



**MUFFAKHAM JAH**  
**COLLEGE OF ENGINEERING & TECHNOLOGY**

(Established by Sultan-Ul-Uloom Education Society in 1980)  
(Affiliated to Osmania University, Hyderabad)  
(Approved By The AICTE & Accredited By NBA)

From

Date: 8-9-2020

The Head

Civil Engineering Department

MJCET

To

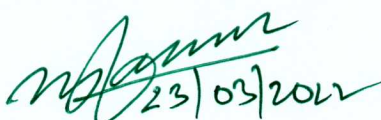
Dr. Qamar Sultana

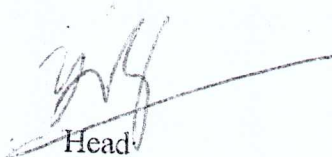
Associate Professor, CED.

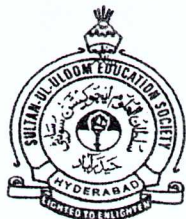
Sub: Conduction of training course on MATLAB software- Reg.

It is to inform you that the students require the awareness of the software applications in Civil Engineering and in the current scenario, the Civil Engineering students should have the knowledge of the MATLAB software which allows the complicated numerical computations along with the enhanced graphics interface. Hence, you are requested to design the syllabus and organize a training course for the Civil Engineering students and notify the department of the schedule.

Thanking You

  
23/03/2020  
**PRINCIPAL**  
Muffakham Jah College Of  
Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P

  
Head  
Civil Engineering Department  
HEAD  
CIVIL ENGINEERING DEPT.  
Muffakham Jah College of Engg. & Tech.  
Road No:3, Banjara Hills,  
Hyderabad-500 034.



# MUFFAKHAM JAH COLLEGE OF ENGINEERING & TECHNOLOGY

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Communication Letter

Date: 14-9-2020

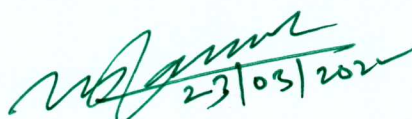
To  
The Head,  
Civil Engineering Dept,  
MJCET,  
Banjara Hills, Hyd.

Sub: Permission to organize training program on MATLAB software-Reg.  
Ref: Letter dated 8-9-2020.

Sir,

I am pleased to inform you that the program on 'Training on MATLAB software' (hands on experience) for the Civil Engineering students is scheduled as shown below. I kindly request you to grant the permission to conduct this training program.

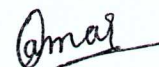
Dates of Training Program	21/9/2020 to 25/9/2020
Syllabus	Working with Matlab windows, knowing the arithmetic and algebraic calculations, matrices-addition, subtraction, multiplication, division, transpose, inverse, and determinant, solving simple linear equations, plotting graphs.
Course Coordinator	Dr. Qamar Sultana
Participants	B.E III <sup>rd</sup> and IV <sup>th</sup> year Civil Engineering students

  
23/09/2020

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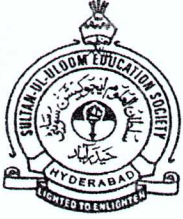
Course Coordinator



Dr. Qamar Sultana

Associate Professor(CED)





# MUFFAKHAM JAH COLLEGE OF ENGINEERING & TECHNOLOGY

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Date: 15-9-2020

## CIRCULAR

All the teaching staff members and students of Civil Engineering department are hereby informed that a 5 Day training program on MATLAB software with a hands-on experience is organized by the department of Civil Engineering from 21<sup>st</sup> September 2020 to 25<sup>th</sup> September 2020 in ONLINE MODE. All the interested faculty and students can register for the program by contacting the course coordinator mentioned below.

Course Coordinator

Dr. Qamar Sultana

Associate Professor (CED)

Head

Civil Engineering Department  
HEAD  
CIVIL ENGINEERING DEPT.  
Muffakham Jah College of Engg. & Tech.  
Road No:3, Banjara Hills,  
Hyderabad-500 034.

  
23/02/2021  
PRINCIPAL

Muffakham Jah College Of  
Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P.



**One Week Workshop  
on**

**Training on MATLAB software  
(hands on experience)**

**September 21-25, 2020**

**REGISTRATION FORM**

NAME: \_\_\_\_\_

DESIGNATION: \_\_\_\_\_

DEPARTMENT: \_\_\_\_\_

COLLEGE/INDUSTRY: \_\_\_\_\_

PHONE: \_\_\_\_\_

E-MAIL ID: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

**No Registration Fees**

**Organizing Committee**

**CONVENOR**

- Prof. (Dr.) Mohd. Hamraj, Head,  
Department of Civil Engineering, MJCET

**COURSE COORDINATOR**

- Dr. Qamar Sultana, Assoc. Professor,  
Department of Civil Engineering, MJCET

**Course objectives**

MATLAB software is one of the world's leading software application utilized for various mathematical computations in Civil Engineering. This course provides hands-on training on various tools in MATLAB software. A brief introduction to MATLAB tools such as Artificial Neural Networks and Fuzzy logic.

**Course contents**

- Introduction to MATLAB.
- Command window, workspace, command history, ending MATLAB session.
- Arithmetic and algebraic calculations, symbolic expressions and variables.
- Matrices- referencing the elements of a matrix.
- Array operations- matrix arithmetic operations, array arithmetic operations.
- Solving linear equations-matrix inverse, matrix functions. Exercises
- Plotting- graphs, adding titles, labels, grid lines and scaling on the graph.
- Introduction to MATLAB tools: ANN, Fuzzy Logic.



**MUFFAKHAM JAH**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

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Banjara Hills, Hyderabad 500 034

**One Week Workshop  
on**

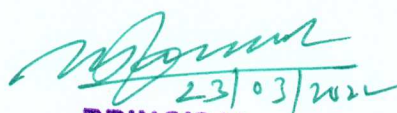
**Training on MATLAB software  
(hands on experience)**

**September 21-25, 2020**

*organised by*

**Department of Civil Engineering  
Muffakham Jah College of Engineering and  
Technology, Hyderabad - 500034**



  
23/03/2020

**PRINCIPAL**

**Muffakham Jah College Of  
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Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P**






**Muffakham Jah College of Engineering and Technology**  
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Banjara Hills, Hyderabad.

**Syllabus for program on 'Training on MATLAB software (hands on experience)'**  
**conducted during 21<sup>st</sup> to 25<sup>th</sup> September 2020**

S. No	Date	Topic Covered
1	21-09-2020	Introduction to Matlab, starting Matlab, Matlab windows- current folder, command window, workspace, command history, ending Matlab session, input and output, arithmetic and algebraic calculations, symbolic expressions, variables, errors in inputs
2	22-09-2020	Matrices- referencing the elements of a matrix, deleting a row or a column in a matrix, matrix operations, addition and subtraction of matrices, division of matrix, scalar operations of matrices, matrix multiplication, transpose, inverse, and determinant of a matrix. Exercises.
3	23-09-2020	Array operations- matrix arithmetic operations, array arithmetic operations. Solving linear equations-matrix inverse, matrix functions. Exercises
4	24-09-2020	Plotting- graphs, adding titles, labels, grid lines and scaling on the graph. Setting colors, axis scales. Exercises.
5	25-09-2020	Introduction to Matlab tools: ANN, Fuzzy Logic.

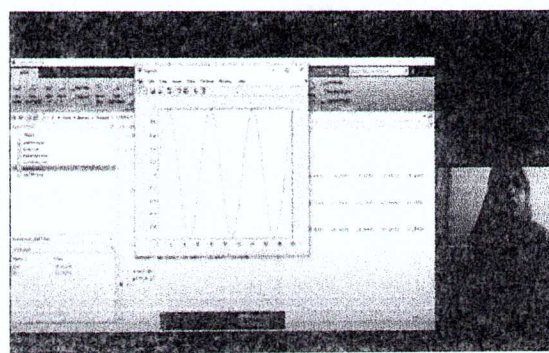
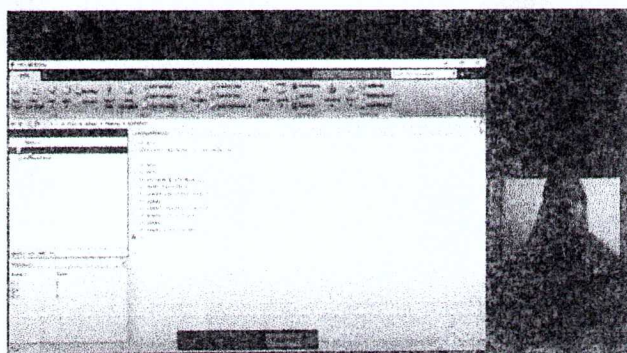
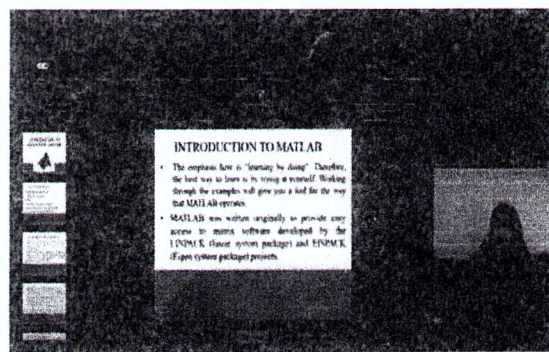
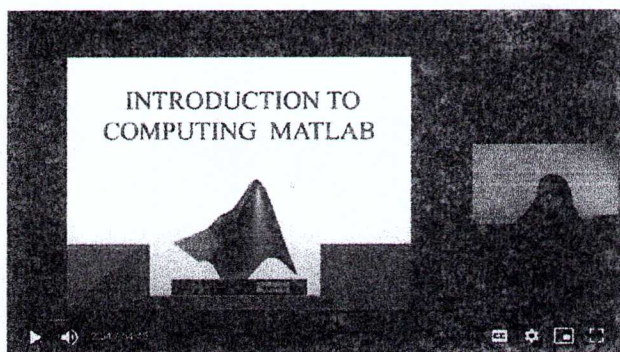
  
Course Coordinator  
Dr. Qamar Sultana

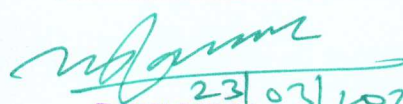
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Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P.



