicle technologies and Challenges in development of Electric vehicle battery systems. This 5-day faculty development program provides the platform for faculty to interact with experts from academia and industry in the area of Hybrid and Electric vehicle technology. It will also help the faculty to enhance their knowledge and to do research with modern tools and technologies.

Resource persons:

1. Dr N.H. Walke, Deputy Director, Powertrain Engineering, ARAI, Pune
2. Dr. Simhachalam Juttu, Deputy General Manager, Powertrain Engineering, ARAI, Pune
3. Dr.M.V. Uchgoankar, Head (HR) & Deputy Director, ARAI Pune
4. Dr.M.Venkateswarlu, AGM-Technology Centre, Amara Raja Batteries Ltd
5. Prof.K.Munshi, Director, Industrial Design Centre, IIT Bombay
6. Prof.C.S.Shankar Ram, Professor in Engineering Design, IIT Madras
7. Mr.Suroju Ramakrishnan, Manager R&D, Renault Nissan
8. Mr.Rajendra Khile, Dy.General Manager, Product Engineering, Renault Nissan
9. Mr.Yogesh Nagendran, Team leader, Renault Nissan
10. Mr.Jothi Prasad Shette, Manager, Cummins India Ltd
11. Mr.G.Nischal, Design Engineer, R&D, Mercedes Benz

Topics covered:

- Challenges in development of Hybrid and Electric vehicles
- Future of Hybrid and Electric Vehicles in India
- Electric vehicle battery technologies and advancements
- Types of power trains-control a hybrid powertrain
- Testing of Hybrid and electric vehicles

● **Advanced IC engine and emission control Technologies to meet BS VI Norms**

ABOUT MVGR COLLEGE

Maharaj Vijayaram Gajapathi Raj College of Engineering, Vizianagaram, was established in 1997 under the aegis of MANSAS, an educational trust, founded by Late Dr.P.V.G. Raju, Rajah Saheb of Vizianagaram. The college is permanently affiliated to JNTU, Kakinada, NBA accredited and is certified with 'A' grade by NAAC.

The campus is located at Chintalavalasa. Vizianagaram district of Andhra Pradesh, 45 minutes drive from Visakhapatnam.

The college provides its learning community, the state of art facilities, infrastructure and a competent faculty. The Institute encourages collaboration with industry and Institute as a means of reinforcing its curriculum with practical and real world experiences. The college lays emphasis on offering a well-rounded education to mould the students into resourceful engineers.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in 1997 and offers undergraduate program with an intake of 180, Post graduate Program in Product Design and Manufacturing and Ph.D Programs. The salient features of the Departments includes,

- Well qualified faculties with 13 Doctorates
- Well furnished laboratories including research labs with state of art equipment
- Recognized as Research Center by JNTU-K
- Accomplished / ongoing Research Projects worth more than 1.5 Crore sponsored by DST, UGC and AICTE.
- CM Centre of Excellence for 3Ds by Dassault Systems
- AP Skill Development Centre by Siemens
- Certificate Programs on CREO, Wind Chill and Edge CAM

OBJECTIVE OF THE WORKSHOP

Although Internal Combustion Engines are in usage for more than a Century, there is an ample scope for improvements in engine combustion, thermal efficiency and emissions reduction by adopting new technologies. The objective of this faculty development program on "Hybrid and Electric Vehicle Technologies (HEVT '2018)" is to cast light on current advances in automotive and emission reduction technologies in linewith BS VI norms. The program also covers the basics of Hybrid and Electric vehicle technologies and Challenges in the development of Electric vehicles. The 5-day faculty development program provides a platform for faculty to interact with experts from industry and academia. It will also help the faculty enriching their domain knowledge and provide necessary inputs for future research.

