



MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

Maisammaguda, Dhullapally (post via Kompally) Secunderabad-500100

Department of Civil Engineering

Ref /MREC/CE/VCA/2015/06


Date: 28.10.2015

Circular

The department of Civil Engineering is organizing Value added course on “Importance of software’s in Civil Engineering” from 3rd to 6th November 2015. The resource person for the program is Dr.Srinivasulu.

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.P.Rajashekar
HOD CIVIL

Coordinator: B.Vamshi Krishna
Assistant Professor, CIVIL

Organizing Committee:

Dr. M. Kameswara Rao, Professor, Civil
Dr.C.Srinivas Gupta, Professor, Civil
Dr.P.Saritha, Associate Professor, Civil
Dr.T.N.Vamsi Krishna, Assoc.Prof., 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

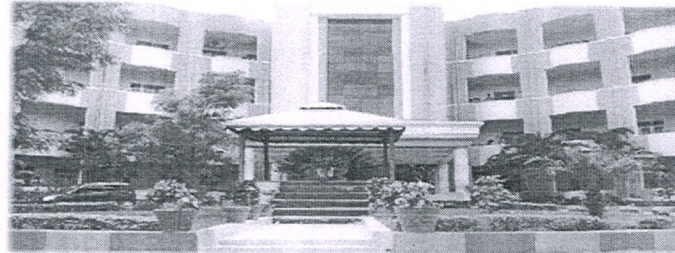


*A Four Day Skill development Course
(Value added Course)*

On

**“Importance of Softwares in Civil
Engineering constructions”
(3rd to 6th November, 2015)**

In Association with



Organized by

**Department of Civil Engineering
MALLA REDDY ENGINEERING COLLEGE**

(AUTONOMOUS) MAIN CAMPUS

An UGC Autonomous Institution, Approved by

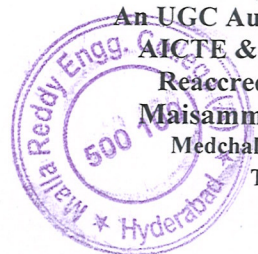
AICTE & Affiliated to JNTUH-Hyderabad

Reaccredited by NAAC with 'A' Grade

Maisammaguda(H), Gundlapochampally (V),

Medchal (M), Medchal - Malkajgiri District

Telangana - 500100, India.



Registration Form:

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

On

**“Importance of Softwares in Civil
Engineering constructions”
(3rd to 6th November, 2015)**

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 offering M.Tech with 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:

- Civil Engineering softwares.
- Autocad.
- Staadpro.
- Etabs.

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

SYLLABUS

IMPORYTANCE ON SOFTWARES IN CIVIL ENGINEERING CONSTRUCTION

Civil Engineering Software is becoming an essential part of every project work. As infrastructure development is playing a very important role in the growth of any country, the amount of software serving Civil Engineering and design needs is increasing tremendously.

Civil Softwares has the major function to reduce man work, increase speed and reduce human error with authentic information on board. There is various software for civil engineering developed for different work. Today's software can store data, analyze data and guide engineers for future project work.

High-rise buildings with no height limits are constructed with the **use of civil engineering software**. Take the example of the world's tallest building Burj Khalifa having 828 m in height and 160 stories. With the help of software, we can create 2D and 3D models of buildings before construction and analysis their strength, behavior, and safety.


In this article, we will discuss about **Top 15 Software Used In Civil Engineering**

1. AutoCAD

The **Full form of CAD is a computer-aided software** drafting program. **AutoCAD** is used for various applications like creating blueprints for buildings, bridges, and computer chips to name a few. **AutoCAD** is mainly used for **2D and 3D computer-aided drafting** software applications. It is one of best civil engineering software.

Since 1982 it was a desktop application and commercial software. Since 2010, it is available on mobile platforms, web, and cloud-based apps and known as AutoCAD 360.




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2. SAP 2000

SAP2000 has full form Structural Analysis Program 2000. **SAP2000** is one of the best design software and structural analysis software developed by Computer and Structures, Incorporated (CSI), a structural and earthquake engineering company.

SAP2000 is the most useful **software for civil engineering work**; it is suitable for structural analysis and design type of work. It has various design applications like 2D and 3D structural models of simple geometry to complex, may be modeled, analyzed, designed, and optimized using a practical.

Its importance can be known from the fact that the civil engineers can begin with their designs and then they can go for analysis and the software tells them how the structure will behave under the applied conditions set by the operator.

3. Staad Pro

STAAD Pro full form as **Structural Analysis and Design**. It is extensively used for the design and analysis of buildings, towers, bridges, transportation, industrial and utility structures. It allows the structural engineer to automate their work by removing the tedious and long procedures of the manual methods. This software allows the **structural engineer to analyze and design virtually any type of structure**.

4. ETABS

ETABS is a short form of "Extended 3D **Analysis of Building System**". *ETABS* is designed by Computers and Structures, Inc. which is globally recognized as the leader in structural engineering analysis and design software for structural and earthquake engineering.