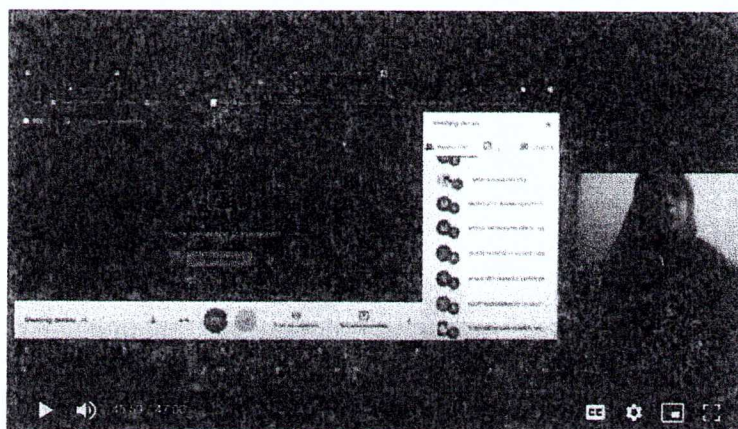
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Banjara Hills, Hyderabad.

1. Title of the Activity: Five-day program on "Training on MATLAB software" (Hands on Experience)
2. Program type: Workshop.(Online Mode)
3. If others, mention type of activity:
4. Dates: 21<sup>st</sup> to 25<sup>th</sup> September 2020.
5. Number of students participated: 30
6. Number of faculty participated: NIL
7. Number of external students participated: NIL
8. Objective: To provide opportunity for the Civil Engineering students to get exposure and training of application of softwares in the field of Civil Engineering.
9. Benefits in terms of Learning/skill/knowledge obtained: Get awareness and obtain skill in doing mathematical computations in the field of Civil Engineering.
10. Faculty Coordinator: Dr. Qamar Sultana
11. Student Coordinator if any: Sidra Ahmed
12. Photographs: 05



  
23/03/2022  
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13. Resource Person Name, Designation and Place: Dr. Qamar Sultana, Associate Professor, MJCET.

#### 14. Consolidated Report:

A training program of 5 days duration was conducted for MATLAB software by the Civil Engg. department with the title 'Training of MATLAB software with hands on practice'. The workshop was inaugurated by Dr. Basheer Ahmed Advisor cum Director MJCET, and Dr. Hamraj, HOD, Civil Engg. Dept. MJCET.

This course was designed with the aim of creating awareness on the application of soft computing skills in Civil Engineering. The topics taken up in the sessions were the introduction of Matlab software and its working windows to start work on it. The students were trained how to do the arithmetic and algebraic calculations. The important concept of the working of the Matlab software i.e., the matrices were discussed and taught to carry out various operations like addition, subtraction, multiplication, division, transpose, inverse, and determinant of matrices. The students were given hands on experience by making them solve simple linear equations through Matlab. One session was completely taken for training the students to plot the graphs, add labels to it and to scale the graphs. The students were introduced to the tools available in Matlab dealing with Artificial Intelligence such as ANN, Fuzzy Logic.

Students of III<sup>rd</sup> and IV<sup>th</sup> year Civil Engineering, Muffakham Jah College of Engineering and Technology have attended the training program. The student members of ICI, MJCET chapter were instrumental in the successful completion of the training program

*[Signature]*  
23/03/2022  
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*[Signature]*  
Head  
Civil Engineering Department  
HEAD  
CIVIL ENGINEERING DEPT.  
Muffakham Jah College of Engg. & Tech.  
Road No:3, Banjara Hills,  
Hyderabad-500 034.





**Attendance list**

Course Title: **Training on MATLAB software** Dates: **21-09-2020 to 25-09-2020**

Sl. No.	Roll Number	Name of Student	21-09-2020	22-09-2020	23-09-2020	24-09-2020	25-09-2020
1.	1604-18-732-001	NAZIYA	✓	✓	✓	✓	✓
2.	1604-18-732-002	AMEENA SULTANA	✓	✓	✓	✓	✓
3.	1604-18-732-003	SANA RAZAK	✓	✓	✓	✓	✓
4.	1604-18-732-004	ZEHRA BAIG	✓	✓	✓	✓	✓
5.	1604-18-732-005	SIDRA AHMED	✓	✓	✓	✓	✓
6.	1604-18-732-007	AMMER ABDUL HALEEM FAZI	✓	✓	✓	✓	✓
7.	1604-18-732-008	SYED ABDUL RAHMAN	✓	✓	✓	✓	✓
8.	1604-18-732-009	SYED AHMED SOHAIB	✓	✓	✓	✓	✓
9.	1604-18-732-011	MOHAMMED SHOEIB UDDIN	✓	✓	✓	✓	✓
10.	1604-18-732-012	MOHD. ZUBAIR UDDIN	✓	✓	✓	✓	✓
11.	1604-18-732-013	FAISAL AHMED SYED	✓	✓	✓	✓	✓
12.	1604-18-732-014	RAHMATH SHAREEF	✓	✓	✓	✓	✓
13.	1604-18-732-015	SYED SHOAB AMAAN	✓	✓	✓	✓	✓
14.	1604-18-732-016	MOHAMMED NADIR HUSSAIN	✓	✓	✓	✓	✓
15.	1604-18-732-017	SYED BASHARAT ALI	✓	✓	✓	✓	✓
16.	1604-18-732-018	MOHAMMED ABDUL	✓	✓	✓	✓	✓
17.	1604-18-732-019	MOHAMMED TAUFEEQ	✓	✓	✓	✓	✓
18.	1604-18-732-020	YOUNUS SHAIK	✓	✓	✓	✓	✓
19.	1604-18-732-021	MOHAMMED SAMER	✓	✓	✓	✓	✓
20.	1604-18-732-023	SHAIK MUZAMMIL	✓	✓	✓	✓	✓
21.	1604-18-732-024	SAYYED MOHAMMAD JUNAID	✓	✓	✓	✓	✓
22.	1604-18-732-025	AUSAF SIDDIQ HAZARI	✓	✓	✓	✓	✓
23.	1604-18-732-026	SYED AHMED	✓	✓	✓	✓	✓
24.	1604-18-732-027	SHAIK SHAIKBAZ PATEL	✓	✓	✓	✓	✓
25.	1604-18-732-028	MOHAMMED SHAHNAWAZ	✓	✓	✓	✓	✓
26.	1604-18-732-029	MOHMED ABUBAKER	✓	✓	✓	✓	✓
27.	1604-18-732-030	ABDUL LATEEF	✓	✓	✓	✓	✓
28.	1604-18-732-031	ARMAAN SHAIK	✓	✓	✓	✓	✓
29.	1604-18-732-032	SAFWATH ULLAH KHAN	✓	✓	✓	✓	✓
30.	1604-18-732-033	MD. ASHRAF ALI	✓	✓	✓	✓	✓

Signature of Faculty: \_\_\_\_\_

*(Signature)*

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Muftakham Jah College Of  
Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034, A.P.

*(Signature)*  
22/03/2021





## Muffakham Jah College of Engineering & Technology

Affiliated to Osmania University, Approved by AICTE & Accredited by NAAC

Civil Engineering Department

Training on MATLAB Software

### Certificate

This is to certify that Mr. /Ms. NAZIYA bearing Roll No. 160418732001 Student of B.E V/VIII Semester, Department of Civil Engineering, Muffakham Jah College of Engineering & Technology, Hyderabad has successfully completed Course Conducted on Training on MATLAB Software from 21-09-2020 to 25-09-2020.

Dr. Qamar Sultana  
Course Coordinator

Prof. Mohd. Hamraj  
Head Civil Engineering Department

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Banjara Hills, Road No.3,  
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## Muffakham Jah College of Engineering & Technology

Affiliated to Osmania University, Approved by AICTE & Accredited by NAAC

Civil Engineering Department

Training on MATLAB Software

### Certificate

This is to certify that Mr. /Ms. SIDRA AHMED bearing Roll No. 160418732005 Student of B.E V/VIII Semester, Department of Civil Engineering, Muffakham Jah College of Engineering & Technology, Hyderabad has successfully completed Course Conducted on Training on MATLAB Software from 21-09-2020 to 25-09-2020.

