

(An 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, <a href="https://www.mrec.ac.in">www.mrec.ac.in</a>

# DEPARTMENT OF MINING ENGINEERING Value Added Courses

### 2019-2020

Sl No	Name of the value added	Year /sem Date		Date	Number of
	courses	Offered	From	То	students enrolled
1	Flame Safety lamp	IV/I	16-12-2019	21-12-2019	35
	handling certificate				

HOD MIN

Head of the **Dept.**Dept. of **Mining**Malla Reddy Engg. **College** 



(An UGC Autonomous Institution, Affiliated to JNTUH, Hyderabad 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-Malkajgiri District, Secunderabad,

Telangana State − 500100

www.mrec.ac.in

### **Department of Mining Engineering**

#### **CIRCULAR**

Date: 10/12/2019

All the students are hereby informed that Value Added Course on "Flame safety lamp handling certificate on date 16<sup>th</sup> to 21<sup>st</sup> December, is being organized by the mining engineering department.

Students are advised to register their names to the program coordinator "Shri SK Sameer Pasha", on or before 15/12/2019 and utilize this opportunity to enhance their skills by attending the program.

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

Head of the Department
Head of the Dept.
Dept. of Mining
Reddy Engg. College

### Copy to:

- 1) Circulation in Students classroom
- 2) All HOD's
- 3) Notice Boards
- 4) PA to principal for filing.



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

### INSTITUTION

Malla Reddy Engineering College (Autonomous) (NRCC) is a fulfillment of the distinct vision of its Founder Chairman, Sri. Ch. Malla Reddy, the present MLA from Medchal Assembly constituency and Honourable Minister of Labour, Employment, Women and Child Development, Government of Telangana. MREC is one of the premier Engineering Colleges in the State of Telangana, established in the year 2002, approved by AICTE, New Delhi and affiliated to JNTUH, Hyderabad. The Institute is reaccredited by NBA and NAAC with 'A' Grade (II cycle). MREC has been conferred upon the Autonomous status by the University Grants Commission, Government of India in the year 2014. MREC is established with the aim of providing high quality technical education through constant innovation and academic excellence. It offers courses in the disciplines of Civil, EEE, ECE, ME, CSE, IT and Mining Engineering. MREC offers five M.Tech. Programmes and a MBA programme. MREC(A) has an impressive on-campus recruitment record with many leading corporates regularly visiting and recruiting students.

#### DEPARTMENT OF MINING ENGINEERING

Mining Engineering was started during 2013 in MREC(A), with an intake of 60 students per batch. So far, three batches of students have passed out and employed in various reputed government and private organizations within and outside the country. A good number of students are perusing higher education in India & abroad. This Department is the biggest in terms of the faculty strength in the entire South India and one of the best in the quality of faculty. The faculty are drawn from Academics, Research, Industry and Central Government Regulatory Bodies and are excellent blend of experienced and youngsters with good number of them with Ph.D. qualification. The faculty have the experience of carrying out research and consultancy works for more than 30 years. The department is continuously striving to improve the quality of education offered to the students by exposing them to various additional activities like Seminars, Conferences, Workshops, Guest Lectures, Industrial Visits, Industrial Training, On-line training programmes, Short-term courses in the mining and related areas, etc.

#### UNUANIZINU CUIVIIVII I EE

**Chief Patron** 

Shri. Ch. Malla Reddy, M.L.A.