The *ETABS* is a fully integrated software package for the structural design and analysis of buildings. It is a result of more than 40 years of research and development; it offers 3D model design and visualization tools. Its powerful design has various design materials, and graphical design board, drawing that allows users to quickly and easily interrelate and understand analysis and design results.

Joey



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

VAC ENROLLED STUDENTS LIST
IMPORTANCE OF SOFTWARE'S IN CIVIL ENGINEERING CONSTRUCTIONS
(03rd to 06th November, 2015)

Sl. No	Roll No	Name
1	13J41A0101	ADDHUZ RAHUL YADAV
2	13J41A0102	A. NITHIN
3	13J41A0103	ANUPALA NAGARAJU
4	13J41A0104	ARKA MAHARSHI
5	13J41A0105	BALLIKONDA NIKHIL
6	13J41A0107	BODDU ARUNA KUMARI
7	13J41A0108	BOINE NAGARJUNA YADAV
8	13J41A0109	BOTLA BHANUCHANDRA PRAKASH
9	13J41A0110	C.E.JESSIE MONICA
10	13J41A0111	CHANDAN PRASAD
11	13J41A0112	CHETTUKINDI RAKESH
12	13J41A0113	C. NANDESHWARA REDDY
13	13J41A0114	CR. NAVEEN TEJA
14	13J41A0115	DUSSA ARUN
15	13J41A0116	E. HARSHA VARDHAN REDDY
16	13J41A0117	GOLAPALLI VINAYKANTH REDDY
17	13J41A0118	G. SREEKANTH GOUD
18	13J41A0119	J. SANDHYA RANI
19	13J41A0120	JADHAV AJAY KUMAR
20	13J41A0121	J. SAI KIRAN
21	13J41A0122	ANITHA JAKKA
22	13J41A0123	J. SURYA SATYA NARAYANA RAJU
23	13J41A0124	JANNU SHISIRA
24	13J41A0125	K MANOJ NAIDU
25	13J41A0126	K ASHWINI BHARATHI
26	13J41A0127	KANDULA PRANAY KUMAR REDDY
27	13J41A0128	KOLIPAKA SHIVA NANDINI
28	13J41A0129	KOMARAM KALPANA
29	13J41A0130	KRISHNA ASISH KONDAPALLY VENKATA
30	13J41A0131	L. SRIKANTH
31	13J41A0132	M. SRINATH KUMAR
32	13J41A0133	M. SHRAVAN KUMAR
33	13J41A0134	MADAMACHI MANI CHAKRAVARTHY
34	13J41A0135	MOHAMMAD AMEIR



35	13J41A0136	MOHAMMAD RAYYAN
36	13J41A0137	MOHAMMED WASIM AKRAM
37	13J41A0138	MOHAMMED YASEEN
38	13J41A0139	MORAPALLY SRIVANI
39	13J41A0140	M. GANESH
40	13J41A0141	MUZAVAR RUHUL BAIG
41	13J41A0142	NANDYALA MANITH REDDY
42	13J41A0143	PANYALA SAI TEJA
43	13J41A0144	PATLOLLA BHAVANI
44	13J41A0145	PHULJALE ROHITH KUMAR
45	13J41A0146	PINGILI RAVEEN REDDY
46	13J41A0147	PINNABATLA BHARADWAJ
47	13J41A0148	P. SRIKAR
48	13J41A0149	PULLIVARTHI YESUBABU
49	13J41A0150	PUPPALA SATHVIK KUMAR
50	13J41A0151	PUTTAMONI HARITHA
51	13J41A0152	S. ASLAMBASHA
52	13J41A0153	S. MAHENDER REDDY
53	13J41A0154	SARGAM VIKAS
54	13J41A0155	SHAIK MAHAMMAD IRFAN
55	13J41A0156	SINGURU KALYAN RAO
56	13J41A0157	TARLADA SRI HARSHA
57	13J41A0158	TATIPALLY ARAVIND RAO
58	13J41A0159	YAPARU PRANAVI
59	13J41A0160	Y. PRAVEEN
60	14J45A0101	CHINNAKOMALAI AHGARI AMRUTHA
61	14J45A0102	M. MADHU
62	14J45A0103	DEVAVATH NARESH
63	14J45A0104	PUNNA TEJA
64	14J45A0105	ALALA MAMATHA
65	14J45A0106	GUDIPADU RANADHEER
66	14J45A0107	NITTURI MAHESH
67	14J45A0108	ELMULA YOGESH
68	14J45A0109	JHADI PRAMOD
69	14J45A0110	MAMIDI KAVYA
70	14J45A0111	B. SRIKANTH
71	14J45A0112	VASAMCHETTY DURGA PRASAD
72	12J41A0115	GOGGA MALLIKARJUN
73	13J41A0161	ALETI. RAJSHEKAR
74	13J41A0162	ACHANNAGARI SHRAVAN
75	13J41A0163	A.BHIM RAO
76	13J41A0164	AVVOLLA MAHESHWARI
77	13J41A0165	B.SRINATH
78	13J41A0166	BUDDE AJAY KUMAR
79	13J41A0167	CH SAI CHARAN NAIK