Dr. Qamar Sultana  
Course Coordinator

Prof. Mohd. Hamraj  
Head Civil Engineering Department

  
23/03/2021  
**PRINCIPAL**

Muffakham Jah College Of  
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HYDERABAD - 500 034. A.P





## Muffakham Jah College of Engineering & Technology

Affiliated to Osmania University, Approved by AICTE & Accredited by NAAC

Civil Engineering Department

Training on MATLAB Software

### Certificate

This is to certify that Mr. /Ms. YOUNUS SHAIK bearing Roll No. 160418732020 Student of B.E V/VIII Semester, Department of Civil Engineering, Muffakham Jah College of Engineering & Technology, Hyderabad has successfully completed Course Conducted on Training on MATLAB Software from 21-09-2020 to 25-09-2020.

Dr. Qamar Sultana  
Course Coordinator

Prof. Mohd. Hamraj  
Head Civil Engineering Department

  
23/03/2021  
**PRINCIPAL**  
Muffakham Jah College Of  
Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P



# Feedback Form - Training on MATLAB

Date: 21-09-2020 to 25-09-2020

Venue: MJCET

Name \*

NAZIYA

Roll. No. \*

1604-18-732-001

1. Were the objectives of the course clear to you ? \*

☒ Yes

☐ No

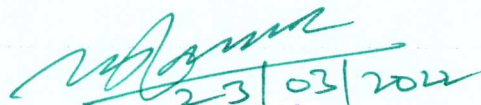
2. Does the course content meet with your expectations ? \*

☒ Strongly Agree

☐ Agree

☐ Don't Agree

☐ Strongly Don't Agree



**PRINCIPAL**

Muffakham Jah College Of  
Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P



3. Was the literature sequence well planned ? \*

- ☒ Strongly Agree
- ☐ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

4. Were the contents illustrated with adequate examples ? \*

- ☐ Strongly Agree
- ☒ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

5. Did the course expose you to new knowledge and practices ? \*

- ☒ Strongly Agree
- ☐ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

6. Will you recommend the course to your colleagues ? \*

- ☒ yes
- ☐ No
- ☐ May be

*Handwritten signature*  
23/03/2022

This form was created outside of your domain.



# Feedback Form - Training on MATLAB

Date: 21-09-2020 to 25-09-2020

Venue: MJCET

Name \*

SIDRA AHMED

Roll. No. \*

1604-18-732-005

1. Were the objectives of the course clear to you ? \*

☒ Yes

☐ No


2. Does the course content meet with your expectations ? \*

☐ Strongly Agree

☒ Agree

☐ Don't Agree

☐ Strongly Don't Agree

  
23/03/2024

**PRINCIPAL**  
Muffakham Jah College Of  
Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P



3. Was the literature sequence well planned ? \*

- ☐ Strongly Agree
- ☒ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

4. Were the contents illustrated with adequate examples ? \*

- ☒ Strongly Agree
- ☐ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

5. Did the course expose you to new knowledge and practices ? \*

- ☐ Strongly Agree
- ☒ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

6. Will you recommend the course to your colleagues ? \*

- ☐ yes
- ☐ No
- ☒ May be

This form was created outside of your domain.



# Feedback Form - Training on MATLAB

Date: 21-09-2020 to 25-09-2020

Venue: MJCET

Name \*

YOUNUS SHAIK

Roll. No. \*

1604-18-732-020

1. Were the objectives of the course clear to you ? \*

☒ Yes

☐ No

2. Does the course content meet with your expectations ? \*

☒ Strongly Agree

☐ Agree

☐ Don't Agree

☐ Strongly Don't Agree

  
23/03/2021  
**PRINCIPAL**

Muffakham Jah College Of  
Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P



3. Was the literature sequence well planned ? \*

- ☒ Strongly Agree
- ☐ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

4. Were the contents illustrated with adequate examples ? \*

- ☒ Strongly Agree
- ☐ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

5. Did the course expose you to new knowledge and practices ? \*

- ☒ Strongly Agree
- ☐ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

6. Will you recommend the course to your colleagues ? \*

- ☒ yes
- ☐ No
- ☐ May be

*Signature*  
23/03/2022

This form was created outside of your domain.





**Muffakham Jah College of Engineering and Technology**  
(THE SULTAN UL ULOOM EDUCATION SOCIETY)  
(Affiliated to Osmania University & Recognized by AICTE)  
Banjara Hills, Hyderabad.

**Students Feedback Summary Report for the short-term program "Training of MATLAB software" (A hands on experience)**

For the 5-Day program on "Training of Matlab Software" (Hands on Experience) conducted in online mode during 21<sup>st</sup> to 25<sup>th</sup> Sept 2020, feedback was collected from the participated students through google forms with the queries on clarity of contents, course contents fulfilling the expectations, planning of sequence of topics, illustration of contents with examples, novelty of the contents and practices.

At the ground level, the students benefitted from their participation in this course as 97% agree with the query of clarity of contents and course contents fulfilling the expectations. 92% students agreed with the query for planning of sequence of topics and 95% for the novelty of contents and practices. As such it can be concluded that this short-term training program was very well taken by the III<sup>rd</sup> and IV<sup>th</sup> year Civil Engineering students.

Dr. Qamar Sultana  
Course Coordinator

Head

Civil Engineering Department  
**HEAD**  
**CIVIL ENGINEERING DEPT.**  
Muffakham Jah College of Engg. & Te  
Road No:3, Banjara Hills,  
Hyderabad-500 034.

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(Established by Sultan-ul-Uloom Education Society in 1980)  
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(Approved By The AICTE & Accredited By NBA)

Date: 24-9-2020


From  
The Head  
Civil Engineering Department  
MJCET


To  
Dr. Moinuddin Ahmed  
Professor, CED.

Sub: Conduction of course on Advanced Geotechnical Engineering-Reg.

It is to inform you that the students require detailed knowledge of the geotechnical engineering for the design of foundations in the construction of Civil Engineering structures. Hence, you are requested to organize a workshop in this area, for Civil Engineering students and notify the department about the topic, contents, duration, and the scheduled program.

Thanking You

  
23/03/2022  
**PRINCIPAL**  
Muffakham Jah College Of  
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Head  
Civil Engineering Department  
HEAD  
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(Affiliated to Osmania University, Hyderabad)  
(Approved By The AICTE & Accredited By NBA)

## Communication Letter

Date: 28-9-2020

To  
The Head,  
Civil Engineering Dept,  
MJCET,  
Banjara Hills, Hyd.

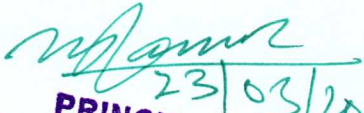
Sub: Permission to organize short term course on Advanced Geotechnical Engineering-Reg.

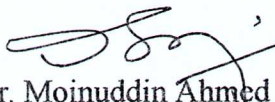
Ref: Letter dated 24-9-2020.

Sir,

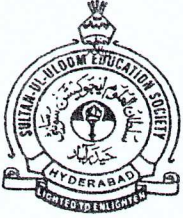
I am pleased to inform you that the workshop on 'Advanced Geotechnical Engineering' for the Civil Engineering students is scheduled as shown below. I kindly request you to grant the permission to conduct this program.

Dates of short-term course	20/10/2020 to 24/10/2020
Syllabus	Critical study of conventional methods of shallow foundation design, Determination of subgrade modulus and parameters influencing subgrade modulus, Time-dependent response, Beams on Elastic Foundation, infinite beam, Semi-infinite beam, Plates on Elastic Foundation (rectangular and circular), Use of Finite Difference Method (FDM), computer programs-based solution.
Course Coordinator	Dr. Moinuddin Ahmed
Participants	B.E Civil Engineering III <sup>rd</sup> and IV <sup>th</sup> year students

  
23/03/2022  
**PRINCIPAL**  
Muffakham Jah College Of  
Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P

Course Coordinator  
  
Dr. Moinuddin Ahmed  
Professor (CED)





# MUFFAKHAM JAH COLLEGE OF ENGINEERING & TECHNOLOGY

(Established by Sultan-Ul-Uloom Education Society in 1980)  
(Affiliated to Osmania University, Hyderabad)  
(Approved By The AICTE & Accredited By NBA)

Date: 29-9-2020

## CIRCULAR

All the teaching staff members and students of Civil Engineering department are hereby informed that a 5 Day short term course on Advanced Geotechnical Engineering is organized by the Department of Civil Engineering from 20<sup>th</sup> October 2020 to 24<sup>th</sup> October 2020 in ONLINE MODE. All the interested faculty and students can register for the program by contacting the course coordinator mentioned below.

Course Coordinator

Dr. Moinuddin Ahmed

Professor (CED).

Head

Civil Engineering Department

HEAD

CIVIL ENGINEERING DEPT.  
Muffakhham Jah College of Engg. & Tech.  
Road No:3, Banjara Hills,  
Hyderabad-500 034.

PRINCIPAL

Muffakhham Jah College Of  
Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P



**One Week Short term Course  
on  
Advanced Geotechnical  
Engineering  
October 20-24, 2020  
REGISTRATION FORM**

NAME: \_\_\_\_\_  
DESIGNATION: \_\_\_\_\_  
DEPARTMENT: \_\_\_\_\_  
COLLEGE/INDUSTRY: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
E-MAIL ID: \_\_\_\_\_  
SIGNATURE: \_\_\_\_\_

**No Registration Fees**

**Organizing Committee**

**CONVENOR**

- Prof. (Dr.) Mohd. Hamraj, Head,  
Department of Civil Engineering, MJCET

**COURSE COORDINATOR**

- Dr. Moinuddin Ahmed, Professor,  
Department of Civil Engineering, MJCET

**Course objectives**

Geotechnical engineering is the branch of civil engineering having wide range of applications such as oil and gas, mining, construction, agriculture, water utilities, transportation, landfill, coastal restoration, dredging, and many more. Hence, the main objective of this course is to make the participants familiar with the some of the geotechnical applications such as foundations, subgrade modulus and soil structure interactions.