TOPICS TO BE COVERED

- Advanced IC engine Technologies
- Challenges in development of Hybrid and Electric vehicles
- Future of Electric Vehicles in India
- Electric vehicle power train technologies
- Introduction to BS VI Norms and Exhaust emission control technologies
- Battery Management System



RESOURCE PERSONS

1. Prof.K.Munshi, Former Head of IDC, IIT Bombay, Director, C-Tech Labs Pvt. Ltd.,
2. Dr.N.H.WALKE, Deputy Director, ARAI, Pune
3. Dr.M.V.Uchgoankar, Head (HR) & Deputy Director, ARAI
4. Dr.SIMHACHALAM JUTTU, DGM, ARAI, Pune
5. Mr.Suroju Ramakrishnan, Manager (R&D), Renault – Nissan
6. Mr.Jothi Prasad Shette, Manager-Cummins India Limited
7. Dr.M. Venkateswari, AGM, Amara Raja Batteries Ltd
8. Prof.C.S. Shankar Ram, Dept. of Engineering Design, IITM
9. Mr.Nischal G, Sr. Design Engineer (R&D), Mercedes - Benz
10. Mr. Rajendra Khile, DGM, Renault – Nissan
11. Mr. Yogesh Nagendran, Team Leader, Renault – Nissan
12. Mr. Nagarajan Kannan, MD, Dharma Sai Motors, Chennai
13. Mr. Rakesh Mulik, Manager, ARAI, India

REGISTRATION FEE

Rs. 2000/- for Industry and Faculty Participants
 Rs: 1000/- for Ph.D/M.Tech students from Engineering colleges and Universities; (Fee includes Course kit, lunch and refreshments)
 Last date for Registration: 7th December 2018.

BOARDING AND ACCOMMODATION

For outside participants, accomodation will be provided in Boys hostel on payment basis.



5-day Faculty Development Program on Hybrid and Electric Vehicle Technologies (HEVT '2018)
 11th to 15th, Dec 2018
 DEPARTMENT OF MECHANICAL ENGINEERING
 MVGR COLLEGE OF ENGINEERING (A)
 VIZIANAGARAM, AP

Registration Form

Participants Name : _____

Designation : _____

Department : _____

Organization : _____

Address for Communication : _____

Ph. No : _____

E-mail ID : _____

Registration Details : _____

DD No. : _____ Date : _____

Amount Rs. : _____ Bank : _____

Signature of the Candidate _____

Note : Please send the registration form along with DD (in favour of Principal, MVGR College of Engineering (A), payable at Vizianagaram on or before 7th, December 2018

Chief Patron
Sri P. Ashok Gajapathi Raju
 Chairman, MANSAS

Ms. P. Aditi Gajapathi Raju
 Member, MANSAS Trust board

Patron
Dr. K.V.L. Raju,
 Correspondent, MANSAS
 and Principal, MVGR College of Engineering (A)

Advisory Committee

Dr. Y.M.C. Sekhar
 Vice Principal (Academics)

Mr. P. Ranga Raju
 Dean (Admin)

Dr. D.R. Prasada Raju
 Dean (FD)

Dr. R. Ramesh
 Dean (R&D)

Dr. P.Ravindranath
 Dean (Strategic Planning)

Convener

Dr. S. Adinarayana
 Professor & Head
 Dept of Mechanical Engg.
 Mobile : 9440584131
 Phone : 08922-241038
 E-mail : mechhod@mvgrce.edu.in

Coordinators

Dr. N. Ravi Kumar
 Professor
 Mobile : 9949618492

Dr. M.K. Naidu
 Associate Professor
 Mobile : 9866474301

5-day Faculty Development Program on Hybrid and Electric Vehicle Technologies (HEVT '2018)

11th to 15th, December 2018

Organised by
**DEPARTMENT OF MECHANICAL ENGINEERING
 MVGR COLLEGE OF ENGINEERING (A)**
 (approved by AICTE, New Delhi,
 Vizianagaram - 533005
 Andhra Pradesh, India)



DEPARTMENT OF MECHANICAL ENGINEERING
MVGR COLLEGE OF ENGINEERING (A): VIZIANAGARAM
5-day Faculty Development Program on
Hybrid & Electric Vehicle Technologies (HEVT'2018)
11th - 15th December 2018