Honorable Minister of Labor, Employment,

Women and Child Development, Government of T.S

Founder Chairman, MRGI Patrons

Shri.Ch. Mahender Reddy, Secretary, MRGI

Dr. Ch. Bhadra Reddy, President, MRGI

Shri P.Praveen Reddy, Director, MRGI Chairman

Dr. S. Sudhakara Reddy, Principal, MREC (A)

#### **ADVISORY COMMITTEE**

- Shri Shyam Mishra, DMS, Hyderabad Region-I
- Shri Mohammad Niyazi, DMS, Hyderabad Region-II
- Shri B.R.V. Susheel Kumar, DMG, TS, Chairman, MEAI Hyderabad Chapter
- Shri S.V.S.S. Ramalingeswarudu, GM (HRD), SCCL
- Dr. R. Markandeya, Principal JNTUH-Manthani
- Shri K.J. Amaranth, Rtd CMG, SCCL
- Dr. Gopal Naik, HOD, Civil Engineering OU College of Engineering, Hyderabad
- Dr. I. Srinivas, HOD Min.E, Kakatiya University

#### CONVENER

Malla

Dr. K. Srinivas, HoD, Min.E, MREC (A)

#### COORDINATOR

Shri.SK. Sameer Pasha, Asst Prof., Min.E, MREC (A)

#### Members

Shri.D. Chandraekhar, Professor
Dr. K.V. Shankar, Professor
Shri.N.S.R. Krishna Prasad, Professor
Shri.SK. Sameer Pasha, Asst.Prof
Shri.M.Vishnu Teja, Asst.Prof
Shri.P.Shashikanth, Asst.Prof
Shri.G. Harish, Asst.Prof

Department of Mining Engineering, MREC (\*) Coll Contact: 9700881880, 9491145161, 9940674227

E-mail ID: rtme2019@gmail.com



Department of Mining Engineering Malla Reddy Engineering College (Autonomous)

> is Organizing Value Added Course On

## Flame safety lamp handling certificate

16<sup>th</sup> – 21th December 2019



Venue: Knowledge Center, MREC(A)

### MALLA REDDY ENGINEERING COLLEGE

(AUTONOMOUS) MAIN CAMPUS

A UGC Autonomous Institution, Approved by AICTE & Affiliated to JNTUH-Hyderabad Reaccredited by NAAC with 'A' Grade (II Cycle) Maisammaguda, Dhulapally (Post) Via Kompally, Secunderabad-500100, Telangana State, India.

#### **Value Added Course**

Gas Testing Certificate Examination is conducted to examine the competency of the candidates to test for the presence of inflammable gas. As per coal mines regulations no person is admitted as candidate at any examination for manager's or an overman's certificate unless he has obtained a gas testing certificate. Hence it is of primary mining importance for engineering practitioners and degree or diploma holders to obtain the gas testing certificate as early as possible. The key theme of the course, flame safety lamp & gas testing has been elaborately dealt with.

#### **RESOURCE PERSONS**

- Shri N. Sri Chandrahas, Professor, Min.E, MREC (A)
- Shri N.S.R .Krishna Prasad, Professor, Min.E, MREC(A)
- Dr. M. S. Venkataramayya, Prof., Min.E, MREC (A)
- Shri M. Vishnu Teja, Asst. Professor. Min.E, MREC(A)

#### **ELIGIBILITY**

IV Year Students of Mining Engineering

### **Objectives of the Programme:**

- 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.
- To develop commitment and ethical approach towards work, and instill a sense of responsibility towards the institution.
- To enhance communication and soft skills of the faculty by introducing innovative teaching methodologies and developing an interpersonal connection with students.

### Topics to be covered:

- Mine Air composition
- Occurrence of Methane & its Explosion
- Flame Safety Lamp
- Types of flame and their Characteristics
- Gas Testing with flame Safety Lamp
- Other uses of flame Safety Lamp
- MSA D6 Methanometer

### 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**

The Students will acquire knowledge on

- Mine Air composition
- Occurrence of Methane & its Explosion
- Flame Safety Lamp
- Types of flame and their Characteristics
- Gas Testing with flame Safety Lamp
- Other uses of flame Safety Lamp
- MSA D6 Methanometer

### Department of Mining Engineering Malla Reddy Engineering College (Autonomous)

is Organizing

Value Added Course On

Flame safety lamp handling certificate

16<sup>th</sup> – 21th December 2019

### **REGISTRATION FORM**

Name:
Name of the Institute:
Organization:
Address:
Mobile Number:
E-mail ID:

Date:

**Signature** 

Malla Reddy Engineering College
(Autonomous)

Maisammaguda, Dhulapally, Post Via Kompally), Sec'bad-500 100



# MALLA REDDY ENGINEERING COLLEGE

(AUTONOMOUS)

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

### DEPARTMENT OF MINING ENGINEERING

### Value Added Course On Flame safety lamp handling certificate

16<sup>th</sup> – 21<sup>th</sup> December, 2019 **SYLLBUS** 

Date	Time	Topic	Resource Person
	9:30 – 11.00AM	Inaugural function	Shri.SK. Sameer Pasha -
	11:00 -11:15AM	Tea Break	
	11.15 – 12:45 PM	Mine Air Composition: Atmospheric air, Mine air, types of damps commonly met in mines	Dr. M. S. Venkataramayya
16-12-19	12:45 – 1:30PM	Lunch	
	1:30 – 2:30 PM	Classification of coal seams based on degree of gassiness.	Shri N.S.R .Krishna Prasad
	2:30 – 2:45PM	Tea Break	
	2:45 -4:00 PM	Occurrence of Methane and its explosion	Dr. M. S. Venkataramayya
17-12-19	9:30 – 11.00AM	Occurrence of Methane and its explosion	Dr. M. S. Venkataramayya
	11:00 -11:15AM	Tea Break	
	11.15 – 12:45 PM	Occurrence of Methane and its explosion	Shri N. Sri Chandrahas
	12:45 – 1:30PM	Flame safety Lamp: Development, Classification of flame safety lamp, components and their functions, air circuit, handling of flame safety lamp	Dr. M. S. Venkataramayya
	1:30 – 2:30 PM	Flame safety Lamp: Maintanance of safety lamp, oil for use in lamps, safety features of safety lamp	Dr. M. S. Venkataramayya
	2:30 - 2:45PM	Tea Break	
	2:45 -4:00 PM	Types of flame & their characteristics: Normal flame, standard flame, fuel cap & gas cap	Shri N.S.R .Krishna Prasad
18-12-19	9:30 – 11.00AM	Gas testing with flame safety lamp: Accumulation test, Percentage test, variation in shape and height of gas cap with methane concentration. Test procedure in the laboratory	Shri N. Sri Chandrahas
	11:00 -11:15AM	Tea Break	
	11.15 – 12:45 PM	Gas testing with flame safety lamp: Accumulation test, Percentage test, variation in shape and height of gas cap with methane concentration. Test procedure in the laboratory	Shri N. Sri Chandrahas
	12:45 – 1:30PM	Lunch	\$ 500 to 100 to