**Course contents**

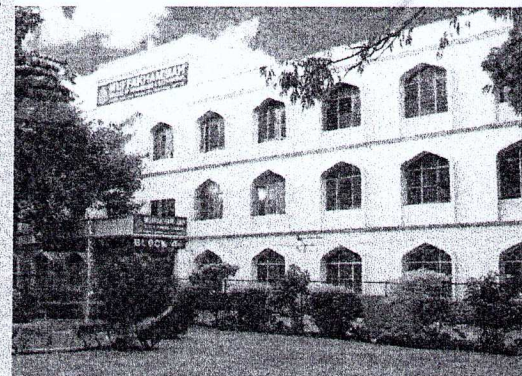
- Critical study of conventional methods of shallow foundation design.
- Contact pressure and soil-structure interaction for shallow foundation.
- Concept of subgrade modulus, determination of subgrade modulus, parameters influencing subgrade modulus.
- Beams with finite length and various end conditions.
- Use of Finite Difference Method (FDM) for soil structure interaction problems.
- Computer programs-based solution of different interaction problems such as beams, plates, application of foundation models in real life problem.



**MUFFAKHAM JAH**  
COLLEGE OF ENGINEERING & TECHNOLOGY  
HYDERABAD

**One Week Short term Course  
on  
Advanced Geotechnical  
Engineering  
October 20-24, 2020**

**organised by  
Department of Civil Engineering  
Muffakham Jah College of Engineering and  
Technology, Hyderabad - 500034**



*Moinuddin Ahmed*  
23/03/2022

**PRINCIPAL**

**Muffakham Jah College Of  
Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P**





**Muffakham Jah College of Engineering and Technology**  
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Banjara Hills, Hyderabad.

**Syllabus for short term course on “Advanced Geotechnical Engineering” conducted during  
20<sup>th</sup> to 24<sup>th</sup> October 2020**

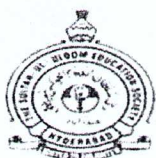
S. No	Date	Topic Covered
1	20-10-2020	Introduction, critical study of conventional methods of shallow foundation design: bearing capacity and settlement calculation, Critical study of conventional methods of shallow foundation design (continued), contact pressure and soil-structure interaction for shallow foundation, concept of subgrade modulus, determination of subgrade modulus, parameters influencing subgrade modulus.
2	21-10-2020	Determination of subgrade modulus and parameters influencing subgrade modulus (continued). Different foundation models (such as one-parameter, two-parameter models etc.) with linear and nonlinear stress-strain characteristics. Time-dependent response, Beams on Elastic Foundation, infinite beam.
3	22-10-2020	Infinite beam (continued), infinite beam subjected to various loading conditions, semi-infinite beam. Semi-infinite beam (continued), beams with finite length.
4	23-10-2020	Beams with finite length and various end conditions, continuity among the foundation soil layers. Continuity among the foundation soil layers (continued), beams on two-parameter soil medium (infinite and finite beam), beam with variable EI and subgrade modulus. Plates on Elastic Foundation (rectangular and circular), plates on two-parameter soil medium, use of Finite Difference Method (FDM) for soil structure interaction problems.
5	24-10-2020	Use of Finite Difference Method (FDM) for soil structure interaction problems (continued), computer programs-based solution of different interaction problems such as beams, plates, application of foundation models in real life problem. Group action of pile, Elastic Analysis, settlement of pile group under compressive load by Interaction Factor Approach, negative skin friction. Laterally loaded piles, Reese and Matlock's generalized solution, displacement of pile group under lateral load by Interaction Factor Approach, Uplift capacity of piles and anchors.

*Moinuddin Ahmed*  
23/03/2022  
**PRINCIPAL**  
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Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P.

*Moinuddin Ahmed*  
Course Coordinator

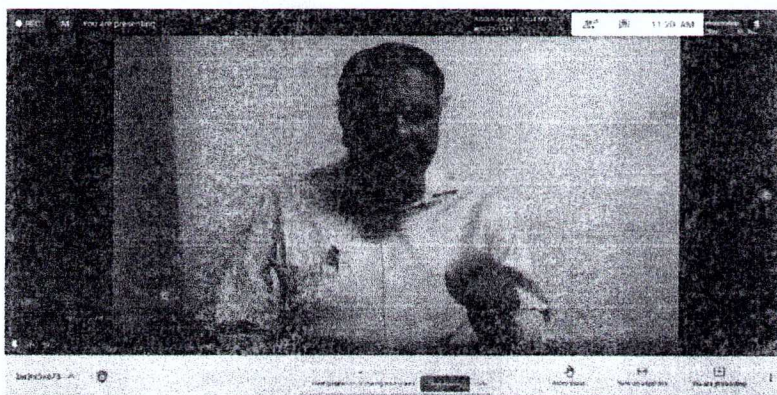
Dr. Moinuddin Ahmed





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Banjara Hills, Hyderabad.

1. Title of the Activity: Five-day short-term course on "Advanced Geotechnical Engineering"
2. Program type: Short term course.
3. If others, mention type of activity:
4. Dates: 20<sup>th</sup> to 24<sup>th</sup> October 2020.
5. Number of students participated: 30
6. Number of faculty participated: NIL
7. Number of external students participated: NIL
8. Objective: This course was designed with the aim of creating awareness on the interaction effects of soil and structure as a strong structure can fail due to weak soil.
9. Benefits in terms of Learning/skill/knowledge obtained: The students got the knowledge of the finite difference method for the solution of soil structure interaction and its application.
10. Faculty Coordinator: Dr. Moinuddin Ahmed
11. Student Coordinator if any: Mir Omer Ali
12. Photographs: 01



13. Resource Person Name, Designation and Place: Dr. Moinuddin Ahmed, Professor (CED), MJCET.

14. Consolidated Report:

A short-term course of 5 days was conducted in the area of Geotechnical Engg. by the Civil Engg. department on the title "Soil Structure Interaction". The workshop was inaugurated by Dr. Basheer Ahmed, Advisor cum Director, MJCET, and Dr. Hamraj, HOD, Civil Engg. Dept. MJCET.

*Moinuddin Ahmed*  
22/03/2022  
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Engineering & Technology,  
Banjara Hills, Road No.3,  
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This course was designed with the aim of creating awareness on the interaction effects of soil and structure as a strong structure can fail due to weak soil. The topics incorporated in the course are computation of bearing capacity of footings and settlement of the structure as these are the two main causes of foundation failure. The settlement is much influenced by the modulus of subgrade reaction. To understand the computation of modulus of subgrade reaction the concept of beam on an elastic foundation was introduced besides stress- strain characteristics of the soil. The use of finite difference method for the solution of soil structure interaction problems was introduced and the application was explained. Both shallow and deep foundations were covered. In deep foundations, Pile group interaction effects with pile soil interaction and pile group settlement were covered and finally the course was concluded with the study of the behavior of laterally loaded piles and the importance of course was highlighted.

Students of III<sup>rd</sup> & IV<sup>th</sup> year, Civil Engineering, MJCET have attended this training program. The student members of ICI, MJCET chapter were instrumental in the successful completion of the training program.



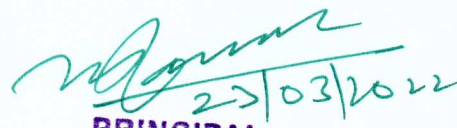
Civil Engineering Department

HEAD

CIVIL ENGINEERING DEPT.

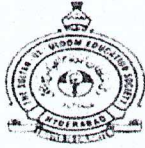
Muffakham Jah College of Engg. & Tech.

Road No:3, Banjara Hills,  
Hyderabad-500 034.

  
27/03/2022

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Banjara Hills, Hyderabad.

