



# MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

Maisammaguda, Dhullapally (post via Kompally) Secunderabad-500100

## Department of Civil Engineering

Ref /MREC/CE/VCA/2016/03

Date: 29.09.2016


### Circular

The department of Civil Engineering is organizing Value added course on “Introduction to REVIT Architecture” from 4<sup>th</sup> to 7<sup>th</sup> October 2016. The resource person for the program is Professor Dr.Srikanth Koniki.

All the students must register for the training by consulting the coordinator Dr.C.Srinivas Gupta Professor, Civil Department. The detailed schedule will be displayed on the Department notice board.

  
HOD-CE



  
PRINCIPAL  
Malla Reddy Engineering College  
(Autonomous)  
Maisammaguda, Dhullapally  
(post via Kompally), Secunderabad

**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:** Dr.C. Srinivas Gupta

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



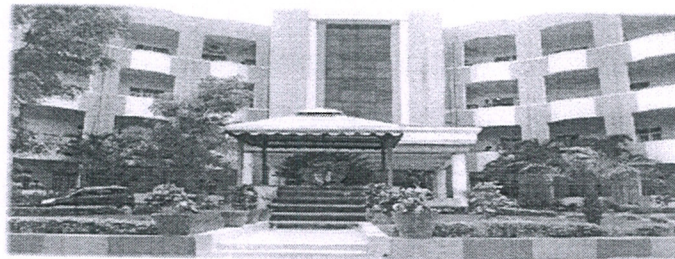
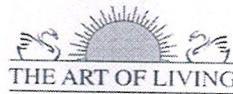
*A Four Day Skill development Course  
(Value added Course)*

*On*

*“Introduction to Revit Architecture”*

*(4<sup>th</sup> to 7<sup>th</sup> October, 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 Four Day Skill development Course  
(Value added Course)*

*On*

*“Introduction to Revit Architecture”*

*(4<sup>th</sup> to 7<sup>th</sup> October, 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.....**

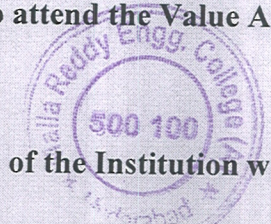
**Is sponsored to attend the Value Added**

**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:

- Basic drawing and modifying tools.
- Setting up levels and grids.
- Modeling floors.

## 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.





## MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

(UGC Autonomous Institution, Affiliated to JNTUH, Accredited 2<sup>nd</sup> time by NAAC with 'A' Grade & NBA and Recipient of World Bank Assistance under TEQIP--II S.C. 1.1)

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

### SYLLABUS

## “INTRODUCTION TO REVIT ARCHITECTURE”

Autodesk Revit is a building information modelling software for architects, landscape architects, structural engineers, mechanical, electrical, and plumbing (MEP) engineers, designers and contractors. The original software was developed by Charles River Software, founded in 1997, renamed Revit Technology Corporation in 2000, and acquired by Autodesk in 2002.

#### **Overview:**

From the outset, Revit was intended to allow architects and other building professionals to design and document a building by creating a parametric three-dimensional model that included both the geometry and non-geometric design and construction information, which is also known as Building Information Modelling or BIM (1975 Eastman C.). At the time, several other software packages—such as ArchiCAD and Reflex—provided a three-dimensional virtual building model, and let the user control individual components via parameters (parametric components).

#### **Version 1.0 and beyond:**

Revit version 1.0 was released on April 5, 2000. The software progressed rapidly, with version 2.0, 3.0, 3.1, 4.0, and 4.1 released in August 2000; October 2000; February 2001; June 2001; November 2001; and January 2002, respectively.

The software was initially offered only as a monthly rental, with no option to purchase. Licensing was controlled by an entirely automatic process, an innovation at a time when human intervention and manual transmission of authorization codes was required to buy other types of design software.

#### **Modeling:**

The Revit work environment allows users to manipulate whole buildings or assemblies (in the project environment) or individual 3D shapes (in the family editor environment). Modeling tools can be used with pre-made solid objects or imported geometric models. However, Revit is not a NURBS modeller and also lacks the ability to manipulate an object's individual polygons except on some specific object types such as roofs, slabs, and terrain or in the massing environment.

Revit includes categories of objects ('families' in Revit terminology). These fall into three groups:

- System Families, such as walls, floors, roofs, ceilings, major finishes, and even furniture built inside a project



- Loadable families/components, which are built with primitives (extrusions, sweeps, etc.) separately from the project and loaded into a project for use
- In-Place Families, which are built in-situ within a project with the same toolset as loadable components

An experienced user can create realistic and accurate families ranging from furniture to lighting fixtures, as well as import existing models from other programs. Revit families can be created as parametric models with dimensions and properties. This lets users modify a given component by changing predefined parameters such as height, width or number in the case of an array. In this way a family defines a geometry that is controlled by parameters, each combination of parameters can be saved as a type, and each occurrence (instance in Revit) of a type can also contain further variations. For example, a swing door may be a Family. It may have types that describe different sizes, and the actual building model has instances of those types placed in walls where instance-based parameters could specify the door hardware uniquely for each occurrence of the door.

