



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

Ref/MREC/CE/VCA/2016/01

Department of Civil Engineering

CIRCULAR

Date:25/07/2016

All the students are hereby informed that Value Added Courses on “Fundamental and application of Arc GIS and Q GIS” on date 1st August to 6th September, is being organized by the civil engineering department. The resource person for the course is Mr. Raju Bathini.

Students are advised to register their names to the programme coordinator “Mr.B.Vamshi”, on or before July 30th and utilize this opportunity to hence their skills by attending the programme.

The detailed schedule of the programme will be displayed in the notice board.

HOD/CE

Copy to

- 1) Circulation in student classroom
- 2) All HOD'S
- 3) Notice boards
- 4) PA to Principal for filling



Ramesh
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. M. Kameswara Rao

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

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



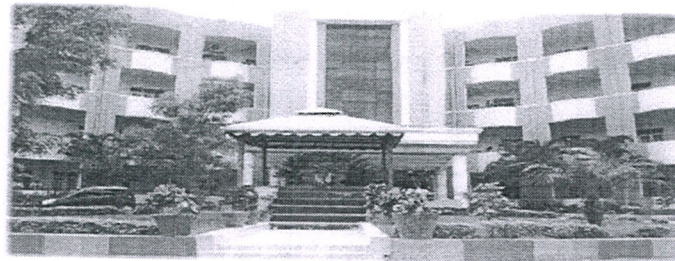
*A Thirty One Hour Skill development Course
(Value added Course)*

On

“Fundamental and Application of Arc
GIS and Q GIS”

(1st August to 6th September, 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,

Maisammaguda(H), Gundlapochampally (V),

Medchal (M), Medchal - Malkajgiri District

Telangana - 500100, India.

Registration Form:

*A Thirty One Hour Skill development Course
(Value added Course)*

On

“Fundamental and Application of
Arc GIS and Q GIS”

(1st August to 6th September, 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 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:

- ❖ Introduction to GIS
- ❖ Vector Data Model
- ❖ Map Creation

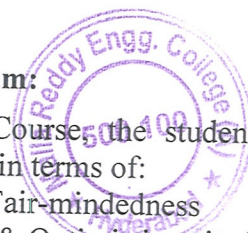
Test and Certificate:

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)

Maisammaguda, Dhullapally (post via Kompally) Secunderabad-500100

Department of Civil Engineering

Syllabus On

“Fundamental and application of arc GIS and Q GIS”

WELCOME to Basic Geographic Information Systems Training! For those who are new with geographic information system (GIS), please go over to our brief introduction about GIS. To be able to use this service, you need to have GIS Software. In this training, Quantum GIS (developed by Source Forge in June 2002) will be utilized. Maps and data used in this training are from the Multi-Hazard Mapping Project of ACF. Concepts and information about GIS and its application are mainly borrowed from various sources from the Internet and used under the context of this training manual. The step-by-step procedure of this training manual is mainly from the experience and skills of the author. Use of this Training Manual and Exercise Data User may use the training manual and exercise data contained in the CD for non commercial purposes, which include research, education, presentations, and non commercial publications. User should understand and agree that user may not copy, reproduce, distribute without written authorization from concern ACF or author. Inquiries about permission should be directed to any of the said party by telephone, writing or email. Basic GIS Training manual except its exercise data is deployed using the GNU General Public License

Quantum GIS Tutorial-Manual A. System Requirements for Quantum GIS Windows OS: Minimum: Pentium III / 256 MB RAM. Recommended: Pentium IV / 512 MB RAM. Operation System: Platforms Windows and Linux (Win98/XP, Linux Suse 8.2/9.0/9.2, Linux Debian (Lliurex)) MAC OS: PC/Desktop with at least Pentium IV Tiger OS, Leopard OS

C. Concept behind GIS 1. Features like House (e.g. Nipa Hut) and Place (e.g. Sea Shore) have attributes associated to them. For example, House (Nipa Hut). We have so many records and information about house. We could use database to record and share the data and information about house (e.g. Tax Mapping System). The type of house, material used, owner, status, current market value, location, photos and so forth are the attributes stored in the database. Each house is one record in the database and each column (e.g. type of house, material used and owner) is called field. Location becomes important in the attributes if someone ask “where”. Yes, location attributes in the database becomes relevant to each house to gather more information.