**Attendance list**

**Course Title:** Advanced Geotechnical Engineering **Dates:** 20-10-2020 to 24-10-2020

Sl. No.	Roll Number	Name of Student	20-10-2020	21-10-2020	22-10-2020	23-10-2020	24-10-2020
1.	1604-17-732-001	MS. MAHE MEHROZ	✓	✓	✓	✓	✓
2.	1604-17-732-002	MS. AHMADI FATIMA	✓	✓	✗	✗	✓
3.	1604-17-732-003	MS. ASRA ANJUM	✓	✓	✓	✓	✓
4.	1604-17-732-004	MS. SHOIBA ZAIDI	✓	✗	✗	✗	✓
5.	1604-17-732-005	MOHAMMED AMAAN	✓	✗	✓	✓	✗
6.	1604-17-732-006	ARSHAD PASHA MOHAMMED	✓	✓	✓	✗	✗
7.	1604-17-732-007	MOHD. SAMEER	✗	✗	✓	✓	✓
8.	1604-17-732-008	ABDULLAH	✓	✓	✗	✗	✓
9.	1604-17-732-009	SYED ABDUL REHAMAN	✗	✗	✓	✓	✗
10.	1604-17-732-010	MOHAMMED RAGIB	✓	✓	✓	✗	✓
11.	1604-17-732-011	MOHAMMED FAIZANUDDIN	✗	✗	✗	✓	✓
12.	1604-17-732-012	RAZIUDDIN AHMED	✓	✓	✓	✓	✓
13.	1604-17-732-013	MOHAMMED SUMEIRUDDIN	✓	✗	✗	✓	
14.	1604-17-732-014	SHAIK MOHAMMED TANVEER	✓	✓	✓	✓	✓
15.	1604-17-732-015	MIRZA HASAN ALI	✓	✓	✗	✓	✗
16.	1604-17-732-016	SYED SALMAN AHMED	✗	✗	✓	✗	
17.	1604-17-732-017	MOHD. ABDUL RAZZIQ	✓	✓	✓	✓	✓
18.	1604-17-732-018	MOHAMMED HISHAM ALI	✓	✓	✗	✓	✓
19.	1604-17-732-019	MOHAMMAD SAMEER AHMED		✓	✓	✓	✓
20.	1604-17-732-020	MIR MUJTABA ALI	✓	✓	✓	✓	✗
21.	1604-17-732-021	ROME MOHAMMED IMAM	✓	✓	✗	✗	✓
22.	1604-17-732-022	SHAIK IFTEQUAR		✓	✓	✓	✗
23.	1604-17-732-023	MOHAMMED MAHMOOD	✓	✓	✓	✗	✗
24.	1604-17-732-024	MIR OMER ALI	✗	✓	✓	✓	✓
25.	1604-17-732-025	KASHIF AHMED	✓	✓	✓	✗	✗
26.	1604-17-732-032	MOHD. SHOEBA ALI	✓	✗	✓	✓	✓
27.	1604-17-732-033	MURTUJA AFSAR	✓	✓	✓	✓	✓
28.	1604-17-732-034	MIRZA MAAZ BAIG	✓	✗	✗	✗	✗
29.	1604-17-732-035	MOHAMMED AKIF ALI	✓	✓	✓	✓	✓
30.	1604-17-732-035	MOHD. HUSBAAN HASSAN	✓	✗	✓	✓	✓

Signature of Faculty: \_\_\_\_\_

*[Signature]*  
23/10/2022  
**PRINCIPAL**  
Muffakham Jah College Of  
Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P





## **Muffakham Jah College of Engineering & Technology**

Affiliated to Osmania University, Approved by AICTE & Accredited by NAAC

**Civil Engineering Department**

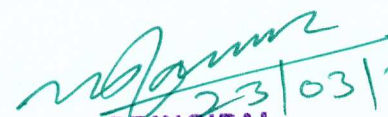
### **Advance Geotechnical Engineering**

#### **Certificate**

This is to certify that Mr. /Ms. MS. MAHE MEHROZ bearing Roll No. 160417732001 Student of B.E VII/VIII Semester, Department of Civil Engineering, Muffakham Jah College of Engineering & Technology, Hyderabad has successfully completed Course Conducted on Advanced Geotechnical Engineering from 20-10-2020 to 24-10-2020.

**Dr. Moinuddin Ahmed**  
Course Coordinator

**Prof. Mohd. Hamraj**  
Head Civil Engineering Department

  
23/03/2022  
**PRINCIPAL**  
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Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P





## **Muffakham Jah College of Engineering & Technology**

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**Civil Engineering Department**

### **Advance Geotechnical Engineering**

#### **Certificate**

This is to certify that Mr. /Ms. MIR OMER ALI bearing Roll No. 160417732024 Student of B.E VII/VIII Semester, Department of Civil Engineering, Muffakham Jah College of Engineering & Technology, Hyderabad has successfully completed Course Conducted on Advanced Geotechnical Engineering from 20-10-2020 to 24-10-2020.

**Dr. Moinuddin Ahmed**  
Course Coordinator

**Prof. Mohd. Hamraj**  
Head Civil Engineering Department

  
23/03/2022

**PRINCIPAL**

Muffakham Jah College Of  
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**Civil Engineering Department**

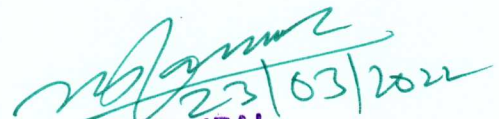
### **Advance Geotechnical Engineering**

#### **Certificate**

This is to certify that Mr. /Ms. ABDULLAH bearing Roll No. 160417732008 Student of B.E VII/VIII Semester, Department of Civil Engineering, Muffakham Jah College of Engineering & Technology, Hyderabad has successfully completed Course Conducted on Advanced Geotechnical Engineering from 20-10-2020 to 24-10-2020.

**Dr. Moinuddin Ahmed**  
Course Coordinator

**Prof. Mohd. Hamraj**  
Head Civil Engineering Department

  
**PRINCIPAL**  
Muffakham Jah College Of  
Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P.

# Feedback Form - Advanced Geotechnical Engineering

Date: 20-10-2020 to 24-10-2020

Venue: MJCET

Name \*

ABDULLAH

Roll. No. \*

1604-17-732-008

1. Were the objectives of the course clear to you ? \*

☒ Yes

☐ No


2. Does the course content meet with your expectations ? \*

☐ Strongly Agree

☒ Agree

☐ Don't Agree

☐ Strongly Don't Agree

  
23/05/2022

**PRINCIPAL**

Muffakham Jah College Of  
Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P



3. Was the literature sequence well planned ? \*

- ☐ Strongly Agree
- ☒ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

4. Were the contents illustrated with adequate examples ? \*

- ☐ Strongly Agree
- ☒ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

5. Did the course expose you to new knowledge and practices ? \*

- ☐ Strongly Agree
- ☒ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

6. Will you recommend the course to your colleagues ? \*

- ☒ yes
- ☐ No
- ☐ May be

This form was created inside of MJCET.

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**PRINCIPAL**  
Muffakham Jah College Of  
Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P.

# Feedback Form - Advanced Geotechnical Engineering

Date: 20-10-2020 to 24-10-2020

Venue: MJCET

Name \*

MS. MAHE MEHROZ

Roll. No. \*

1604-17-732-001

1. Were the objectives of the course clear to you ? \*

☒ Yes

☐ No

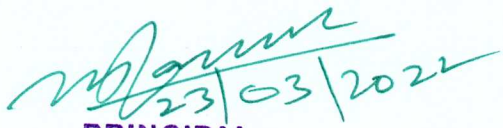
2. Does the course content meet with your expectations ? \*

☒ Strongly Agree

☐ Agree

☐ Don't Agree

☐ Strongly Don't Agree

  
23/03/2022  
**PRINCIPAL**  
Muffakham Jah College Of  
Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P



3. Was the literature sequence well planned ? \*

- ☐ Strongly Agree
- ☒ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

4. Were the contents illustrated with adequate examples ? \*

- ☒ Strongly Agree
- ☐ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

5. Did the course expose you to new knowledge and practices ? \*

- ☒ Strongly Agree
- ☐ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

6. Will you recommend the course to your colleagues ? \*

- ☐ yes
- ☐ No
- ☒ May be

This form was created inside of MJCEET



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Banjara Hills, Hyderabad.

## **Students Feedback Summary Report for the short-term program “Advanced Geotechnical Engineering (Soil Structure Interaction)”**

For the 5-Day program on “Advanced Geotechnical Engineering (Soil Structure Interaction)” conducted in online mode during 20<sup>th</sup> to 24<sup>th</sup> Oct 2020, feedback was collected from the participated students through google forms with the queries on clarity of contents, course contents fulfilling the expectations, planning of sequence of topics, illustration of contents with examples, novelty of the contents and practices.

Basically, the students benefitted from their participation in this course as 94% agree with the query of clarity of contents and course contents fulfilling the expectations. 90% students agreed with the query for planning of sequence of topics and 92% for the novelty of contents and practices. As such it can be concluded that this short-term program was very well taken by the III<sup>rd</sup> and IV<sup>th</sup> year Civil Engineering students.

Dr. Moinuddin Ahmed

Course Coordinator

Head

Civil Engineering Department

**HEAD**  
**CIVIL ENGINEERING DEPT.**  
Muffakham Jah College of Engg. & Tec.  
Road No:3, Banjara Hills,  
Hyderabad-500 034.

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Date: 28-10-2020

From  
The Head,  
Civil Engineering Department,  
MJCET.

To  
Mr. Shakeel Aijaz,  
Associate Professor, CED.

Sub: Conduction of course on Urban Transport Systems-Reg.

It is to inform you that the students require the detailed knowledge of the urban transport systems for dealing with the Civil Engineering projects. Hence, you are requested to organize a workshop in this area of Civil Engineering and notify the department about the topic, contents, duration, and the scheduled program.

Thanking You

Head

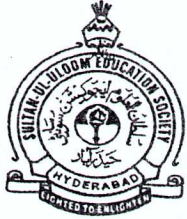
Civil Engineering Department

HEAD

CIVIL ENGINEERING DEPT.  
Muffakhham Jah College of Engg. & Tech.  
Road No:3, Banjara Hills,  
Hyderabad-500 034.

PRINCIPAL

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Communication Letter

Date: 2-11-2020

To  
The Head,  
Civil Engineering Dept.,  
MJCET,  
Banjara Hills, Hyd.


Sub: Permission to organize workshop on Urban Transport Systems-Reg.

Ref: Letter dated 28-10-2020.

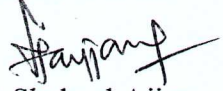
Sir,

I am pleased to inform you that the program on 'Urban Transport Systems' for the Civil Engineering students is scheduled as shown below. I kindly request you to grant the permission to conduct this program.