80	13J41A0168	CHANDAN MEHRA
81	13J41A0169	CHINTALA PRAVEEN
82	13J41A0170	D MAHESH
83	13J41A0171	DVIJAY KUMAR
84	13J41A0172	DAKA VASANTH NATH REDDY
85	13J41A0173	ELURI SANJAY
86	13J41A0174	GADDAM NITHIN KUMAR
87	13J41A0175	GAJULA SHIVAGANESH
88	13J41A0176	G.RAVI TEJA
89	13J41A0177	GOUDLA REVANKUMAR GOUD
90	13J41A0178	JADHAV ANUP KUMAR
91	13J41A0179	JAKKAMPUDI PRUDVI
92	13J41A0180	KARASALA SAI GOPI
93	13J41A0181	KARNE SAI KUMAR
94	13J41A0182	KASIREDDY GAYATHRI
95	13J41A0183	KOKKULA AKASH
96	13J41A0185	MACHINENI KIRAN KUMAR
97	13J41A0186	MANDA PRANITH
98	13J41A0187	MANDHA MARUTHI
99	13J41A0188	MOHD SULTAN MOINUDDIN
100	13J41A0189	BHAVANI PRASAD.MEDICHERLA


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

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR: 2015-16

SUMMARY REPORT

Value Added course name: Importance of Softwares in Civil Engineering Constructions

Value Added course Instructor: Dr. Srinivasulu

Many software programs are available for each discipline of civil engineering. Most civil engineers practice in specialized subsets of civil engineering such as geotechnical engineering, structural engineering, transportation engineering, hydraulic engineering etc. The trend to implement software programs into the civil engineering industry began as educational concerns for the future as civil engineering prepared to enter the twenty-first century. Today, these concerns and trends are centered on the continuing education unit which have become required as part of maintaining the professional license.



B. T
Co-Ordinator

Prabhu
HOD

Joey
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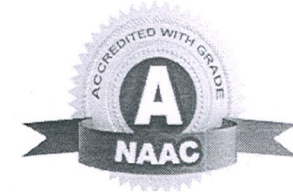


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CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. A.RAHUL YADAV bearing Roll
No. 13J41A0101 has successfully completed Certificate / Value Added
Course / Workshop in Importance of Softwares in Civil Engineering conducted
by the Department of Civil Engineering from 03/11/2015 to 06/11/2015

13.11

COORDINATOR



Rahul

HOD

Ramesh

Principal

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

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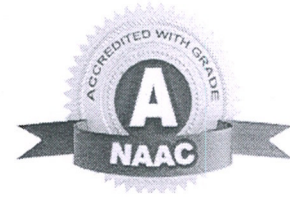


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CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. A.NITHIN bearing Roll
No. 13J41A0102 has successfully completed Certificate / Value Added
Course / Workshop in Importance of Softwares in Civil Engineering conducted
by the Department of Civil Engineering from 03/11/2015 to 06/11/2015

B.N

COORDINATOR

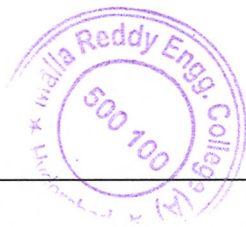
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Principal
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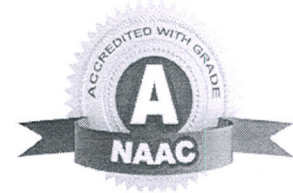


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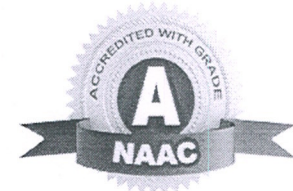


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CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. A.NAGARAJU bearing Roll
No. 13J41A0103 has successfully completed Certificate / Value Added
Course / Workshop in Importance of Softwares in Civil Engineering conducted
by the Department of Civil Engineering from 03/11/2015 to 06/11/2015

13.2
COORDINATOR



HOD

Principal
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Maisammaguda, Dhulapally,
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PRINCIPAL

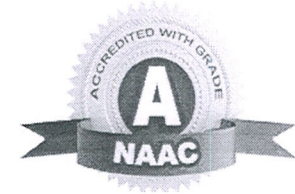


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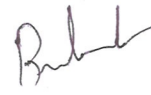


CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. A.MAHARSHI bearing Roll
No. 13J41A0104 has successfully completed Certificate / Value Added
Course / Workshop in Importance of Softwares in Civil Engineering conducted
by the Department of Civil Engineering from 03/11/2015 to 06/11/2015

B.V

COORDINATOR


HOD



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