



**MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)**  
UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to JNTUH,  
Hyderabad. Accredited 2<sup>nd</sup> time by NAAC with 'A' Grade,  
Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad,  
Telangana State – 500100, [www.mrec.ac.in](http://www.mrec.ac.in)

### **Department of Civil Engineering**

**Ref: MREC/CE/VAC/2020/01**

**Date: 12.08.2020**

### **Circular**

The Department of Civil Engineering is organizing Value added course on “Quality control on Construction Materials” from 19th August, 2020 to 29th September, 2020. The resource person for the program is Dr.R.Gopi.

All the students must register for the training by consulting the coordinator Dr.Ashok Kumar Suluguru, Associate Professor, Civil Engineering Department. The detailed schedule will be displayed on the department notice board.



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

*Ashok Kumar*  
**HOD-CE**

### Advisory Committee:

**Chief Patrons:** Sri.Ch.Malla Reddy, Minister-

Telangana State-India.

Founder Chairman

Malla Reddy Group of Institutions

**Patrons:** Sri.Ch.Mahender Reddy

Secretary, MRGI

Dr.Ch.Bhadra Reddy

President, MRGI

**Co-Patrons:** Dr.A.RamaSwami Reddy

Director, MREC (A)

Dr.A.Raveendra

Principal, MREC (A)

**Convener:** Dr. J. Selwyn Babu

HOD CIVIL

**Coordinator:** Dr.Ashok Kumar Suluguru

Associate Professor/Civil

### Organizing Committee:

Dr.J.Selwyn Babu, Professor, Civil

Dr.J.Rex, Associate Professor, Civil

Dr.K.Shimola, Professor, Civil

Dr.M.V.Jagannadha Kumar, Assoc.Prof., Civil

Dr.G.Venkata Ramana, Professor, Civil

Dr.G.Madan Mohan Reddy, Professor, Civil

Dr.V.Lakshmi Shireen Banu, Professor, Civil

Dr.P.V.S. Vara Prasad, Professor, Civil

Dr.Shiva Reddy M.S., Professor, Civil

Dr.C.Srinivas Gupta, Professor, Civil

Dr.C.M.Vivek Vardhan, Assoc.Prof., Civil

Dr.P.Saritha, Associate Professor, Civil

Mrs.R.Sumathi, Assistant Professor, Civil

Mrs.K.Harshada, Assistant Professor, Civil

Mr.B.Vamsi Krishna, Assistant Professor, Civil

Mr.K.Naga Sujatha, Assistant Professor, Civil

Mr.G.Krishna Rao, Assistant Professor, Civil



*Skill development Course*

*(Value added Course)*

*On*

**"Quality control on Construction Materials"**

**(19<sup>th</sup> Aug to 29<sup>th</sup> Sep, 2020)**

**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:**

*Skill development Course*

*(Value added Course)*

*On*

**"Quality control on Construction Materials"**

**(19<sup>th</sup> Aug to 29<sup>th</sup> Sep, 2020)**

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:**

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(2020-2021)

### Quality control on construction materials

Course code: VACCE01

Duration of the course: 35 hrs

#### **Objective of the course:**

- 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.

### Syllabus

#### **Unit-1**

**Total hrs: 7**

Concept of quality control, Quality assurance, Quality management, Aims of TQM, Development and design Concept of TQM, Accuracy and precision in observation, reading theodolite, digital theodolite, total station, calibration etc., Accuracy in calculation, finding area, volume etc.

#### **Unit-2**

**Total hrs: 7**

Duties, responsibilities, qualification of staff in organization, Checklists for Quality of Materials, Masonry and Plastering.

#### **Unit-3**

**Total hrs: 7**

Concrete construction-Batching, Mixing, Transporting, Placing, Compaction, Finishing, Curing. Reinforcement Work, Formwork, Timber & steel construction, Doors & windows, Plumbing & drainage.

#### **Unit-4**

**Total hrs: 7**

Statistical Quality Control-Quality Measurement: Attributes and Variables-Statistical Process Control (SPC) Methods-Control Charts for Attributes'-Charts-Proportion Defective, C-Charts Number of Defects Per Unit-Control Charts for Variables-Other Types of Attribute-Sampling Plans-Acceptance Sampling.