GIS tool in Multi-Hazard Mapping (GIS-MHM) GIS-MHM is a project of Acción contra el Hambre with agreement with concern agency. This project aims to set-up comprehensive and sustainable multi-hazard and vulnerability geodatabase of 15 Barangays in Bicol Region, namely:



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



MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)
(UGC Autonomous Institution, Affiliated to JNTUH, Accredited 2nd 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

VAC ENROLLED LIST

FUNDEMENTAL AND APPLICATION OF ARC GIS AND Q GIS

1st August to 6th September 2016

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 VINA YKANTH 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	13J41A01B3	T ABHILASH GOUD
32	13J41A01B4	T POOJITH
33	13J41A01B5	THOTA VENKATA LAXMI SUSHMITHA




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

34	13J41A01B6	V SAI PRASAD
35	13J41A01B7	VADDE DILEEP
36	13J41A01B8	VAKUMOLLA MOHAN REDDY
37	13J41A01B9	SAI VAMSHI KRISHNA ANASURI
38	13J41A01C0	VOGGOJU RAMESH
39	14J45A0101	CHINNAKOMALAI AHGARI AMRUTHA
40	14J45A0102	M. MADHU
41	14J45A0103	DEVAVATH NARESH
42	14J45A0104	PUNNA TEJA
43	14J45A0105	ALALA MAMATHA
44	14J45A0106	GUDIPADU RANADHEER
45	14J45A0107	NITTURI MAHESH
46	14J45A0108	ELMULA YOGESH
47	14J45A0109	JHADI PRAMOD
48	14J45A0110	MAMIDI KAVYA
49	14J45A0111	B. SRIKANTH
50	14J45A0112	VASAMCHETTY DURGA PRASAD
51	14J45A0113	DOMEEWAR SAI PRASAD
52	14J45A0114	KETHAVATH NAGARAJU
53	14J45A0115	GUDAM BHAVANI
54	14J45A0116	MALAVATH NARENDHER
55	14J45A0117	MARTHA SRIDHAR
56	14J45A0118	GODINI PREM KUMAR
57	14J45A0119	BADIKELA SUMAN
58	14J45A0120	C SHANKAR GOUD
59	14J45A0121	M MUKESH KUMAR
60	14J45A0122	PADILAM DURGA VAMSHI


HOD/CE




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



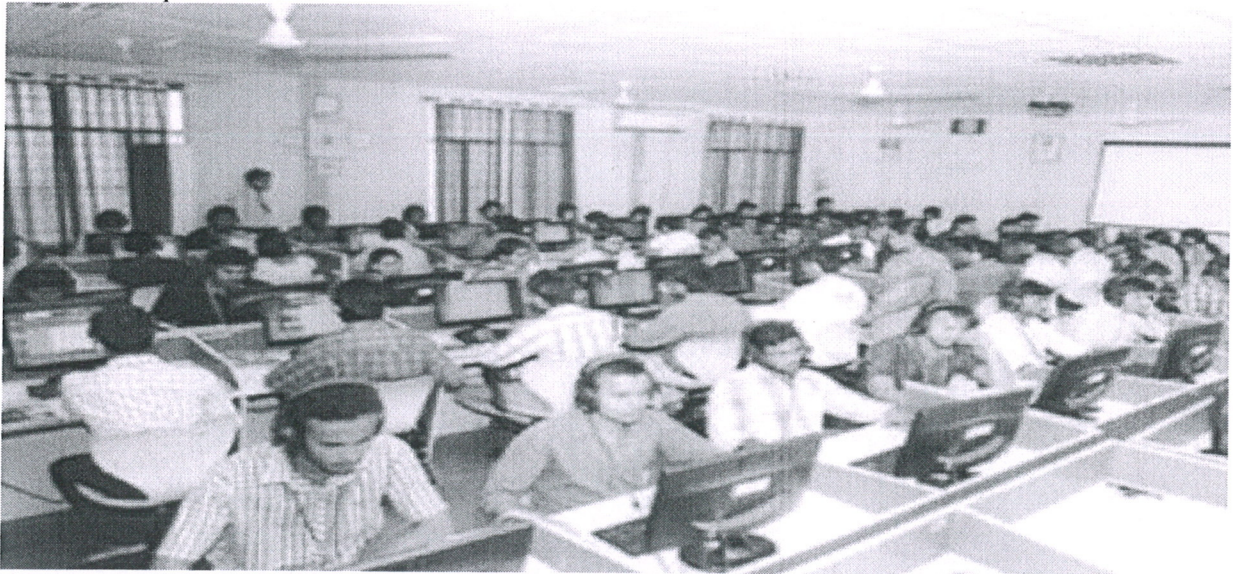
MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)
UGC Autonomous Institution. Affiliated to JNTUH, Accredited 2nd time by NAAC with 'A' Grade &
NBA and Recipient of World Bank Assistance under TEQIP-II S.C. 1.1)
Maisammaguda (H), Medchal-Malkajgiri District, Telangana State – 500100