Date	Time	Session	Resource Person	Topic Name	Venue	Target Audience
Day 1 (11.12.2018)	9:15 – 10.00	Registration			Admn. Seminar Hall	Participants, Faculty, M Tech I semester students and III A, B,C students
	10.00 – 10.30	Inaugural Function				
	10.30 -12:00	01	Prof. K.Munshi, Former HOD, IDC, IIT Bombay, Director, CTech Labs Pvt. Ltd	Sustainable EV Mobility Initiatives & some Case Studies		
	12:00 -1:30	Lunch				
	1.30 - 03:30	02	Dr. Somnath Sengupta, Asst. Professor, IIT Kharagpur	Electric Vehicles (xEVs)	Mech. Conference Hall	
Day 2 (12.12.2018)	9:30 - 11:00	03	Mr.Yogesh Nagendrian, Manager, Renault Nissan, Chennai	High Tea	Mech. Conference Hall	Participants, Faculty, M Tech I semester students
	11:00 - 11: 15	High Tea				
	11:15 -12:45	04	Mr.Rajendra Khile, Dy.General Manager, Product Engineering, Renault Nissan, Chennai	EV Charging Systems		
	12:45 -02:15	Lunch				
	02:15 - 03:45	05	Mr. G.Nischal	Current status of Electric and Hybrid Vehicles in India & Potential scope of automakers for short & Long Term		

Date	Time	Session	Resource Person	Topic Name	Venue	Target Audience
Day 3 (13.12.2018)	9:30 - 11:00	06	Prof.C.S.Shankar Ram, Professor in Engineering Design, IIT Madras.	Longitudinal Dynamics of Electric and Hybrid Electric Vehicles	Mech. Conference Hall	Participants, Faculty, M Tech 1 st semester students
	11:00 - 11: 15	High Tea				
	11:15 -12:45	07	Dr.M.Venkateswarlu, AGM, Amara Raja Batteries Technology Centre, Tirupati	Lithium-ion Battery Challenges for Electric Vehicles		
	12:45 -02:15	Lunch				
Day 4 (14.12.2018)	02:15 - 03:45	08	Mr.Suroju Ramakrishna, Manager R&D, Renault Nissan	Electrical Vehicles for Urban Mobility	Mech. Conference Hall	Participants, Faculty, M Tech 1 st semester students
	9:30 - 11:00	09	Mr.Nagraj Kannan, MD,Dharma Sai Motors, Chennai	Electric mobility Implementation – Road blocks		
	11:00 - 11: 15	High Tea				
	11:15 -12:45	10	Dr.Simhachalam Juttu, Deputy General Manager, ARAI, Pune	Lunch		
Day 5 (15.12.2018)	02:15 - 03:45	11	Mr. Rakesh Mulik, Manager, ARAI, Pune	High Tea	Mech. Conference Hall	Participants, Faculty, M Tech 1 st semester students
	9:30 - 11:00	12	Dr N.H. Walke, Deputy Director, ARAI, Pune	Advances in IC engine power train Technologies		
	11:00 - 11: 15	High Tea				
	11:15 -12:45	13	Dr.M.V. Uchgoankar, Head (HR) & Deputy Director, ARAI, Pune	Lunch		
	12:45 -02:15	Lunch				
	02:15 - 03:30	Valedictory			Mech. Conference Hall	Participants, Faculty, M Tech 1 st semester students



AY 2018-19

5-day Faculty Development Program on
Hybrid and Electric Vehicle Technologies (HEVT '2018)

DEPARTMENT OF MECHANICAL ENGINEERING
MVGR COLLEGE OF ENGINEERING (AUTONOMOUS)

Department faculty participants list:

Sno	Name	Designation
1.	Dr S Adinarayana	Professor
2.	Dr N Ravi Kumar	Professor
3.	Dr I Sudhakar	Assoc.Prof
4.	Sri K Praveen	Assoc.Prof
5.	Dr M K Naidu	Assoc.Prof
6.	Sri B A Ranganath	Assoc.Prof
7.	Dr S Srinivasa Rao	Assoc.Prof
8.	Sri M Anil Prakash	Assoc.Prof
9.	Dr M Siva Subrahmanyam	Assoc.Prof
10.	Dr R S Umamaheswara Raju	Assoc.Prof
11.	Sri K Ajay	Asst.Prof
12.	Sri S Sanyasi Naidu	Asst.Prof
13.	Sri Ch Varun	Asst.Prof
14.	Dr B Madhava Varma	Sr.Asst.Prof
15.	Sri G Satyanarayana	Asst.Prof
16.	Sri G Rajesh	Asst.Prof
17.	Sri M Y Prasada Rao	Asst.Prof
18.	Sri G Veeraiah	Asst.Prof
19.	Sri K Pavan Kumar	Asst.Prof
20.	Sri B Srinivas	Asst.Prof
21.	Sri MD Yousuf Ali	Asst.Prof
22.	Sri G Pramod Kumar	Asst.Prof
23.	Sri S Joshua Kumar	Asst.Prof
24.	Sri N Jagadeesh	Asst.Prof
25.	Sri D Sri Harsha	Asst.Prof
26.	Sri D Santhosh Kumar	Asst.Prof
27.	Sri J V Sandeep	Asst.Prof
28.	Sri P Sreenu	Asst.Prof
29.	Sri S Anil Kumar	Asst.Prof
30.	Sri Aditya Rathore	Asst.Prof



DEPARTMENT OF MECHANICAL ENGINEERING
MVGR COLLEGE OF ENGINEERING (A): VIZIANAGARAM
5-day Faculty Development Program on
Hybrid & Electric Vehicle Technologies (HEVT-2018)
11th - 15th December 2018



S.No.	Name of the Participant	Designation	Department and Address		Signature									
			Dept of ME	Govt. Polytechnic	11.12.18 (FN)	11.12.18 (AN)	12.12.18 (FN)	12.12.18 (AN)	13.12.18 (FN)	13.12.18 (AN)	14.12.18 (FN)	14.12.18 (AN)	15.12.18 (FN)	
1	Dr. P Uganndhar	Sr. Lecturer	Dept of ME	VZM										
2	A. Venkata Swami	Assoc. Prof.	Dept of ME	HYD										
3	B. Satya Krishna	Asst. Prof.	Dept of ME	BMVM										
4	T Rama Krishna	Asst. Prof.	Dept of ME	Eluru										
5	Gari Suryachandra Swamy	Scholar	Dept of ME	Vijayawada										
6	M Gangaraju	Asst. Prof.	Dept of ME	Tirupati										
7	A Radha Krishna	Scholar	Dept of ME	Vijayawada										
8	SK.Hidayatulla Shariff	Assoc prof	Dept of ME	Tagarapurvalas										
9	Dr. Rajendraprasad Name	Assoc prof	Dept of EE	Madanapalle										
10	Dr. R. Prithvirajan	Sr. Asst. Prof.	Dept of ME	Madanapalle										



DEPARTMENT OF MECHANICAL ENGINEERING
MVGR COLLEGE OF ENGINEERING (A): VIZIANAGARAM
5-day Faculty Development Program on
Hybrid & Electric Vehicle Technologies (HEVT-2018)
11th - 15th December 2018



S No.	Name of the Participant	Designation	Department and Address			Signature								
			Dept of	ANITS	VSKP	11.12.18 (FN)	11.12.18 (AN)	12.12.18 (FN)	12.12.18 (AN)	13.12.18 (FN)	13.12.18 (AN)	14.12.18 (FN)	14.12.18 (AN)	15.12.18 (FN)
11	B. Krishna Prudhula	Ass. Prof. & Scholar	Dept of ME	ANITS	VSKP									
12	Y Rawati	Asst. Prof.	Dept of ME	ANITS	VSKP									
13	P Srinivasa Rao	Asst. Prof.	Dept of ME	Pragathi Engineering College Aditya	KKD (E. Guntur)									
14	R.V.R.N. Pavan Kumar	Asst. Prof.	Dept of ME	Engineering College Aditya	KKD									
15	V. Muralidhar	Asst. Prof.	Dept of ME	Engineering College	KKD									
16	DUV Sanyasrayana	Asst. Prof.	Dept of ME	Sasi Institute of Technology	Tadepalligudem									
17	Dr. Ravi Vikranth	Assoe prof	Dept of ME	Sankethika Vidya Parishad	VSKP									
18	G. Lavanya Lakshmi	Asst. Prof.	Dept of ME	AIET	VSKP									
19	B. Jaya Lakshmi	Asst. Prof.	Dept of ME	AIET	VSKP									
20	K. Ch. Sekhar	Assoe prof	Dept of ME	Lendi Institute of Engineering & Technology	VZM									
21	M. Pradeep Kumar	Asst. Prof.	Dept of ME	Lendi Institute of Engineering & Technology	VZM									