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**Value Added Course Enrolled List**

**“Quality control on Construction Materials”**

**(19<sup>th</sup> August, 2020 to 29<sup>th</sup> September, 2020)**

S.No.	Roll No.	Name of the student
1.	18J41A0105	APPIREDDYGARI AJAY KUMAR REDDY
2.	18J41A0106	BAYAGALA VIVEK VARDHAN
3.	18J41A0107	BHUKYA SHILPA
4.	18J41A0108	BOBBALA SRINIVAS REDDY
5.	18J41A0109	BUDEM GANESH
6.	18J41A0110	BURRI CHANDU YADAV
7.	18J41A0111	CHILAKALA BHAVYASINDHU
8.	18J41A0112	CHIPPALA SIVA VENKATA RAJA SEKHAR
9.	18J41A0113	DARA DORASWAMY
10.	18J41A0114	DASARI SHANTHIVARDHAN
11.	18J41A0116	G VIJAYA
12.	18J41A0117	G VIKAS
13.	18J41A0118	GANDHAM SAI SREENU
14.	18J41A0119	GOUTI VENKATESH
15.	18J41A0120	HARALE KISHAN RAO
16.	18J41A0121	JADI SAIKEERTHI
17.	18J41A0122	JAKKANI CHAITHANYA
18.	18J41A0123	JALADI YASWANTH
19.	18J41A0124	JELLA MAHESHCHANDU
20.	18J41A0125	JOHN SUSHANTH RAJ GODISHALA
21.	18J41A0126	KAKI VIKAS
22.	18J41A0127	KALAKONDA SRINATH
23.	18J41A0128	KARNAM PRASHANTH
24.	18J41A0129	KATAM AKSHAY REDDY
25.	18J41A0130	KESHI REDDY SAI VINAY REDDY

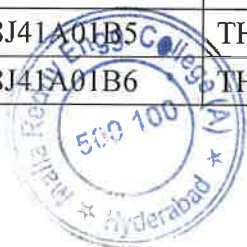


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26.	18J41A0131	KOTHA MANOJ KUMAR
27.	18J41A0132	KURAPATI TARUN CHANDRA DEEP
28.	18J41A0133	LAKKAKULA ABHISHEK
29.	18J41A0134	LINGALA RAMU
30.	18J41A0135	M AASHRITHA
31.	18J41A0136	MAKTHALA PRUDHVI RAJ GOUD
32.	18J41A0137	MANNE DIVYA TEJA
33.	18J41A0138	MOHAMMAD SAJID
34.	18J41A0139	MOHD BILAL SUFIYAN
35.	18J41A0140	MOOD NAVEEN NAIK
36.	18J41A0141	MULA RAVALI
37.	18J41A0142	MYAKALA VAKUL
38.	18J41A0143	NAGULA MOKSHITH
39.	19J45A0103	BANOTH BHASKAR
40.	19J45A0104	BOBBILI SHIVAKUMAR
41.	19J45A0105	C ARUN KUMAR
42.	19J45A0106	CHEPURI LAHARI
43.	17J41A01C6	BASIREDDY CHANDRA KARTHIK REDDY
44.	17J41A01G6	ROHITH
45.	18J41A0168	BAIRA BHARATH
46.	18J41A0169	BANDARI SRIJA
47.	18J41A0170	BANOTH GOVIND
48.	18J41A0172	BODASU MANIKANTA
49.	18J41A0173	BODDU NAVEEN KUMAR
50.	18J41A0174	CHANDA KEERTHANA
51.	18J41A0175	CHILUKURI PRANAHITHA
52.	18J41A01B1	SHAIK SHAHI MUNVARSHA
53.	18J41A01B2	SINGILIDEVI SUDHA
54.	18J41A01B3	T ARAVIND
55.	18J41A01B4	TARUN KUMAR YADAV
56.	18J41A01B5	THALLA RAMYA
57.	18J41A01B6	THOGARLA RAVI



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58.	19J45A0111	KEMPOLEKAR SIDDHARTH CHANDER
59.	19J45A0112	M MANIKANTA PRASAD
60.	18J41A01C1	AGOLAPU SAI KRISHNA
61.	18J41A01C2	ALLU JAGAN SAI
62.	18J41A01C3	ANTHATHI SAITEJA
63.	18J41A01C4	BANOTH ROJA
64.	18J41A01C5	BARADHI SAI PRIYA
65.	18J41A01C6	BATTULA MADHAVARAO
66.	18J41A01C8	BODA VINESH
67.	18J41A01C9	BOJA BHUPATHI REDDY
68.	18J41A01D0	CH ESWAR SAI
69.	18J41A01D1	CHAKALI SRIKANTH
70.	18J41A01D2	CHINCHOLIKAR PRAMOD GOUD
71.	18J41A01D3	CHITLA LIKHITHA GANGADHAR
72.	18J41A01D5	DASARI AKHILVARDHAN REDDY
73.	18J41A01D6	DHATRIK SAI RAJ KARAN
74.	18J41A01D7	ESAMPALLI ANUDEEP
75.	18J41A01G1	MOHD SHAHZAD AHMED
76.	18J41A01G2	MUREGE MAHESH
77.	18J41A01G3	NAGULAPALLY MANIDEEP
78.	18J41A01G4	PALAKURTHY MOUNIKA
79.	18J41A01H9	VASIKARLA PANDU RANGA
80.	18J41A01J0	YERRABELLI JITHENDHAR REDDY
81.	19J45A0114	PADALA JAHNAVI
82.	19J45A0115	PUPPALA ACHARYARAJ
83.	19J45A0117	VAIKUNTA LAXMI POLASRI
84.	19J45A0118	VEMULA ABHISHEK