### **Rendering:**

When a user creates a building, model, or any other kind of object in Revit, they may use Revit's rendering engine to make a more realistic image of what is otherwise a very diagrammatic model. The user accomplishes this either by using the premade model, wall, floor, etc., tools, or making her or his own models, walls, materials, etc. Revit 2010 comes with a plethora of predefined materials, each of which can be modified to the user's desires. The user can also begin with a "Generic" material. With this, the user can set the rotation, size, brightness, and intensity of textures, gloss maps (also known as shinemaps), transparency maps, reflection maps, oblique reflection maps, hole maps, and bump maps, as well as leaving the map part out and just using the sliders for any one (or all or none) of the aforementioned features of textures.



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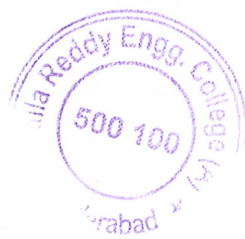
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**VAC ENROLLED LIST**  
**Introduction to REVIT Architecture (4<sup>th</sup> to 7<sup>th</sup> October 2016)**

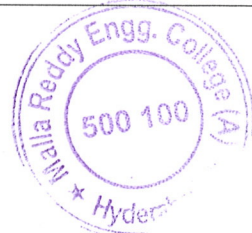
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1	15J41A0101	ALLVAL SRINIVAS
2	15J41A0103	ANNAMPATLA UMA RANI
3	15J41A0104	ARAVENI KIRAN
4	15J41A0107	BEJJENKI SAI TEJA
5	15J41A0108	BOKKA SAMARA SIMHA REDDY
6	15J41A0109	BOYANNAGARI NAMRATHA
7	15J41A0110	BURUGU VENKATESH
8	15J41A0111	BUSUKAVI LOHITH KUMAR YADAV
9	15J41A0112	BUYYA SUNIL KUMAR
10	15J41A0113	DEVARA SAI KRISHNA YADAV
11	15J41A0115	E ARUNKUMAR REDDY
12	15J41A0116	ERRA SWAPNA
13	15J41A0117	ESAM SAI KRISHNA
14	15J41A0118	GANGULA SAGAR
15	15J41A0119	GUDE VENKATA SAI KARTHEEK
16	15J41A0120	GUDLA RAJU
17	15J41A0121	HARSHAL DAGA
18	15J41A0122	ITIKELA DURGA SAIKIRAN
19	15J41A0124	KADALA SAI HEMANTH
20	15J41A0125	KADAM SHOURYA
21	15J41A0126	KAMINI HIMANSHU
22	15J41A0127	KOLIMI RAKESH
23	15J41A0128	KOLLU RAMA RAJU
24	15J41A0129	KOLLURI AJIT SAI
26	15J41A0130	KONDRA VAMSHI CHARAN
27	15J41A0132	KOTHA ABHISHEK
28	15J41A0133	KUCHIMPUDI BALA PRASANNA KUMAR
29	15J41A0134	KUKUNOORU LAXMAN CHANDRA
30	15J41A0135	MACHA SAIKRISHNA
31	15J41A0136	MANCHALA SAI NIKHIL
32	15J41A0139	MUDIKE SHASHANK YADAV
33	15J41A0140	MUNIPALLY SAI TEJA
34	15J41A0141	NANNAPANENI SAI KALYAN
35	15J41A0142	NYATHARI SHRAVANI
36	15J41A0143	ODNALA MANISH