Head of the Dept. Dept. of Mining Malia Reddy Engg. College

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

	1:30 – 2:30 PM	Gas testing with flame safety lamp: Accumulation test, Percentage test, variation in shape and height of gas cap with methane concentration. Test procedure in the laboratory	Shri N. Sri Chandrahas
	2:30 - 2:45PM	Tea Break	/GF
	2:45 -4:00 PM	Gas testing with flame safety lamp: Accumulation test, Percentage test, variation in shape and height of gas cap with methane concentration. Test procedure in the laboratory	Shri N. Sri Chandrahas
19-12-19	9:30 – 11.00AM		
	11:00 -11:15AM	Tea Break	
	11.15 – 12:45 PM	Other uses of flame safety lamp: Detection of oxygen deficiency, detection of presence of blackdamp.	Shri N.S.R .Krishna Prasad
	12:45 – 1:30PM	Lunch	
	1:30 – 2:30 PM	MSA D6 Methanometer: Description and working principle, Test procedure, Use of telescopic probe.	Shri. M. Vishnu Teja
	2:30 – 2:45PM	Tea Break	
	2:45 -4:00 PM	MSA D6 Methanometer: Description and working principle, Test procedure, Use of telescopic probe.	Shri, M. Vishnu Teja
20-12-19	9:30 – 11.00AM	Mine gases – occurrence, Physiological effects and detection: Oxygen, Nitrogen, Carbon	Shri N.S.R .Krishna Prasad
		dioxide, carbon monoxide, nitrous fumes Sulphur dioxide, hydrogen sulphide, hydrocarbons, aldehydes and acrolins, permissible limits for toxic gases	
	11:00 -11:15AM	Tea Break	
	11.15 – 12:45 PM	Mine gases – occurrence, Physiological effects and detection: Oxygen, Nitrogen, Carbon dioxide, carbon monoxide, nitrous fumes Sulphur dioxide, hydrogen sulphide, hydrocarbons, aldehydes and acrolins,	Shri N.S.R .Krishna Prasad
		permissible limits for toxic gases	
	12:45 – 1:30PM	Lunch	Y
	1:30 – 2:30 PM	Mine gases – occurrence, Physiological effects and detection: Oxygen, Nitrogen, Carbon dioxide, carbon monoxide, nitrous fumes	Shri N.S.R .Krishna Prasad
		Sulphur dioxide, hydrogen sulphide, hydrocarbons, aldehydes and acrolins, permissible limits for toxic gases	
	2:30 – 2:45PM	Tea Break	
	2:45 -4:00 PM	Gas Testing Chamber Room	Shri. M. Vishnu Teja
21-12-19	9:30 – 11.00AM	Gas Testing Chamber Room	Shri. M. Vishnu Teja
	11:00 -11:15AM 11.15 – 12:45 PM	Gas testing examination procedure	Dr. N. Venkataramayya
lla Reddu s	11.15 - 12.45 1 1/1		

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

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Dept. of Mining
Malia Reddy Engg. College

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12:45 – 1:30PM	Lunch	T
1:30 – 2:30 PM	Interactive session & Test for students	Shri.SK. Sameer Pasha
2:30 – 2:45PM	Tea Break	
2:45 -4:00 PM	Feedback session	Shri.SK. Sameer Pasha -

Principal

Malla Reddy Engineering College Maisammaguda, Dhulapally, (Post Via Kompally), Sec'bad-500100 Soo 100 leg horabad \*

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<u>Telangana State – 500100, www.mrec.ac.in</u>

**Department: Mining Engineering** 

Course: Flame Safety lamp handling certificate

Date: 16th To -21st December, 2019

### Registration students list

Sl.N o	Roll No	Name	Sl.No	Roll No	Name
1	17J41A2505	CHIDIRALA SAI SUHAS REDDY	12		G. Harish kumar
	17J41A2510	GUGULOTHU DHEERAJ		18J41A2512	CHITTALURI SANDEEP KUMAR
3	17J41A2527	NADEM RAVI TEJA	13	17J41A2520	KOLUVULA SHIVA GANESH
4	18J45A2515	MALLARAPU NARASIMHA	15	17J41A2546	VISHWANADHA SAI CHAITHANYA
5	18J45A2516	MANGALIPELLY SRIKANTH	16	18J45A2504	BATHINI THARUN RAJ
6	18J45A2519	NALAVALA MAHENDER	17	18J45A2508	DUGYALA PRASHANTH
7	18J45A2512	KONDAPARTHI GOPI VAMSHI	18	18J45A2505	BOLISHETTI PRANAY
8	18J41A2503	BANOTH KALYAN	19	18J45A2509	JAKKULA NAVEEN
4° 9′′′.	17J41A2508	GARA PAVANKALYAN	20	17J41A2541	SHAIK IMRAN
1905	2 e d d	V. Saineesh	20	17J41A2512	GURIJALA PREM SAGAR

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

Knum 1.

