



MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad.

Accredited 2nd time by NAAC with 'A' Grade,

Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad,

Telangana State – 500100, www.mrec.ac.in

Department of Civil Engineering

Ref /MREC/CE/VCA/2017/03

Date: 08.12.2017

Circular

The department of Civil Engineering is organizing Value added course on “Training program on MAT lab” from 12th to 15th December, 2017. The resource person for the program is Dr.Srinivas Reddy and Dr.Ashok Kumar Pandey.

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





PRINCIPAL
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.R. Prasanna kumar
HOD CIVIL

Coordinator 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
B.J.Vishwanath,, Assistant Professor, Civil
E.Rakesh Reddy, Assistant Professor, Civil
A. Naga Saibaba. Assistant Professor, Civil
R. Sunilhi. Assistant Professor, Civil
K. Harshada, Assistant Professor, CIVIL
B. Vamshi Krishna, Assistant Professor, Civil
K. Naga Sujatha, Assistant Professor, Civil
P.Suresh Chandra Babu, Assistant Professor,
Civil
L.M.Varun, Assistant Professor, Civil

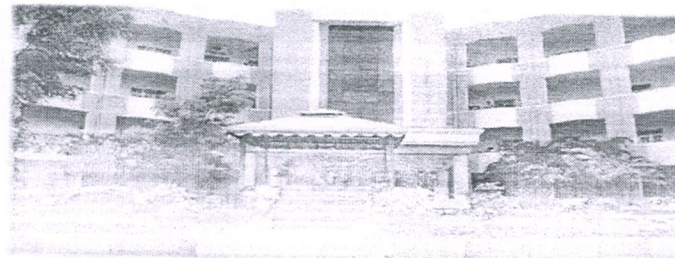


*A Four Day Skill development Course
(Value added Course)*

On

**“Training Program on MAT Lab”
(12^h to 15th December, 2017)**

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 Four Skill development Course
(Value added Course)*

On

**“Training Program on MAT Lab”
(12^h to 15th December, 2017)**

1.Name.....

2.Roll No.....

3.Department.....

4.Mailing address.....

5.Mobile.....

6.Email.....

Signature of the Applicant

Date:

Place:

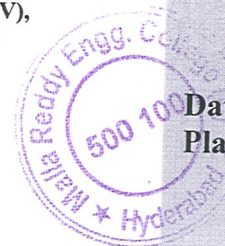
This is to certify that

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-Malkajiri 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



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SYLLABUS

“TRAINING PROGRAM ON MAT LAB”

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
- 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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VAC ENROLLED LIST
Training program on MAT lab (12th to 15th December 2017)

| Sl.No | Roll No | Name |
|-------|------------|-----------------------|
| 1 | 17J41D2001 | A M SATYA SRAVYA |
| 2 | 17J41D2002 | BACHUWAR PRANEETH |
| 3 | 17J41D2003 | BALAM SHRAVANI |
| 4 | 17J41D2004 | BINIMOL BABU |
| 5 | 17J41D2005 | C E JESSIE MONICA |
| 6 | 17J41D2006 | DUTA RAJASHEKAR |
| 7 | 17J41D2007 | GARIDE RAKESH RAO |
| 8 | 17J41D2008 | GOPALDAS PRASHANTH |
| 9 | 17J41D2009 | GOPIDI ANUSHA |
| 10 | 17J41D2010 | KASA NAVIN KUMAR |
| 11 | 17J41D2011 | KATHAVATH RAJITHA |
| 12 | 17J41D2012 | KOTHAKONDA RAMESH |
| 13 | 17J41D2013 | KUCHANA SHIVA PRASAD |
| 14 | 17J41D2014 | M AFRIN |
| 15 | 17J41D2015 | MD TAQUIUDDIN |
| 16 | 17J41D2016 | MOHAMMAD ABDUL KAMRAN |
| 17 | 17J41D2017 | MOHD ABDUL GHANI |
| 18 | 17J41D2018 | MULKUTLA HARSHITHA |
| 19 | 17J41D2019 | PADAKANTI RAKESH |
| 20 | 17J41D2020 | PATHA USHASRI |
| 21 | 17J41D2021 | S N JAYA KUMAR |
| 22 | 17J41D2022 | SOMA KARTHIK |
| 23 | 17J41D2023 | VASARI NARESH |
| 24 | 17J41D2024 | YARRAMADA DIVYA |