DEPARTMENT OF MECHANICAL ENGINEERING
MVGR COLLEGE OF ENGINEERING (A): VIZIANAGARAM
5-day Faculty Development Program on
Hybrid & Electric Vehicle Technologies (HEVT-2018)
11th - 15th December 2018



S No.	Name of the Participant	Designation	Department and Address		Signature										
			Dept of	Dept of	11.12.18 (FN)	11.12.18 (AN)	12.12.18 (FN)	12.12.18 (AN)	13.12.18 (FN)	13.12.18 (AN)	14.12.18 (FN)	14.12.18 (AN)	15.12.18 (FN)		
22	Ramu Garugubilli	Asst. Prof.	Dept of ME	Ayanthi College of Engineering	VSKP	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
23	Adurthi Sai Krishna	P.G Student	Dept of ME	MVGRCE	VZM	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
24	Aggunna Hima Bindu	P.G Student	Dept of ME	MVGRCE	VZM	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
25	Bogala Ashok	P.G Student	Dept of ME	MVGRCE	VZM	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
26	Danda Krupa Nirmala Swaroopa Rani	P.G Student	Dept of ME	MVGRCE	VZM	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
27	Dokala Sravani	P.G Student	Dept of ME	MVGRCE	VZM	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
28	Gandreti Chaitanya Srinivasa Gopi Bharat	P.G Student	Dept of ME	MVGRCE	VZM	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
29	Injarapu Kanak Kumar	P.G Student	Dept of ME	MVGRCE	VZM	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
30	Korupuru Thirumala Sai Srinivas	P.G Student	Dept of ME	MVGRCE	VZM	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
31	Marsiceti Manikantha Nani Suresh	P.G Student	Dept of ME	MVGRCE	VZM	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
32	Nadikoppula Parthasarathi	P.G Student	Dept of ME	MVGRCE	VZM	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
33	Salagrama Narasimha Abhinav	P.G Student	Dept of ME	MVGRCE	VZM	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]

2019-20

MAHARAJ VIJAYARAM GAPATHI RAJ COLLEGE OF ENGINEERING(AUTONOMOUS)

Vijayaram Nagar Campus, Chintalavalasa, Vizianagaram-535005, Andhra Pradesh

Accredited by NAAC with 'A' Grade & Listed u/s 2(f) & 12(B) of UGC

(Approved by AICTE, New Delhi and Permanently Affiliated by JNTUK-Kakinada)

NBA Accredited UG Courses: B.Tech(MEC), B.Tech(CIV), B.Tech(EEE), B.Tech(ECE), B.Tech(CSE), B.Tech(IT),
B.Tech(MEC) & B.Tech(CHE) and PG Course: MBA

AY-2019-2020

**Professional Development/Administrative Trainings of
Non-Teaching Staff**

DEPARTMENT OF MECHANICAL ENGINEERING

MVGR COLLEGE OF ENGINEERING (A)

Name of the program	Resource person	Members attended	Date
Training on Lathe m/c	Sri. G. Pramod MVGRCE (A)	Sri K.Prasada Rao Sri V..Prasada Rao Sri B.Linga Raju	13-11-2019
Training on Pipe bending machine	Sri Ch.Varun, MVGRCE(A)	Sri B.Linga Raju Sri G. Sanjeevi Naidu Sri. V. Raja Shekar	20-11-2019
Training on Sand Testing machine	Sri Ch.Varun, MVGRCE (A)	Sri S.Ramana Murthy Sri B. Ganesh Sri. G. Koteswara Rao	20-11-2019

Training on Lathe machine

No of days: 1 day

Dates: 13th Nov 2019

Trainer: Sri G.Pramod Asst. Prof,
Dept of Mech Engg, MVGRCE

Participants:

Sri K. Prasada Rao

Sri V. Prasada Rao

Sri. B. Linga Raju