Dates for the Program	9/11/2020 to 13/11/2020
Syllabus	Overview of urban transportation, Public Transportation, Non-Motorised Transportation (NMT) Planning, Urban Transport & Sustainability.
Course Coordinator	Mr. Shakeel Aijaz
Participants	B.E III <sup>rd</sup> and IV <sup>th</sup> year Civil Engineering students

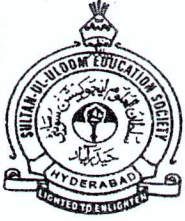
  
23/03/2022  
**PRINCIPAL**  
Muffakham Jah College Of  
Engineering & Technology,  
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HYDERABAD - 500 034. A.P

Course Coordinator

  
Mr. Shakeel Aijaz

Associate Professor(CED)





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Date: 3-11-2020

## CIRCULAR

All the teaching staff members and students of Civil Engineering department are hereby informed that a 5 Day program on Urban Transport Systems is organized by the department of Civil Engineering from 9<sup>th</sup> November to 13<sup>th</sup> November 2020 in ONLINE MODE. All the interested faculty and students can register for the program by contacting the course coordinator mentioned below.

Course Coordinator

Mr. Shakeel Aijaz

Associate Professor (CED)

Head

Civil Engineering Department

HEAD

CIVIL ENGINEERING DEPT.  
Muffakhham Jah College of Engg. & Tech.  
Road No:3, Banjara Hills,  
Hyderabad-500 034.

**PRINCIPAL**

Muffakhham Jah College Of  
Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P



**One Week Short term Course  
on  
Urban Transport Systems  
November 9-13, 2020**

**REGISTRATION FORM**

NAME: \_\_\_\_\_  
DESIGNATION: \_\_\_\_\_  
DEPARTMENT: \_\_\_\_\_  
COLLEGE/INDUSTRY: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
E-MAIL ID: \_\_\_\_\_  
SIGNATURE: \_\_\_\_\_

**No Registration Fees**

**Organizing Committee**

**CONVENOR**

- Prof. (Dr.) Mohd. Hamraj, Head,  
Department of Civil Engineering, MJCET

**COURSE COORDINATOR**

- Mr. Shakeel Ayjaz, Assoc. Professor,  
Department of Civil Engineering, MJCET

**Course objectives**

Growing urban population in rapidly expanding cities has resulted in growing urban travel demand. A variety of transport modes, both private (walking, cycling, two-wheelers, and cars) and public (para transit, buses, BRTS, light rail, monorail, suburban rail and metro) are used to meet these travel needs. Urban transportation plays a key role in urban development. The current course gives a detailed information on the Urban Transportation Systems.

**Course contents**

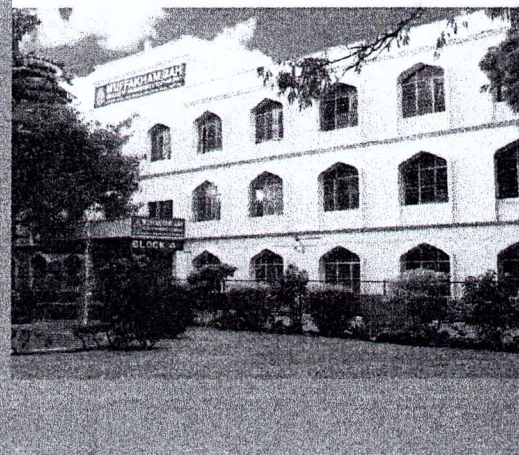
- Overview of urban transportation, Urbanization and Transport, Key issues in urban transportation, Challenges in urban transportation.
- Introduction to public transportation, Basic operating elements of public transportation, Bus Transportation, Financing public transportation, Transit marketing, Rail transportation, Intermediate Public Transportation
- Non-Motorized Transportation (NMT) Planning.
- Urban Transport & Sustainability.



**MUFFAKHAM JAH**  
**COLLEGE OF ENGINEERING & TECHNOLOGY**  
( THE SULTAN OF ULUOM EDUCATION SOCIETY )  
Affiliated to Osmania University & Recognised by AICTE  
Banjara Hills, Hyderabad 500 034

**One Week Short term Course  
on  
Urban Transport Systems  
November 9-13, 2020**

*organised by*  
**Department of Civil Engineering  
Muffakham Jah College of Engineering and  
Technology, Hyderabad - 500034**



*[Signature]*  
23/03/2022

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Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P**

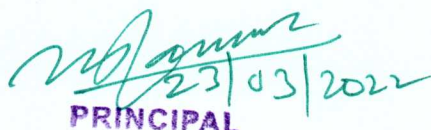




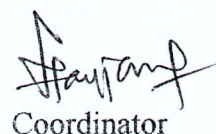
**Muffakham Jah College of Engineering and Technology**  
(THE SULTAN UL ULOOM EDUCATION SOCIETY)  
(Affiliated to Osmania University & Recognized by AICTE)  
Banjara Hills, Hyderabad.

**Syllabus for program on 'Urban Transport Systems' conducted during 9th November 2020  
to 13th November 2020**

S. No	Date	Topic Covered
1	9-11-2020	Overview of urban transportation: Urbanization and Transport, Key issues in urban transportation, Challenges in urban transportation. Travel demand modelling overview, Vehicular Level of Service (LOS) overview.
2	10-11-2020	Public Transportation: Introduction to public transportation, Basic operating elements of public transportation, Bus Transportation. Financing public transportation, Transit marketing, Rail transportation Intermediate Public Transportation, Measuring performance of transit systems. Advanced operation concepts of public transportation, Bus and Rail Transit Capacity, Station Capacity, Transit Stop Location.
3	11-11-2020	Non-Motorised Transportation (NMT) Planning: Introduction to NMT Systems, Assessing existing NMT scenario, Data collection and analysis in NMT Planning. Introduction to NMT systems, Basic NMT Characteristics, Pedestrian Data Collection and Flow Characteristics, PTS Case Studies Pedestrian flow characteristics on facilities, Pedestrian Level of Service (PLOS) based on Flow models.
4	12-11-2020	Non-Motorised Transportation (NMT) Planning: Other types of Pedestrian Level of Service (PLOS) HCM 2010, Methodology for PLOS HCM 2010, Bicycle Facilities and Level of Service (BLOS), BLOS and Bicycle Compatibility Index (BCI). NMT Design Principles Design of Pedestrian Infrastructure, Design of Cycling Infrastructure.
5	13-11-2020	Urban Transport & Sustainability: Travel Demand Management (TDM) overview. Push measures cases; Pull measure cases, Parking Studies, Transit Oriented Development (TOD). Introduction to Intelligent Transportation Systems (ITS) , ITS components, applications and communication ITS Architecture Electronic Toll Collection (ETC), Public Bicycle Sharing (PBS) System with ITS.

  
23/03/2022  
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Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P

  
Coordinator

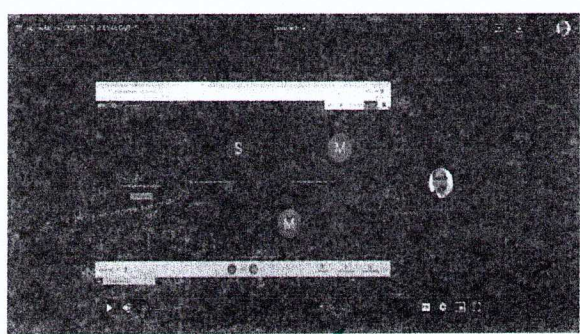
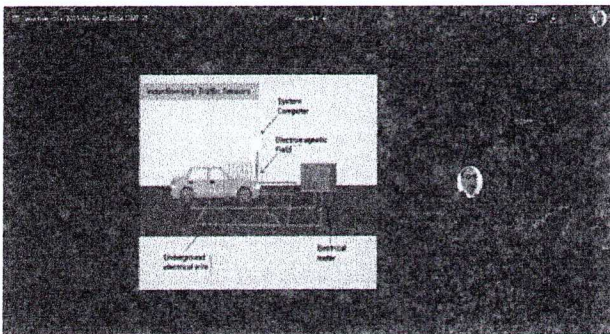
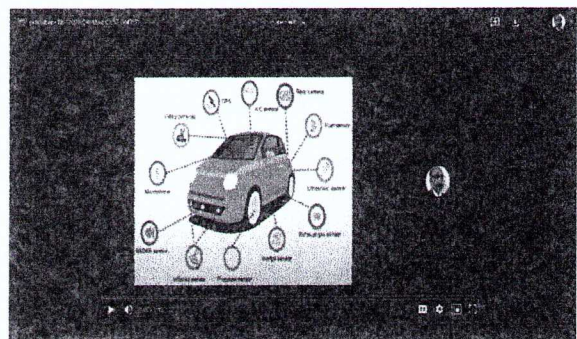
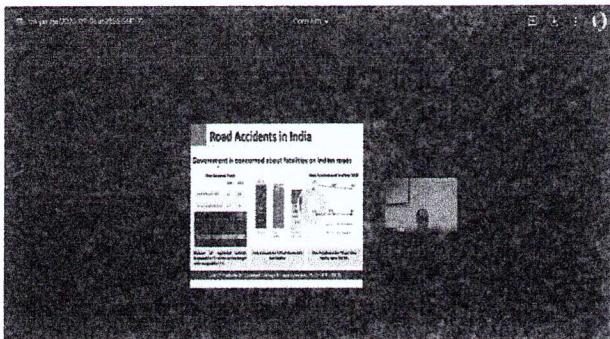
Mr. Shakeel Aijaz





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(Affiliated to Osmania University & Recognized by AICTE)  
Banjara Hills, Hyderabad.