Dept. of Mining

	17741 4 2510	TZ A CID Z A T T A			
	17J41A2518	KASIMALLA		17J41A2539	SANA RAJENDER
		SRISAILAM			
_ 22			31		
	17J41A2522	MOHAMMAD		17J41A2532	PEDDABOINA PAVAN
		KHADAR			KUMAR
23	-		32		4
	17J41A2505	CHIDIRALA SAI		17J41A2536	POTHARAVENI
		SUHAS REDDY			SHIVAKRISHNA
24			33		SHVIRIGSHVA
	18J45A2525	VAIDYA SURYA TEJA	33	15J41A2540	PERGU BHARATH
25	100 131 12323	VIIID III SCRIM ILIA	34	13341A2340	TEROU BHARATH
	18J45A2521	DADIJANDI CIDIJEED	34	1514140507	I AVIANDED DAY COMPANY
	10J4JAZJZ1	RADHANDI SUDHEER		15J41A2527	LAKKIREDDY CHENGAL
0.6		BABU			REDDY
26			35		
	18J45A2522	REDDIBOINA		15J41A2524	KATHERLA RAKESH
		VARDHAN			KUMAR
27			36		
	18J45A2502	AKULA GOPINATH			
28					
	17J41A2501	ALLE VAMSHI			
	170 11112001	BHARGAV		E-	-
29		Biniton			
	17J41A2544	THATIPAMULA SHIVA			
	17341112344	SAI			
20		SAI			
30					

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(Post Via Kompally), Sec'bad-500100



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Head of the Dept.

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Wellia Reddy Enga College





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

### DEPARTMENT OF MINING ENGINEERING

Value Added Course On Flame safety lamp handling certificate

16<sup>th</sup> – 21<sup>th</sup> December, 2019

### **SUMMARY REPORT**

Laws are always amended to include in its scope, when ever technology is taking new directions and whenever the societal needs change. Had law been not amended the control and regulation over the workings will not be there, resulting in chaos and lack of safety. Knowing about 1aw is every body's responsibility. It will be very useful to students to know about the relevant laws of mining as they will be using them in their daily life as Mining Engineers. Not only lawyers others who are using the law and are affected by the changes in the law, should be known to the implementers. Tomorrow's mining engineers will have an advantage if they are made aware of the latest of the law. Recently Coal Mines Regulations have been amended and other laws relevant to mines are in the process of change. In these regards it is felt necessary to updae the knowledge of the safety changes and amendments in mining legislation, keeping in the view a one week workshop from 16<sup>th</sup> to 21<sup>th</sup> December was arranges{ to augment the regular teaching at Malla Roddy Engineering College (A). Other teaching faculty from the nearby and group colleges, indusfiy person's form coal and metal mining are invited for participded in this workshop. The list of attendees is enclosed. 80 students in all of which Malla reddy college students of III and IV years, attended in this. Program. The resource persons were Mr. K. J.

Amarnath Retired Chief General

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

Head of the Dept.

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### Value Added Course Summarized Course Feedback Report

Calculating Averages of Student Ratings for 5-Point Scale

Department: MININING ENGINEERING

Name of the Value Added Course: FLAME SAFETY LAMP HANDLING CERTIFICATE

Academic year: 2019-20

Duration: 16<sup>th</sup> – 21<sup>st</sup>December, 2019

S.No	Parameter	Feedback All Parameters Scored Rank
1	Course Content	7.07
2	Skill development	4.64
3	Motivation	4.91
4	Regularity and punctuality of teacher	4.66
5	Coverage of content	4.73
6	Interaction	4.66
7	Individual attention	4.82
8	Outcome(s)	4.64

Suggestions: The Directorate General of Mines Safety (DGMS) Gas Testing Certificate is necessary for applying for all statutory posts related to below ground must have knowledge of mine gases and dealing with them. Flame safety lamp components and their functions; Change in flame on.

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

Hob- Mining Engg.
Head of the Dept.
Dept. of Mining
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Malla Reddy Engineering College Maisammaguda, Dhulapally, (Post Via Kompally), Sec'bad-500100.



(Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500100 (An UGC Autonomous Institution, Affiliated to JNTUH, Re-Accredited by NAAC with 'A' Grade, (II Cycle)

# Department of Mining Engineering Value Added Course on

## FLAME SAFETY LAMP HANDLING CERTIFICATE

# Certificate & participation

This is to certify that Dr./Mr./Ms/-

SHAIK IMRAN

has successfully

added Course conducted between 16<sup>th</sup> to 21<sup>st</sup> December, 2019.

Participated in the seven

Kaun

Mails Reddy Engineering Colleg-

Mac. saininagilda, Dhulapally,

Shri SK Sameer Pasha

Program Coordinator & Asst-Prof.

Department of Min-Engg.

Dr. K. Srinivas
Program Convener & Head
Department of Mining Engg.

Polerabad

Dr.A.Raveendra Co-Chairman & Principal MREC (A)



(Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500100 (An UGC Autonomous Institution, Affiliated to JNTUH, Re-Accredited by NAAC with 'A' Grade, (II Cycle)

# Department of Mining Engineering Value Added Course on

# FLAME SAFETY LAMP HANDLING CERTIFICATE

# Certificate & participation

This is to certify that Dr./Mr./Ms/-

GARA PAVAN KALYAN

added Course conducted between 16th to 21st December, 2019.

has successfully

Participated in the seven days

Malla Reday Engineering College Malsammaguda, Dhulapaliy,

(Post Viz Kompally), Sec'bad-500100

Shri SK Sameer Pasha

Program Coordinator & Asst-Prof.

Department of Min-Engg.

Dr. K. Srinivas
Program Convener & Head
Department of Mining Engg.

rolerabad

Dr.A.Raveendra Co-Chairman & Principal MREC (A)



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Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500100 (An UGC Autonomous Institution, Affiliated to JNTUH, Re-Accredited by NAAC with 'A' Grade, (II Cycle)

## Department of Mining Engineering Value Added Course on

# FLAME SAFETY LAMP HANDLING CERTIFICATE

# Certificate & participation

This is to certify that Dr./Mr./Ms/-	BANOTH KALYAN	has successfully
Inis is to certify that Brazilian		1 cth to 21 st December 2019
Participated in the seven days Value added (	Course conducted between	[6 [0 2] December, 2021

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

Dr.A.Raveendra Co-Chairman & Principal MREC (A)

Shri SK Sameer Pasha

Program Coordinator & Asst-Prof.

Department of Min-Engg.

N. K. Srinivas

Teram Convener & Head

partment of Mining Engg.



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Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500100 (An UGC Autonomous Institution, Affiliated to JNTUH, Re-Accredited by NAAC with 'A' Grade, (II Cycle)

# Department of Mining Engineering Value Added Course on

## FLAME SAFETY LAMP HANDLING CERTIFICATE

# Certificate & participation

This is to certify that Dr./Mr./Ms/-

MALLARAPU NARASIMHA

has successfully

Participated in the seven days Value added Course conducted between 16<sup>th</sup> to 21<sup>st</sup> December, 2019.

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

Shri SK Sameer Pasha

Program Coordinator & Asst-Prof.

Department of Min-Engg.

Dr. K. Srinivas
Program Convener & Head
Department of Mining Engg.

Dr.A.Raveendra Co-Chairman & Principal

MREC (A)



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Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500100 (An UGC Autonomous Institution, Affiliated to JNTUH, Re-Accredited by NAAC with 'A' Grade, (II Cycle)

## Department of Mining Engineering Value Added Course on

# FLAME SAFETY LAMP HANDLING CERTIFICATE

# Certificate & participation

			1£-11
This is to certify	y that Dr./Mr./Ms/-	NADEM RAVITEJA	has successfully
1 1112 12 to certit	y that District of A. A.		

Participated in the seven days Value added Course conducted between 16<sup>th</sup> to 21<sup>st</sup> December, 2019.

Program Coordinator & Asst-Prof. Department of Min-Engg.

Dr. K. Srinivas Program Convener & Head Department of Mining Engg. Co-Chairman & Principal

MREC (A)