37	15J41A0144	PAKALA MANIDEEP REDDY
38	15J41A0145	PALANATI PRIYANKA
39	15J41A0146	PAMBAL SAI RAJ
40	15J41A0147	PAUL SALEM RAJ
41	15J41A0148	PEDDIREDDYGARI PRADEEPKUMAR REDDY
42	15J41A0149	PENTAMALLA SAIRANI
43	15J41A0150	POLDAS VEERESH
44	15J41A0151	REGALLA PHANEENDRA
45	15J41A0152	SAI VIJAY KUMAR BATHULA
46	15J41A0155	SIRIKONDA SRUJAN KUMAR
47	15J41A0156	TADAKAPALLY NAVEEN KUMAR
48	15J41A0157	UPPARI RISHIVARUN
49	15J41A0158	VANIGE MAHESH
50	15J41A0159	VEMPALLY RAVI TEJA
51	15J41A0160	VITHALA DIVYA CHANDRA SOWMYA
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53	16J45A0102	AKKALDEVI HEMASRI
54	16J45A0103	BATHINI NAVYA
55	16J45A0104	BULUSU SAI SRAVAN KUMAR
56	16J45A0105	CHEETURI RAJU
57	16J45A0106	CHINTALA SHARUN
58	16J45A0107	DASARI MADHU SHREE
59	16J45A0108	DAWAT KOUSHIK
60	16J45A0109	DHARAVATH ASHA JYOTHI
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65	15J41A0162	ABDUR RAHMAN HAZARI
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67	15J41A0164	AKUMADUPULA NITHISHA
68	15J41A0165	ALETI SRIKANTH
69	15J41A0166	AMPALA SAIKIRAN
70	15J41A0167	ANUGU KIRAN REDDY
71	15J41A0168	ARVA YUGANDHAR
72	15J41A0169	ASIREDDY RAVALI
73	15J41A0170	ATLA MALAVIKA
74	15J41A0171	CH R V SANDEEP
75	15J41A0172	CHAKALI VINITH
76	15J41A0173	DASA PRAGNYA
77	15J41A0174	DEVANDLA VAMSI KRISHNA
78	15J41A0177	DURGAM KALYAN
79	15J41A0178	EMMADI SOUJANYA
80	15J41A0179	ERROJU NAVYA
81	15J41A0180	G KALYAN KUMAR



82	15J41A0181	GUGULOTHU DINESH
83	15J41A0182	GUJJETI VANDHITH
84	15J41A0183	HEMCHAND REDDY NUKA
85	15J41A0184	JILUKARA AKHILKUMAR
86	15J41A0185	JONNALA RAHUL REDDY
87	15J41A0186	KAMATHAM RAKESH
88	15J41A0187	KANAKALAPATI SHYAM SUNDAR
89	15J41A0188	KATIPELLY VINAY REDDY
90	15J41A0189	KHAJA NASERUDDIN
91	15J41A0190	KODIPYAKA SRUTHI
92	15J41A0191	KONDU RAKESH
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94	15J41A0193	LAKKARS MUKESH
95	15J41A0194	MARIMGANTY SAIKIRAN
96	15J41A0195	MD GULAM HUSSAIN ASLAM
97	15J41A0196	MD SHARIF ANWAR
98	15J41A0197	MEGHAVATH VAMSHI KRISHNA
99	15J41A0198	MITTAPALLY VAMSHI KRISHNA
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106	15J41A01A5	PINNAMSHETTY BHAVANI
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124	16J45A0116	KAKARLAMUDI PRAJWAL
125	16J45A0117	KATAM RAMYA
126	16J45A0118	LADE DYAKARRAO





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129	15J41A01C1	A CHANDRIKA KUMARI
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131	15J41A01C3	LANJAPALLI JESUDAS
132	15J41A01C4	AAVULA BHARGAV
133	15J41A01C5	AJAY A NAIR
134	15J41A01C6	AKULA ANUSHA
135	15J41A01C7	BOLISHETTY SUNAYANA

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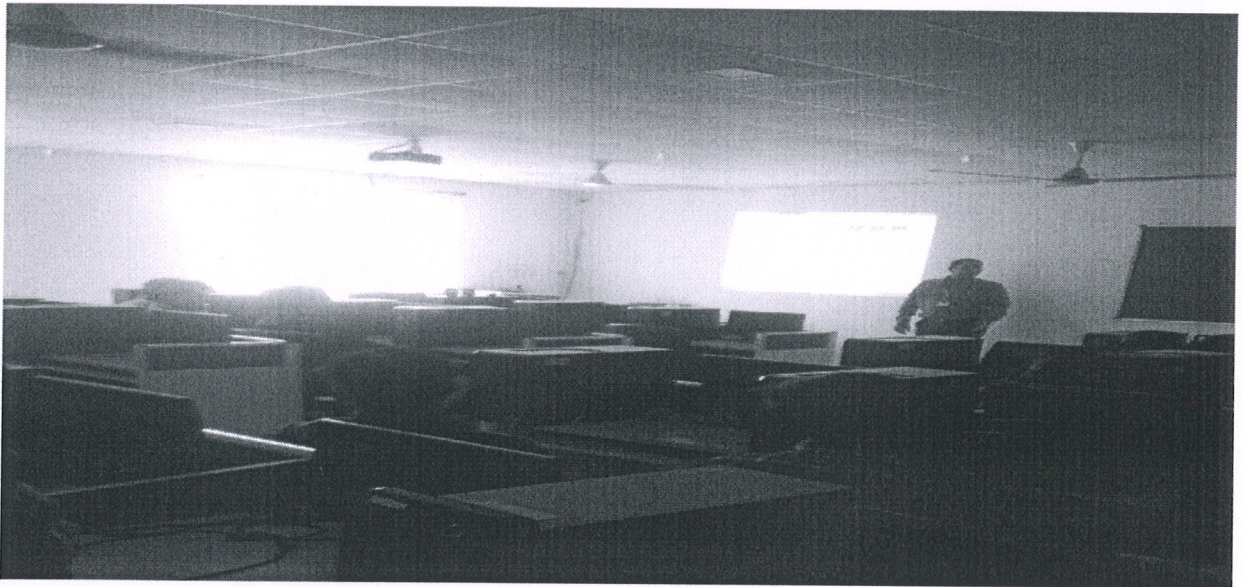
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**DEPARTMENT OF CIVIL ENGINEERING**  
ACADEMIC YEAR: 2016-17  
SUMMARY REPORT