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

Value Added course name: Fundamental and application of Arc GIS and Q GIS

Value Added course Instructor: Mr. Raju Bathini

In this training, Quantum GIS (developed by Source Forge in June 2002) will be utilized. Maps and data used in this training are from the Multi-Hazard Mapping Project of ACF. Concepts and information about GIS and its application are mainly borrowed from various sources from the Internet and used under the context of this training manual. The step-by-step procedure of this training manual is mainly from the experience and skills of the author. Use of this Training Manual and Exercise Data User may use the training manual and exercise data contained in the CD for non commercial purposes, which include research, education, presentations, and non commercial publications.

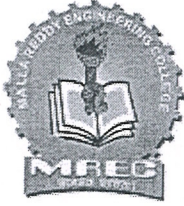


B.v

Co-Ordinator

mho
HOD

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

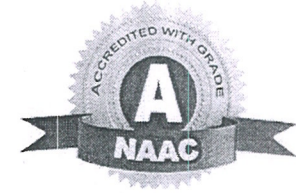


MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad - 500 100.

(UGC Autonomous Institution, Affiliated to JNTUH, Accredited 2nd time by NAAC with 'A' Grade)



CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. ADDHUZ RAHUL YADAV bearing
Roll No. 13J41A0101 has successfully completed Certificate / Value Added
Course / Workshop in Fundamental and Application of Arc GIS and Q-GIS conducted
by the Department of Civil Engineering from 01/08/2016 to 06/09/2016


COORDINATOR




HOD


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


PRINCIPAL

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

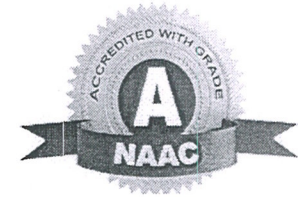


MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

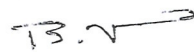
Maisammaguda, Dhulapally (Post via Kompally), Secunderabad - 500 100.

(UGC Autonomous Institution, Affiliated to JNTUH, Accredited 2nd time by NAAC with 'A' Grade)




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 Fundamental and Application of Arc GIS and Q-GIS conducted
by the Department of Civil Engineering from 01/08/2016 to 06/09/2016


COORDINATOR




HOD


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


PRINCIPAL

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



MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad - 500 100.

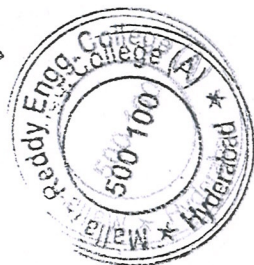
(UGC Autonomous Institution, Affiliated to JNTUH, Accredited 2nd time by NAAC with 'A' Grade)



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 Fundamental and Application of Arc GIS and Q-GIS conducted
by the Department of Civil Engineering from 01/08/2016 to 06/09/2016

TS.V
COORDINATOR



Mhu
HOD

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

PRINCIPAL

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

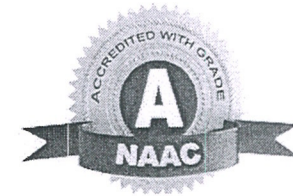


MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad - 500 100.

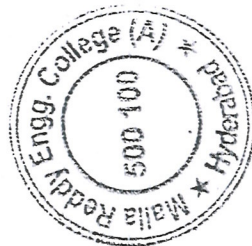
(UGC Autonomous Institution, Affiliated to JNTUH, Accredited 2nd time by NAAC with 'A' Grade)



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 Fundamental and Application of Arc GIS and Q-GIS conducted
by the Department of Civil Engineering from 01/08/2016 to 06/09/2016

T.S.V.
COORDINATOR



M. Reddy
HOD

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

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

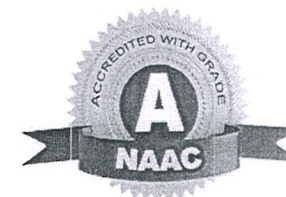


MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad - 500 100.

(UGC Autonomous Institution, Affiliated to JNTUH, Accredited 2nd time by NAAC with 'A' Grade)



CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. BALLIKONDA NIKHIL bearing Roll No. 13J41A0105 has successfully completed Certificate / Value Added Course / Workshop in Fundamental and Application of Arc GIS and Q-GIS conducted by the Department of Civil Engineering from 01/08/2016 to 06/09/2016

T.S.V
COORDINATOR



Mms
HOD

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

[Signature]
PRINCIPAL

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