1. Title of the Activity: Five-day program on "Urban Transport Systems"
2. Program type: Short term course.
3. If others, mention type of activity:
4. Dates: 9th to 13th November 2020.
5. Number of students participated: 30
6. Number of faculty participated: NIL
7. Number of external students participated: NIL
8. Objective: This course was designed with the aim of creating awareness on the key issues and challenges in urban transportation.
9. Benefits in terms of Learning/skill/knowledge obtained: Get awareness in urban transport systems and obtain the information of Intelligent transport systems.
10. Faculty Coordinator: Mr. Shakeel Aijaz
11. Student Coordinator if any: Mohd. Ibrahim Ali Khan
12. Photographs: 05



*[Signature]*  
23/03/2022  
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HYDERABAD - 500 034. A.P









Attendance list

Course Title: Urban Transport Systems Dates: 09-11-2020 to 13-11-2020

Sl. No.	Roll Number	Name of Student	09-11-2020	10-11-2020	11-11-2020	12-11-2020	13-11-2020
1.	1604-17-732-061	MOHD. IBRAHIM ALI KHAN	✓	✓	✓	✓	✓
2.	1604-17-732-062	SYED NOUMAN AHMED	✓	✓	✓	✓	✓
3.	1604-17-732-063	V. PANKAJ KUMAR	✓	✓	✓	✓	✓
4.	1604-17-732-064	MOHD ASHRAF ALI	✓	✓	✓	✓	✓
5.	1604-17-732-065	UZAIR RAHMAN KHAN	✓	✓	✓	✓	✓
6.	1604-17-732-066	SUJIT SUKAMANCHI	✓	✓	✓	✓	✓
7.	1604-17-732-067	MOOSAAB MUNNEER AHMED	✓	✓	✓	✓	✓
8.	1604-17-732-068	MOHAMMAD ABDUL MAJID	✓	✓	✓	✓	✓
9.	1604-17-732-073	SHAIK HASEEB HUSSAIN	✓	✓	✓	✓	✓
10.	1604-17-732-074	SYED MUATHAF AHMED	✓	✓	✓	✓	✓
11.	1604-17-732-075	KHALILULLA MOHD ABDUL	✓	✓	✓	✓	✓
12.	1604-17-732-076	MOHAMMAD AYYUB KHAN	✓	✓	✓	✓	✓
13.	1604-17-732-077	SYED SOHAIL AKHTAR	✓	✓	✓	✓	✓
14.	1604-17-732-078	MOHAMMED SAJID ALI	✓	✓	✓	✓	✓
15.	1604-17-732-112	NUMAN AHMED	✓	✓	✓	✓	✓
16.	1604-17-732-113	MOHD. AASIM UDDIN	✓	✓	✓	✓	✓
17.	1604-17-732-114	MOHAMMAD SULEMAN KHAN	✓	✓	✓	✓	✓
18.	1604-17-732-115	MD. NOUMAN UDDIN	✓	✓	✓	✓	✓
19.	1604-17-732-116	SYED MUTABA AHMED	✓	✓	✓	✓	✓
20.	1604-17-732-117	ABDUL NAWAZ KHAN	✓	✓	✓	✓	✓
21.	1604-17-732-313	MOHAMMED SHOYAB	✓	✓	✓	✓	✓
22.	1604-17-732-314	MOHD. JABBAR UDDIN	✓	✓	✓	✓	✓
23.	1604-17-732-315	MOHAMMED ABDUL FAHAD	✓	✓	✓	✓	✓
24.	1604-17-732-316	SHAIK ABDUL RAZZAK	✓	✓	✓	✓	✓
25.	1604-17-732-317	MOHAMMED HANIF SHAHBAZ	✓	✓	✓	✓	✓
26.	1604-17-732-318	CHEGURI YASHWANTH	✓	✓	✓	✓	✓
27.	1604-17-732-319	MOHD. ABDULLAH	✓	✓	✓	✓	✓
28.	1604-17-732-320	SYED FARHAN KHATA	✓	✓	✓	✓	✓
29.	1604-17-732-321	M. NOUMAN BAIG	✓	✓	✓	✓	✓
30.	1604-17-732-322	AMER KHAN	✓	✓	✓	✓	✓

Signature of Faculty: \_\_\_\_\_

Principal  
23/03/2022  
Murthakham Jah College of Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034, A.P.





## Muffakham Jah College of Engineering & Technology

Affiliated to Osmania University, Approved by AICTE & Accredited by NAAC

Civil Engineering Department

### Urban Transport Systems

#### Certificate

This is to certify that Mr. /Ms. MOHD. IBRAHIM ALI KHAN bearing Roll No. 160417732061 Student of B.E VII/VIII Semester, Department of Civil Engineering, Muffakham Jah College of Engineering & Technology, Hyderabad has successfully completed Course Conducted on Urban Transport Systems from 09-11-2020 to 13-11-2020.

Mr. Shakeel Ayjaz  
Course Coordinator

Prof. Mohd. Hamraj  
Head Civil Engineering Department

23/03/2022  
**PRINCIPAL**  
Muffakham Jah College Of  
Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034, A.P





## **Muffakham Jah College of Engineering & Technology**

Affiliated to Osmania University, Approved by AICTE & Accredited by NAAC

**Civil Engineering Department**

**Urban Transport Systems**

### **Certificate**

This is to certify that Mr. /Ms. NUMAAN AHMED bearing Roll No. 160417732112 Student of B.E VII/VIII Semester, Department of Civil Engineering, Muffakham Jah College of Engineering & Technology, Hyderabad has successfully completed Course Conducted on Urban Transport Systems from 09-11-2020 to 13-11-2020.

**Mr. Shakeel Ayjaz**  
Course Coordinator

**Prof. Mohd. Hamraj**  
Head Civil Engineering Department

**PRINCIPAL**

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## Muffakham Jah College of Engineering & Technology

Affiliated to Osmania University, Approved by AICTE & Accredited by NAAC

Civil Engineering Department

Urban Transport Systems

### Certificate

This is to certify that Mr. /Ms. CHEGURI YESHWANTH REDDY bearing Roll No. 160417732318 Student of B.E VII/VIII Semester, Department of Civil Engineering, Muffakham Jah College of Engineering & Technology, Hyderabad has successfully completed Course Conducted on Urban Transport Systems from 09-11-2020 to 13-11-2020.

Mr. Shakeel Ayjaz  
Course Coordinator

Prof. Mohd. Hamraj  
Head Civil Engineering Department

PRINCIPAL

Muffakham Jah College Of  
Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P

# Feedback Form - Urban Transport Systems

Date: 09-11-2020 to 13-11-2020

Venue: MJCET

Name \*

CHEGURI YESHWANTH REDDY

Roll. No. \*

1604-17-732-318

1. Were the objectives of the course clear to you ? \*

☒ Yes

☐ No

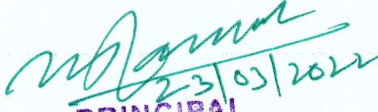
2. Does the course content meet with your expectations ? \*

☐ Strongly Agree

☒ Agree

☐ Don't Agree

☐ Strongly Don't Agree

  
23/03/2022  
**PRINCIPAL**  
Muffakham Jah College of  
Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P



3. Was the literature sequence well planned ? \*

- ☐ Strongly Agree
- ☒ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

4. Were the contents illustrated with adequate examples ? \*

- ☐ Strongly Agree
- ☒ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

5. Did the course expose you to new knowledge and practices ? \*

- ☐ Strongly Agree
- ☒ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

6. Will you recommend the course to your colleagues ? \*

- ☒ yes
- ☐ No
- ☐ May be

This form was created inside of MJCET.

# Feedback Form - Urban Transport Systems

Date: 09-11-2020 to 13-11-2020

Venue: MJCET

Name \*

NUMAAN AHMED

Roll. No. \*

1604-17-732-112

1. Were the objectives of the course clear to you ? \*

☒ Yes

☐ No

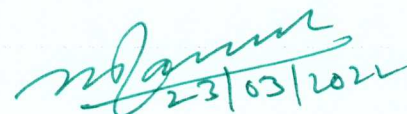
2. Does the course content meet with your expectations ? \*

☐ Strongly Agree

☒ Agree

☐ Don't Agree

☐ Strongly Don't Agree

  
23/03/2021

**PRINCIPAL**

Muffakham Jah College Of  
Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P



3. Was the literature sequence well planned ? \*

- ☒ Strongly Agree
- ☐ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

4. Were the contents illustrated with adequate examples ? \*

- ☒ Strongly Agree
- ☐ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

5. Did the course expose you to new knowledge and practices ? \*

- ☐ Strongly Agree
- ☒ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

6. Will you recommend the course to your colleagues ? \*

- ☐ yes
- ☐ No
- ☒ May be

This form was created inside of MJCET.

