



MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

Maisammaguda, Dhullapally (post via Kompally) Secunderabad-500100

Department of Civil Engineering

Ref /MREC/CE/VCA/2016/05

Date: 30.11.2016

Circular

The department of Civil Engineering is organizing Value added course on “Training program on MAT lab” from 5th to 9th December, 2016. The resource person for the program is Dr.Srinivas Reddy.

All the students must register for the training by consulting the coordinator Mr.B.Vamshi Krishna Assistant Professor, Civil Department. The detailed schedule will be displayed on the Department notice board.

HOD-CE

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Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100



Advisory Committee:

Chief Patrons: Sri. Ch. Malla Reddy,

Founder Chairman

Malla Reddy Group of Institutions

Patrons: Sri.Ch. Mahender Reddy

Secretary, MRGI

Dr.Ch.Bhadra Reddy

President, MRGI

Co-Patrons: Dr. Sudhakar Reddy

Principal, MREC (A)

Convener: Dr. M. Kameswara Rao

HOD CIVIL

Coordinator: Mr. B. Vamshi Krishna

Assistant Professor, CIVIL

Organizing Committee:

Dr.J. Selwyn Babu, Professor, Civil

Dr.C.Srinivas Gupta, Professor, Civil

Dr.P.Saritha, Associate Professor, Civil

Dr.R. Prasanna Kumar, Professor, Civil

Dr.G.Suresh, Associate Professor, Civil

E.Rakesh Reddy, Assistant Professor, Civil

A. Naga Saibaba, Assistant Professor, Civil

R. Sumathi, Assistant Professor, Civil

K. Harshada, Assistant Professor, Civil

B. Vamsi Krishna, Assistant Professor, Civil

K. Naga Sujatha, Assistant Professor, Civil

Ch. Sanjeeva Sagar, Assistant Professor, Civil

C.Naga Chaitanya, Assistant Professor, Civil

A. Vinod Reddy, Assistant Professor, Civil



A Five Day Skill development Course

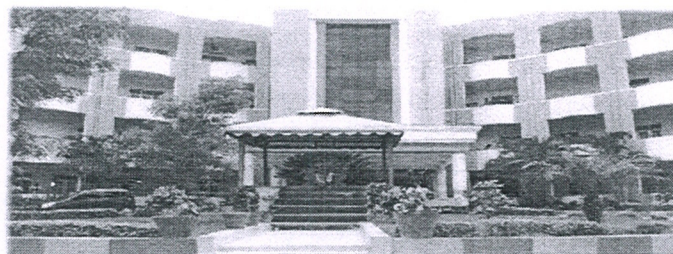
(Value added Course)

On

“Training Program on MAT Lab”

(5th to 9th December, 2016)

In Association with



Organized by

Department of Civil Engineering

MALLA REDDY ENGINEERING COLLEGE

(AUTONOMOUS) MAIN CAMPUS

An UGC Autonomous Institution, Approved by

AICTE & Affiliated to JNTUH-Hyderabad

Reaccredited by NAAC with 'A' Grade (II Cycle)

Maisammaguda(H), Gundlapochampally (V),

Medchal (M), Medchal - Malkajgiri District

Telangana - 500100, India.

Registration Form:

*A Five Day Skill development Course
(Value added Course)*

On

“Training Program on MAT Lab”

(5th to 9th December, 2016)

1.Name.....

2.Roll No.....

3.Department.....

4.Mailing address.....

5.Mobile.....

6.Email.....

Signature of the Applicant

Date:

Place:

This is to certify that

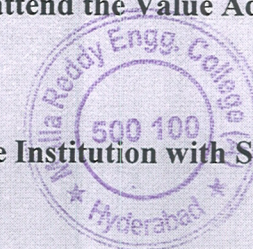
Mr/Ms.....of.....

