

05<sup>th</sup> Dec 2016,  
Warangal.

To  
The Principal,  
Vaagdevi College of Engineering,  
Bolikunta, Warangal-506003.

\*\*\*Through Proper Channel\*\*\*

Subject: Proposal for conducting a Five-day Training program on "MATLAB and its applications" Reg.,

Respected Sir,

I Mr.Y. Hareesh Kumar of EEE department along with Mr.T. Rajesh planning to conduct a workshop on "MATLAB and its applications" for B.Tech IV year students from Academia. The main objective of this programme is to create awareness on basic concepts related to MATLAB Programming and SIMULINK implementation will be covered Special Emphasis will be given to advanced concepts related to Electrical Engineering. The tentative dates of conducting this program are 09/01/2017 to 13/01/2017. In this regard, please grant the permission and provide the necessary facilities for successful conduction of this programme.

Thank you sir

Forwarded &  
Recommended to  
Principal



Permitted  
by

Sincerely,



Mr. Y. Hareesh Kumar  
Associate Professor,  
EEE Department, VCE



Mr. T. Rajesh  
Assistant Professor  
EEE Department, VCE

## ABOUT THE COURSE

Advancements in Electrical Engineering invariably lead to the development of advanced systems in all the subdomains of the subject area with additional complexity and more precision. As an Electrical Graduate Student, one must have the sound knowledge on the development and validation of these advanced systems in digital simulation. The primary objective of digital simulations is the ability to provide users with practical feedback when designing real world systems. This allows the designer to determine the correctness and efficiency of a design before the system is actually designed. Consequently, the user may explore the merits of alternative designs without actually physically building the systems. By investigating the effects of specific design decisions during the design phase rather than the construction phase, the overall cost of building the system diminishes significantly.

MATLAB® stands for Matrix Laboratory. It was launched by MathWorks Inc. as simple matrix solver back in 1984. Over the years, it has evolved into a complete & most desired software for performing simulations of all sort. It is a general-purpose numerical computations software used for performing symbolic and numerical calculations. It is equipped with various toolboxes that can be helpful for specific tasks. Simulink is a sister software of MATLAB. Simulink provides GUI (Graphical User Interface) based modelling environment, in which one can drag & drop elements from various libraries to build a model. The model can be analyzed using different tools.

To model & simulate electrical power systems, Sim Power Systems tool provides various libraries and analysis tools for modelling and simulation of power systems. Various sub-libraries included in Sim Power Systems are three-phase machines, electric drives, FACTS (Flexible AC Transmission Systems) mode Is , Renewable Energy Systems , Power Electronics models, Power supplies and various active & passive components.

The main objective of this course is to provide the basic knowledge on design and implementation of various applications related to Electric Power Engineering in MATLAB/ SIMULINK environment.

## Patrons

**Sri C. Janga Reddy**

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**Dr. Ch.Devender Reddy**

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**Prof. K.Prakash**

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Dean Student Academics & Industry Interactions

## Convener

**Mr. Y. Hareesh Kumar**

Associate Professor & Head-E.E.E.

## Coordinators

**Mr. Y. Hareeshkumar**

Associate Professor

**Mr. T. Rajesh**

Associate Professor

## Advisory Members

Dr. M. Sailaja Kumari, Professor, NIT Warangal

Dr. Y Chandrasekhar, Asst.Prof, NIT Warangal

Dr. M.Vishnu Prasad, Asst. Prof, VCE

Dr. S.Kayalvizhi, Asst. Prof, VCE

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Mr.P. PurnaChander Rao, Assoc. Prof, VCE

Mr.T.Venugopal, Assoc. Prof,VCE

Mr. B.Nagaraju, Assoc. Prof, VCE

Mrs. Ch.Ushasri, Assoc. Prof, VCE

Mr.Ch.Raju, Assit. Prof, VCE

**Training program on MATLAB  
and its applications  
During (09-01-2017 to 13-01-2017)**



**Coordinators**

**Mr. Y. Hareeshkumar**

**Mr. T. Rajesh**

**Convener**

**Mr. P. Sadanandam**

Associate Professor & Head-E.E.E.