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

DEPARTMENT OF CIVIL ENGINEERING

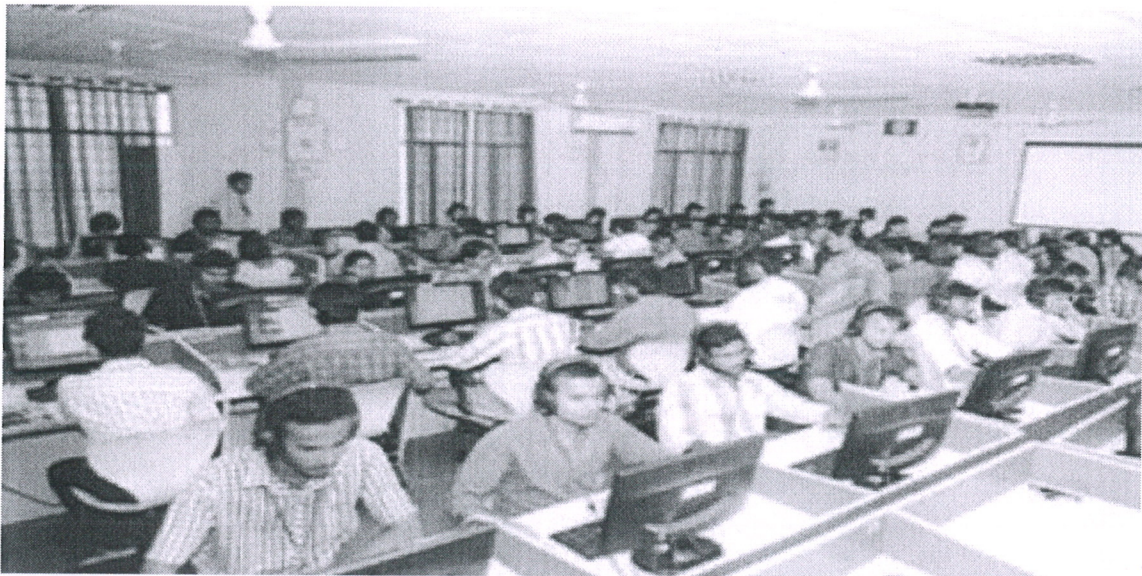
ACADEMIC YEAR: 2017-18

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.2

Co-Ordinator

R.P.C.

HOD

Dr.

Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100

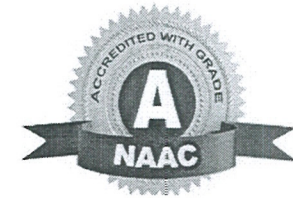


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CERTIFICATE OF COMPLETION

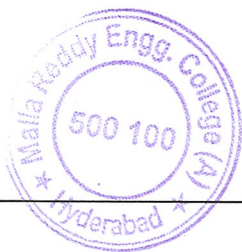
This is to certify that Mr./Ms. AM SATYA SRAVYA bearing
Roll No. 17J41D2001 has successfully completed Certificate / Value Added
Course / Workshop in Training Program on MATLABS conducted
by the Department of Civil Engineering from 12/12/2017 to 15/12/2017

T.S.V

COORDINATOR

HOD

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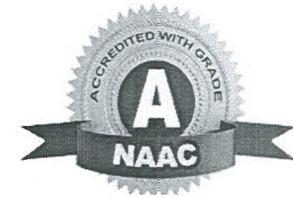


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CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. BACHUWAR PRANEETH bearing
Roll No. 17J41D2002 has successfully completed Certificate / Value Added
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by the Department of Civil Engineering from 12/12/2017 to 15/12/2017

B.V

COORDINATOR



R.P.G.

HOD

Praveen

PRINCIPAL

Praveen
Malla Reddy Engineering College
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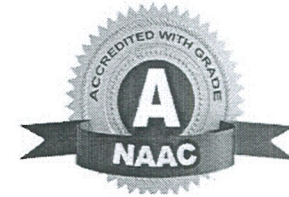


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CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. BALAM SHRAVANI bearing
Roll No. 17J41D2003 has successfully completed Certificate / Value Added
Course / Workshop in Training Program on MATLABS conducted
by the Department of Civil Engineering from 12/12/2017 to 15/12/2017

B.S.V

COORDINATOR



[Handwritten Signature]

HOD

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[Handwritten Signature] PRINCIPAL

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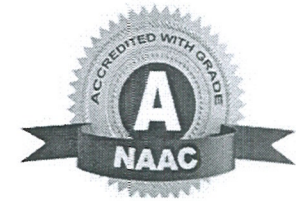


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CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. BINIMOL BABU bearing
Roll No. 17J41D2004 has successfully completed Certificate / Value Added
Course / Workshop in Training Program on MATLABs conducted
by the Department of Civil Engineering from 12/12/2017 to 15/12/2017

T.B.V.

COORDINATOR

R.P.G.

HOD

[Signature]

[Signature] PRINCIPAL

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