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*[Signature]*  
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**Value Added Course Certified Student List**

**“Quality control on Construction Materials”**

**(19<sup>th</sup> August, 2020 to 29<sup>th</sup> September, 2020)**

S.No.	Roll No.	Name of the student	Certified
1.	18J41A0105	APPIREDDYGARI AJAY KUMAR REDDY	Yes
2.	18J41A0106	BAYAGALA VIVEK VARDHAN	Yes
3.	18J41A0107	BHUKYA SHILPA	Yes
4.	18J41A0108	BOBBALA SRINIVAS REDDY	Yes
5.	18J41A0109	BUDEM GANESH	Yes
6.	18J41A0110	BURRI CHANDU YADAV	Yes
7.	18J41A0111	CHILAKALA BHAVYASINDHU	Yes
8.	18J41A0112	CHIPPALA SIVA VENKATA RAJA SEKHAR	Yes
9.	18J41A0113	DARA DORASWAMY	Yes
10.	18J41A0114	DASARI SHANTHIVARDHAN	No
11.	18J41A0116	G VIJAYA	Yes
12.	18J41A0117	G VIKAS	Yes
13.	18J41A0118	GANDHAM SAI SREENU	Yes
14.	18J41A0119	GOUTI VENKATESH	Yes
15.	18J41A0120	HARALE KISHAN RAO	Yes
16.	18J41A0121	JADI SAIKEERTHI	Yes
17.	18J41A0122	JAKKANI CHAITHANYA	Yes
18.	18J41A0123	JALADI YASWANTH	Yes
19.	18J41A0124	JELLA MAHESHCHANDU	Yes
20.	18J41A0125	JOHN SUSHANTH RAJ GODISHALA	Yes
21.	18J41A0126	KAKI VIKAS	Yes
22.	18J41A0127	KALAKONDA SRINATH	Yes
23.	18J41A0128	KARNAM PRASHANTH	Yes
24.	18J41A0129	KATAM AKSHAY REDDY	Yes
25.	18J41A0130	KESHI REDDY SAI VINAY REDDY	Yes



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58.	19J45A0111	KEMPOLEKAR SIDDHARTH CHANDER	Yes
59.	19J45A0112	M MANIKANTA PRASAD	Yes
60.	18J41A01C1	AGOLAPU SAI KRISHNA	Yes
61.	18J41A01C2	ALLU JAGAN SAI	Yes
62.	18J41A01C3	ANTHATI SAITEJA	No
63.	18J41A01C4	BANOTH ROJA	Yes
64.	18J41A01C5	BARADHI SAI PRIYA	Yes
65.	18J41A01C6	BATTULA MADHAVARAO	Yes
66.	18J41A01C8	BODA VINESH	Yes
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81.	19J45A0114	PADALA JAHNAVI	Yes
82.	19J45A0115	PUPPALA ACHARYARAJ	Yes
83.	19J45A0117	VAIKUNTA LAXMI POLASRI	Yes
84.	19J45A0118	VEMULA ABHISHEK	Yes



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*[Signature]*  
**HOD/CE**





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## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. Puppala Acharyaraj bearing  
Roll No. 19J45A0115 has successfully completed Certificate / Value Added  
Course / Workshop in Quality control on Construction Materials conducted  
by the Department of Civil Engineering from 19.8.2020 to 29.9.2020



  
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## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. Singilidevi Sudha bearing  
Roll No. 18J41A01B2 has successfully completed Certificate / Value Added  
Course / Workshop in Quality control on Construction Materials conducted  
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## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. Murege Mahesh bearing  
Roll No. 18J41A01G2 has successfully completed Certificate / Value Added  
Course / Workshop in Quality control on Construction Materials conducted  
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## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. Kaki Vikas bearing  
Roll No. 18J41A0126 has successfully completed Certificate / Value Added  
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## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. Mula Ravali bearing  
Roll No. 18J41A0141 has successfully completed Certificate / Value Added  
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## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. Budem Ganesh bearing  
Roll No. 18J41A0109 has successfully completed Certificate / Value Added  
Course / Workshop in Quality control on Construction Materials conducted  
by the Department of Civil Engineering from 19.8.2020 to 29.9.2020



  
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