Organized by

**Department of Electrical &  
Electronics Engineering**

Accredited by NBA

**Vaagdevi College of Engineering  
UGC Autonomous**

**Permanently Affiliated to JNTU Hyderabad  
Approved By AICTE**

**An ISO 9001-2000 Certified Institution  
Bollikunta, Warangal-T.S, INDIA- 506005**



## ABOUT THE DEPARTMENT

The Department of Electrical & Electronics Engineering offers U.G and P.G programs. U.G program was established in the year 1998. Two P.G programs includes Power Electronics and Power Systems Control & Automation were established in 2004 and 2012 respectively. The U.G program has been accredited by NBA in the years 2008 and 2017.

The Department comprises of 35 qualified and well experienced faculty. The research work in the department is vibrant with support of Prof. Prakash Kamisheti. The department is having 7 PhD holders and 8 are pursuing their PhDs from reputed institutes and having broad areas of expertise includes Artificial Intelligence, Meta Heuristic Techniques, Distribution Automation, Power System Deregulation, Micro Grid Control, and Application of Power Electronics to Power Quality Improvement, Power Converters and Adjustable Speed Drives.

## Areas Covered in this Course

- Power Quality and Distributed Generation.
- Renewable Energy Systems.
- Adjustable Speed Drives
- Modern Control Techniques for Power Converters.
- Application of Metaheuristic Techniques for Power Systems Optimization Problems.
- Machine Learning Applications to Power Systems and Power Electronics Applications.
- Optimal Power Flow Studies
- Planning of Active Distribution Network.

## Course Outcomes

Participants are able to

- Understand the significance of digital simulations in the implementation of advanced systems in Electrical Engineering.

- Gain the knowledge on various instruction sets and commands for programming in MATLAB environment.
- Gain the knowledge on various tools and components available in Simulink.
- Design the various electrical system applications in MATLAB/SIMULINK environment.
- Implement and validate their ideas related to Electrical Engineering with the help of MATLAB/SIMULINK.

## Course Highlights

- All the basic concepts related to MATLAB Programming and SIMULINK implementation will be covered.
- Special Emphasis will be given to advanced concepts related to Electrical Engineering.
- Individual system with preloaded MATLAB will be provided during laboratory sessions.
- Renowned resource persons from various specializations of Electrical Engineering covers the entire course.
- Relevant Materials will be provided at the end of the course.

**Course Fee:** 500.00Rs per Participant.

**Course Kit:** Certificate, 16 GB pen drive with softwares relevant to course.

**Eligibility:** Final Year B.Tech Electrical and Electronics Engineering and allied branch students from an AICTE Approved institute.

## Contact Details

Mr. Y. Hareeshkumar  
Assistant Professor

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Mobile: +91 9700360963

## Registration Form Training program on MATLAB and its applications applications During (09-01-2017 to 13-02-2017)

Name

Branch

College

Mobile

Email

Amount Paid :

Signature of Student

Signature of Head of the  
Department

**VAAGDEVI COLLEGE OF ENGINEERING**  
BOLLIKUNTA, WARANGAL.  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS**  
**ENGINEERING**

Date: 26th Dec 2016

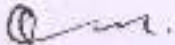
**CIRCULAR**

All the interested B.Tech final year EEE students are informed to register for "Training program on MATLAB and its applications" which is to be held on from 09/01/2017 to 13/01/2017. Interested students can give your names to coordinators and go through the brochure for fee details and schedule.

**Coordinators**

**Y. Hareesh kumar**

**T. Rajesh**

  
**Head of the Department**





**Vaagdevi college of engineering**  
UGC, AUTONOMOUS  
student list for work shop  
A training program on MATLAB and its applications  
(9-01-2017 to 16-01-2017)