Is sponsored to attend the Value Added Course

Signature of the Institution with Seal

Date:

Place:



About the Institution

Malla Reddy Engineering College (Autonomous) is one of the reputed engineering colleges in Hyderabad, Telangana. **MREC (A)** is part of Malla Reddy Group of Institutions (MRGI), founded by Sri. Ch. Malla Reddy. The college is situated in a serene lush green environment in Maisammaguda, Gundlapochampally, Medchal(M), Mechal-Malkajgiri District, Telangana-500100.

The college was established in 2002 and is an autonomous institution approved by UGC and affiliated to JNTUH. The college is re-accredited by NAAC with 'A' Grade (II Cycle) and was conferred autonomous status by JNTUH in 2011 and by UGC in 2014 for a period of 6 years. Our eligible UG and PG programs received NBA accreditation and some of them received reaccreditation too. Along with programs in various streams of Engineering & Technology and Management. It boasts of world-class infrastructure and well-equipped laboratories in all departments and is skillfully and smartly guided by **Dr. Sudhakar Reddy, Principal, MREC (A)** who have a rich teaching and industrial experience.

About the Department:

The Department of Civil Engineering at MREC has been producing high quality technical manpower needed by industry, R&D organizations, and academic institutions since 2004 with an Intake of 60. The intake has been increased to 120 in the year 2009 and 180 in the year 2014. The Department started offering

M.Tech with Structural Engineering specialization in 2010 with an intake of 18, two more courses at P.G level- geotechnical engineering and transportation engineering are being offered from the academic year 2013-2014 with an intake of 24 each. The department was accredited by NBA in the year 2014.

Overview of the Programme:

The primary responsibility of student is not only to study towards a higher vision but also create a strong sense of bonding between the institution and the students to nurture a stress-free holistic environment. To enhance the quality of life for the students enabling them to introspect and learn techniques that imbibe ethics & morals in their teaching and help pre-prepare students for active and successful participation in a modern society, producing individuals of high character, probity and honor.

Proposed VAC is helping to imbibe the skills and competencies required to achieve goals directed by values, to maintain and enhance faculty effectiveness by inculcating dynamism and leadership qualities and to develop commitment and ethical approach towards work, and instill a sense of responsibility towards the institution. Also to enhance communication and soft skills by introducing innovative teaching methodologies and developing an inter-personal connection with students. To achieve this goal, Art of Living foundation is conducting this workshop through ATAL.

Objectives of the Programme:

- To imbibe the skills and competencies required to achieve goals directed by values.
- To maintain and enhance student effectiveness by inculcating dynamism and leadership qualities.
- To develop commitment and ethical approach towards work, and instill a sense of responsibility towards the companies.
- To enhance communication and soft skills of the students by introducing innovative methodologies and developing an interpersonal connection.

Topics to be covered:

- ❖ Desktop basics
- ❖ Matrices and arrays
- ❖ Array indexing

Test and Certificate:

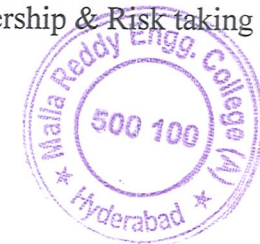
A test will be conducted at the end of the program and the certificates shall be issued to those participants

Outcome of the Program:

After completing the Course, the student will itself feel the difference in terms of:

- Enhanced Potential, Fair-mindedness
- Empathetic behavior & Optimistic attitude
- Dynamism, Commitment and Confidence
- Ethical Leadership & Risk taking ability

DR. SUDHAKAR REDDY, PRINCIPAL
Malla Reddy Engineering College (Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100





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Maisammaguda (H), Medchal-Malkajgiri District, Telangana State – 500100

SYLLABUS "TRAINING PROGRAM ON MATLAB"

MATLAB is a programming language developed by Math Works. It started out as a matrix programming language where linear algebra programming was simple. It can be run both under interactive sessions and as a batch job. This tutorial gives you aggressively a gentle introduction of MATLAB programming language. It is designed to give students fluency in MATLAB programming language. Problem-based MATLAB examples have been given in simple and easy way to make your learning fast and effective.