**Value Added course name:** Introduction to Revit Architecture

**Value Added course Instructor:** Dr. Srikanth Koniki

Autodesk Revit is a building information modelling software for architects, landscape architects, structural engineers, mechanical, electrical, and plumbing (MEP) engineers, designers and contractors. The original software was developed by Charles River Software, founded in 1997, renamed Revit Technology Corporation in 2000, and acquired by Autodesk in 2002. The software allows users to design a building and structure and its components in 3D, annotate the model with 2D drafting elements, and access building information from the building model's database. Revit is 4D building information modeling capable with tools to plan and track various stages in the building's lifecycle, from concept to construction and later maintenance and/or demolition.



  
Co-Ordinator

  
HOD

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

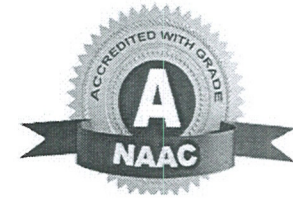


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## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. DEVANDLA VAMSI bearing  
Roll No. 15J41A0174 has successfully completed Certificate / Value Added  
Course / Workshop in Introduction to REVIT Architecture conducted  
by the Department of Civil Engineering from 04/10/2016 to 07/10/2016

COORDINATOR



HOD

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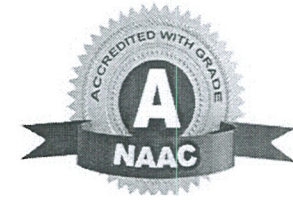


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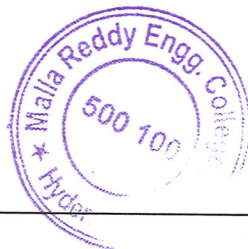
## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. DURGAM KALYAN bearing  
Roll No. 15J41A0177 has successfully completed Certificate / Value Added  
Course / Workshop in Introduction to REVIT Architecture conducted  
by the Department of Civil Engineering from 04/10/2016 to 07/10/2016

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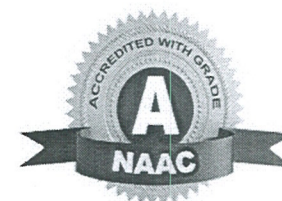


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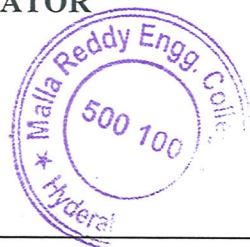
## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. EMMADI SOUJANYA bearing  
Roll No. 15J41A0178 has successfully completed Certificate / Value Added  
Course / Workshop in Introduction to REVIT Architecture conducted  
by the Department of Civil Engineering from 04/10/2016 to 07/10/2016

COORDINATOR

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## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. ERROJU NAVYA bearing  
Roll No. 15J41A0179 has successfully completed Certificate / Value Added  
Course / Workshop in Introduction to REVIT Architecture conducted  
by the Department of Civil Engineering from 04/10/2016 to 07/10/2016

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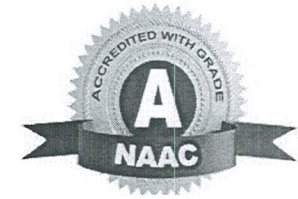


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## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. G KALYAN KUMAR bearing  
Roll No. 15J41A0180 has successfully completed Certificate / Value Added  
Course / Workshop in Introduction to REVIT Architecture conducted  
by the Department of Civil Engineering from 04/10/2016 to 07/10/2016

COORDINATOR



HOD

PRINCIPAL

Malla Reddy Engineering College  
(Autonomous)  
Maisammaguda, Dhulapally,  
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PRINCIPAL