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2	13641A0202	SWETHA MARKA	33	13641A0235	NEELA PRIYANKA
3	13641A0203	VANAMALA VAMSHI	34	13641A0236	MAKOTI SANDEEP KUMAR
4	13641A0204	SHARLA SUJATHA	35	13641A0238	ARABALLI PRANATHI
5	13641A0206	NALLA NAVYA	36	13641A0239	YADAGIRI MANASA
6	13641A0207	THIATIPALLY SPANDANA	37	13641A0240	CHERUKUPALLY SUSHMA
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8	13641A0209	KAMISSETTI PRAVALIKA	39	13641A0242	NIHARIKA SILIVERU
9	13641A0210	BADAVATH MOJUNIKA	40	13641A0243	MUSKULA SWETHA
10	13641A0211	DANDU GOWTHAMI	41	13641A0244	VUNDINTI PUNEETH TEJ
11	13641A0212	PANTHANGI HARISH	42	13641A0245	KANTAMANENI SAHANA
12	13641A0213	MACHIKA LAHARIKA GOUD	43	13641A0246	AELIKATTE SHIREESHA
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16	13641A0217	MADIPALLY VENKATESH	47	13641A0250	JANGAM NUTHAN KUMAR
17	13641A0218	REDDY	48	13641A0251	RAYAPURAM MADHU
18	13641A0219	SHOJIB MAHMOOD NIZAMI	49	13641A0252	ADLURI NITHIN KUMAR
19	13641A0220	SADIRAM SAMPATH	50	13641A0253	BERA RAKESH
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21	13641A0223	GAKULA BHARATH KUMAR	52	13641A0255	BANDARI SHIVAKUMAR
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23	13641A0225	KUNAMALLA VAMSHI	54	13641A0257	AKKALA SRUJANA
24	13641A0226	VOJJA KUMAR	55	13641A0258	CHELAMALLA HIMABINDU
25	13641A0227	KOODIANA VENKATESH	56	13641A0259	BANNA ROSHITH KUMAR
26	13641A0228	BANDARI PRIYANKA	57	13641A0260	VARKALA VASUMATHI
27	13641A0229	LENKALAPALLY APARNA	58	13641A0261	GUNDAMALA SWETHA
28	13641A0230	VULIRAVULA SUNNY	59	13641A0262	GUGULOTHU RAJU
29	13641A0231	ERSAVADI LAVANYA	60	13641A0263	ALLE AKHILESH
30	13641A0232	DONT HARABOINA RAMESH	61	13641A0264	THADURI SOUMYA
31	13641A0233	SHEELAM PRUDEEPKUMAR	62	13641A0265	THOTA SATISH



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2	14645A0202	MADUGULA SRINATH SHARMA	32	14645A0232	BEJUKYA SURESH
3	14645A0203	MADIPELLY SURFESH	33	14645A0233	K. SHESHU MADHAV
4	14645A0204	MADARAPU RAJU	34	14645A0234	ELKAPALI LAVANYA
5	14645A0205	MUPPA SHIVA	35	14645A0235	ALETI VIKRANTH
6	14645A0206	VAKADOTH CHANDRAKALA	36	14645A0236	MUSHIKA HARESH
7	14645A0207	SHAGA CHANDU	37	14645A0237	KATTA VINAY
8	14645A0208	MOHAMMED MUIAHID HUSSAIN	38	14645A0238	AJMEERA RAJESH NAYAK
9	14645A0209	UPPOJI VISHNU	39	14645A0239	KOMMULA MOUNIKA
10	14645A0210	TUMMETI CHAITANYA	40	14645A0240	DARAVATH SANTHOSH
11	14645A0211	YADALA PAVAN KUMAR	41	14645A0241	DASARI KRISHNA CHAITHANYA
12	14645A0212	ITHA RIFITH	42	14645A0242	VANKUDOTHU CHINTU
13	14645A0213	MADE VENKATESH	43	14645A0243	POLEPAKA HAVELA
14	14645A0214	GUNDEBOINA RANJITH KUMAR	44	14645A0244	RODDA KRISHNA
15	14645A0215	BHUKYA RAVINDHAR	45	14645A0245	MANDHA SAGAR
16	14645A0216	EDUNURI RAMAKANTH	46	14645A0246	VYAMASANI KRANTHI KUMAR
17	14645A0217	BIJA SWARNA	47	12641A02A4	TEEDLA MAHESH
18	14645A0218	YAKARAPU BHARATHI	48	13791A0205	HANOTHU RAMESH KUMAR (FR)
19	14645A0219	KANDULA SAIKRISHNA	49	11641A02C1	PUNNAM CHANDER CHILUKA
20	14645A0220	MALLELA AKHIL	50	12641A02B5	G. SHANTHI KUMAR
21	14645A0221	PAGADALA SATYANARAYANA	51	12641A0212	P. AKHILESH
22	14645A0222	LAVUDYA SURESH			
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24	14645A0224	MEDISHETTI KIRAN SAI KUMAR			
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28	14645A0228	MALOTH ATIMA RAO			
29	14645A0229	PLNATI SHRAVYA			
30	14645A0230	GUGULOTH NAGESH			

Co-ordinators  
Y.Harcesh kumar  
T.Rajesh

Head Of The Department





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Co-ordinators  
Y.Hareesh kumar  
T.Rajesh

*(Handwritten signatures)*

*(Handwritten signature)*  
Head Of The Department