The Language of Technical Computing

Millions of engineers and scientists worldwide use MATLAB[®] to analyze and design the systems and products transforming our world. The matrix-based MATLAB language is the world's most natural way to express computational mathematics. Built-in graphics make it easy to visualize and gain insights from data. The desktop environment invites experimentation, exploration, and discovery. These MATLAB tools and capabilities are all rigorously tested and designed to work together.

MATLAB helps you take your ideas beyond the desktop. You can run your analyses on larger data sets, and scale up to clusters and clouds. MATLAB code can be integrated with other languages, enabling you to deploy algorithms and applications within web, enterprise, and production systems.

Tutorials

- **Desktop Basics**

Enter statements at the command line and view results.

- **Matrices and Arrays**

MATLAB operates primarily on arrays and matrices, both in whole and in part. A matrix is a two-dimensional array often used for linear algebra.

- **Array Indexing**

Variables in MATLAB are typically arrays that can hold many numbers. When you want to access selected elements of an array, use indexing.

- **Workspace Variables**

The workspace contains variables that you create within or import into MATLAB from data files or other programs.



- **Text and Characters**

Create string arrays for text, or create character arrays for data.

- **Calling Functions**

MATLAB provides a large number of functions that perform computational tasks. To call a function, enclose its input arguments in parentheses.

- **2-D and 3-D Plots**

Graphics functions include 2-D and 3-D plotting functions to visualize data and communicate results.

- **Programming and Scripts**

Programming

When you have a sequence of commands to perform repeatedly or that you want to save for future reference, store them in a program file. The simplest type of MATLAB[®] program is a script, which contains a set of commands exactly as you would type them at the command line. For additional programming flexibility, create functions which accept input and return outputs. When you have specialized data structures or require many functions to interact with special kinds of data, create classes using object-oriented programming techniques.

- **Scripts**

Basic program files

- **Functions**

Programs that accept inputs and return outputs

- **Live Scripts and Functions**

Program files that can include formatted text, images, and output to explain the code

- **Classes**

Create new types of objects to use in MATLAB using object-oriented programming

- **Files and Folders**

File operations, MATLAB search path

- **Programming Utilities**

Evaluate expressions or functions indirectly, obfuscate code, set timers, handle exceptions

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The simplest type of MATLAB program is called a script. A script contains a sequence of commands and function calls.

- **Help and Documentation**

All functions have supporting documentation that includes examples and describes the function inputs, outputs, and calling syntax.



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Maisammaguda (H), Medchal-Malkajgiri District, Telangana State – 500100

VAC ENROLLED LIST

Training program on MAT Lab (05-12-2016 to 09-12-2016)

Sl.No.	Roll No.	Name
1	15J41D2001	ALLA MANIKANTA
2	15J41D2002	B NARESH GOUD
3	15J41D2003	BOLLAM NAGANJANEYULU
4	15J41D2004	ELURI PRAPUL KUMAR
5	15J41D2005	GANESH KUMAR
6	15J41D2006	KOMMAREDDY SINDHUJA
7	15J41D2007	MAMENDLA RAJAMMA RAJESH
8	15J41D2008	MUGDHA RAJUKAR
9	15J41D2009	P MANISH VARMA
10	15J41D2010	P SOMA SEKHAR
11	15J41D2011	PARNANDI SRAVAN KUMAR
12	15J41D2012	PENMETHSA HIMA BINDHU
13	15J41D2013	PERSIS ANGELINA PETER
14	15J41D2014	POTHULA RAJESH
15	15J41D2015	RAMAVATH PANDU
16	15J41D2016	ROHAN MAMIDI
17	15J41D2017	KARANAM SAIKRSHNA
18	15J41D2018	C.SATYAVIJET
19	16J41D2001	BANDARAM KIRANMAI
20	16J41D2002	BIRKUR ALEKHYA
21	16J41D2003	CHAITANYA KISHORE P
22	16J41D2004	CHILUPURI KOMALATHA
23	16J41D2005	DEVAGIRI SIVA RAMA KRISHNA REDDY
24	16J41D2019	YARRAMADA DIVYA


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Maisammaguda (H), Medchal-Malkajgiri District, Telangana State – 500100

DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR: 2016-17
SUMMARY REPORT

Value Added course name: Training Program on MAT Lab

Value Added course Instructor: Dr.Srinivas Reddy

MATLAB helps you take your ideas beyond the desktop. You can run your analyses on larger data sets, and scale up to clusters and clouds. MATLAB code can be integrated with other languages, enabling you to deploy algorithms and applications within web, enterprise, and production systems.



B. V.
Co-Ordinator

Ambo
HOD

Joy
Principal
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CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. MUGDHA RAJUKAR bearing
Roll No. 15J41D2008 has successfully completed Certificate / Value Added
Course / Workshop in Training Program on MATLAB conducted
by the Department of Civil Engineering from 05/12/2016 to 09/12/2016

13.2 →

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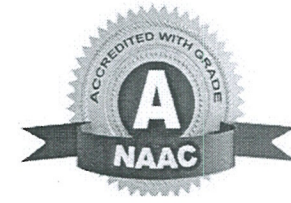


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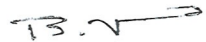
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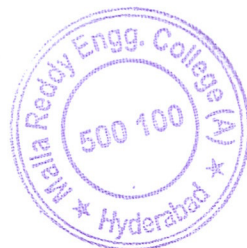


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This is to certify that Mr./Ms. P MANISH VARMA bearing
Roll No. 15J41D2009 has successfully completed Certificate / Value Added
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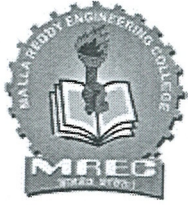


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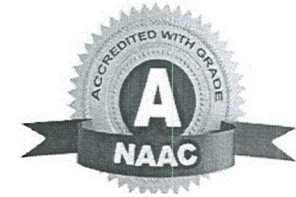


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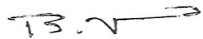
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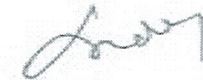
This is to certify that Mr./Ms. P SOMA SEKHAR bearing
Roll No. 15J41D2010 has successfully completed Certificate / Value Added
Course / Workshop in Training Program on MATLAB conducted
by the Department of Civil Engineering from 05/12/2016 to 09/12/2016



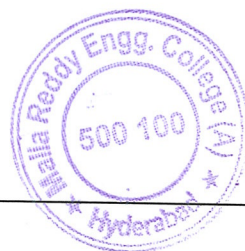
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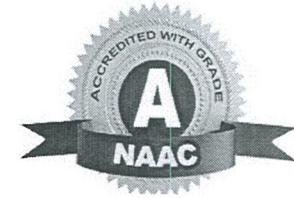


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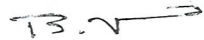
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CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. PARNANDI SRAVAN KUMAR bearing
Roll No. 15J41D2011 has successfully completed Certificate / Value Added
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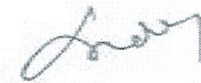
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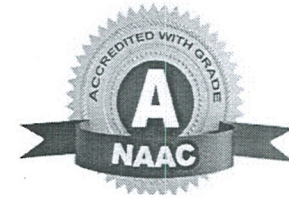


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This is to certify that Mr./Ms. PENMETHSA HIMA BINDHU bearing
Roll No. 15J41D2012 has successfully completed Certificate / Value Added
Course / Workshop in Training Program on MATLAB conducted
by the Department of Civil Engineering from 05/12/2016 to 09/12/2016

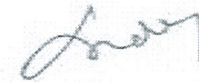


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