# Feedback Form - Urban Transport Systems

Date: 09-11-2020 to 13-11-2020

Venue: MJCET

Name \*

MOHD. IBRAHIM ALI KHAN

Roll. No. \*

1604-17-732-061

1. Were the objectives of the course clear to you ? \*

☒ Yes

☐ No

2. Does the course content meet with your expectations ? \*

☒ Strongly Agree

☐ Agree

☐ Don't Agree

☐ Strongly Don't Agree

  
23/03/2022

**PRINCIPAL**

Muffakham Jah College Of  
Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P



3. Was the literature sequence well planned ? \*

- ☒ Strongly Agree
- ☐ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

4. Were the contents illustrated with adequate examples ? \*

- ☒ Strongly Agree
- ☐ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

5. Did the course expose you to new knowledge and practices ? \*

- ☒ Strongly Agree
- ☐ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

6. Will you recommend the course to your colleagues ? \*

- ☒ yes
- ☐ No
- ☐ May be

This form was created inside of MJCET.



**Muffakham Jah College of Engineering and Technology**  
(THE SULTAN UL ULOOM EDUCATION SOCIETY)  
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Banjara Hills, Hyderabad.

**Students Feedback Summary Report for the “Urban Transport Systems”**

For the 5-Day program on “Urban Transport Systems” conducted in online mode during 9<sup>th</sup> to 13<sup>th</sup> Nov 2020, feedback was collected from the participated students through google forms with the queries on clarity of contents, course contents fulfilling the expectations, planning of sequence of topics, illustration of contents with examples, novelty of the contents and practices.

It is seen that, the students benefitted from their participation in this course as 95% agree with the query of clarity of contents and course contents fulfilling the expectations. 90% students agreed with the query for planning of sequence of topics and 92% for the novelty of contents and practices. As such it can be concluded that this short-term training program was very well taken by the III<sup>rd</sup> and IV<sup>th</sup> year Civil Engineering students.

Mr. Shakeel Aijaz

Course Coordinator

Head

Civil Engineering Department

**HEAD**

**CIVIL ENGINEERING DEPT.**

Muffakham Jah College of Engg. & Tec.  
Road No:3, Banjara Hills,  
Hyderabad-500 034.

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# MUFFAKHAM JAH COLLEGE OF ENGINEERING & TECHNOLOGY

(Established by Sultan-UI-Uloom Education Society in 1980)  
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(Approved By The AICTE & Accredited By NBA)

Date: 22-1-2021

From

The Head

Civil Engineering Department

MJCET

To

Mr. Toufeeq Anwar

Associate Professor, CED.

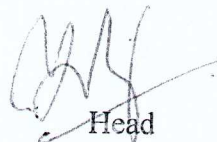
Sub: Conduction of course on STAAD PRO software-Reg.

It is observed that the students require the knowledge of software applications in Civil Engineering and in the current scenario, the Civil Engineering students should have the awareness of the STAADPRO software for the analysis and design of multistoried buildings. Hence, you are requested to design the syllabus and organize a workshop to the Civil Engineering students and notify the department of the schedule.

Thanking You

  
23/01/2021  
**PRINCIPAL**

Muffakham Jah College Of  
Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P

  
Head

Civil Engineering Department  
**HEAD**

CIVIL ENGINEERING DEPT.  
Muffakham Jah College of Engg. & Tech.  
Road No:3, Banjara Hills,  
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# MUFFAKHAM JAH COLLEGE OF ENGINEERING & TECHNOLOGY

(Established by Sultan-Ul-Uloom Education Society in 1980)  
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Communication Letter

Date: 28-1-2021

To  
The Head,  
Civil Engineering Dept.,  
MJCET,  
Banjara Hills, Hyd.

Sub: Permission to organize training program on STAAD PRO software-Reg.

Ref: Letter dated 22-1-2021

Sir,

I am pleased to inform you that the program 'Training of STAAD PRO software' (hands on experience) for the analysis and design of multistoried buildings for the Civil Engineering students is scheduled as shown below. I kindly request you to grant the permission to conduct this training program.

Dates of Training Program	2/2/2021 to 6/2/2021
Syllabus	Introduction to STAAD PRO software, screen organization, structure geometry, coordinate system(global and local), Model generation- adding beams, plates, solids, enhanced grid tool, material specifications, load application, analysis, concrete design, staircase design
Course Coordinator	Mr. Toufeeque Anwar
Participants	B.E III <sup>rd</sup> and IV <sup>th</sup> year Civil Engineering students

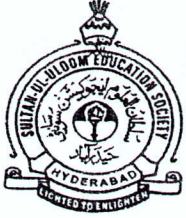
Course Coordinator

  
Mr. Toufeeque Anwar

Associate Professor(CED)

  
23/03/2022  
**PRINCIPAL**  
Muffakham Jah College Of  
Engineering & Technology,  
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# MUFFAKHAM JAH COLLEGE OF ENGINEERING & TECHNOLOGY

(Established by Sultan-UI-Uloom Education Society in 1980)  
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(Approved By The AICTE & Accredited By NBA)

Date: 29-1-2021

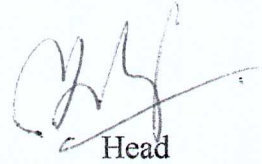
## CIRCULAR

All the teaching staff members and students of Civil Engineering department are hereby informed that a 5 Day program on 'Training of STAAD PRO software' (hands on experience) for the analysis and design of multistoried buildings is being organized by the department of Civil Engineering from 2<sup>nd</sup> Feb 2021 to 6<sup>th</sup> Feb 2021 in ONLINE MODE. All the interested faculty and students can register for the program by contacting the course coordinator mentioned below.

  
Course Coordinator

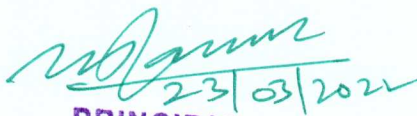
Mr. Toufeeque Anwar

Associate Professor (CED)

  
Head

Civil Engineering Department

HEAD  
CIVIL ENGINEERING DEPT.  
Muffakhham Jah College of Engg. & Tech.  
Road No:3, Banjara Hills,  
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23/03/2021  
PRINCIPAL  
Muffakhham Jah College Of  
Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P.



One Week Workshop

on

## Training on STAAD PRO Software (hands on experience)

FEBRUARY 2-6, 2021

REGISTRATION FORM

NAME: \_\_\_\_\_

DESIGNATION: \_\_\_\_\_

DEPARTMENT: \_\_\_\_\_

COLLEGE/INDUSTRY: \_\_\_\_\_

PHONE: \_\_\_\_\_

E-MAIL ID: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

No Registration Fees

### Organizing Committee

#### CONVENOR

- Prof. (Dr.) Mohd. Hamraj, Head,  
Department of Civil Engineering, MJCET

#### COURSE COORDINATOR

- Mr. Toufeeq Anwar, Assoc. Professor,  
Department of Civil Engineering, MJCET

### Course objectives

STAAD. PRO is one of the popular software that is used for analyzing & designing structures like - buildings, towers, bridges, industrial, transportation and utility structures. This course provides hands-on training on various tools in STAAD. PRO software.

### Course contents

- Structure, types of structure, Idealization of structures, features, hardware requirements, STAAD Pro. Screen organization.
- Model Editing tools Connect beams, Stretch Selected beams, Intersect Selected beams, Merge Selected beams.
- Geometry Operations Intersecting node in existing members, Adding beams, For a single member, For multiple members,, curved member
- Commands-Support specification, Member property.
- Analysis of a structure-Perform analysis, Run analysis, Pre analysis print, Post analysis print.
- Staircase design-Modeling & design procedure.



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Banjara Hills, Hyderabad 500 034

One Week Workshop

on

Training on STAAD PRO  
Software

(hands on experience)

February 2-6, 2021

organised by

Department of Civil Engineering and  
Muffakham Jah College of Engineering and  
Technology, Hyderabad - 500034



*M. Anwar*  
23/03/2022

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Engineering & Technology,  
Banjara Hills, Road No.3,  
HYDERABAD - 500 034. A.P

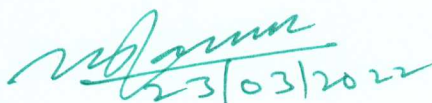





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(THE SULTAN UL ULOOM EDUCATION SOCIETY)  
(Affiliated to Osmania University & Recognized by AICTE)  
Banjara Hills, Hyderabad.

**Syllabus for program on 'Training on STAAD PRO software' (hands on experience)  
conducted during 2<sup>nd</sup> to 6<sup>th</sup> February 2021**

S. No	Date	Topic Covered
1	2-02-2021	Structure, types of structure, Idealization of structures Features, hardware requirements, STAAD Pro. Screen organization, structure geometry coordinate system (global & local), Model generator- Adding beam, plate, solid, enhanced grid tool Select Menu-By all, By Inverse, By List, By specification
2	3-02-2021	Model Editing tools Connect beams, Stretch Selected beams, Intersect Selected beams, Merge Selected beams Geometry Operations Intersecting node in existing members, Adding beams, For a single member, For multiple members, Curved member Geometry Operations How to create beams/ columns/ curved beams Add mid points
3	4-02-2021	Commands-Support specification, Member property, Member offset Material specification, Material specification, Modulus of elasticity, Poisson ratio, Member offset Load cases-Primary load menu, load commands, self weight, nodal load Load cases-Member load, point load, linear, varying, trapezoidal force
4	5-02-2021	Analysis-Perform analysis, Run analysis Loading-Area load, floor load, wind load, load combination Analysis of a structure-Perform analysis, Run analysis, Pre analysis print Post analysis print
5	6-02-2021	Concrete Design-Beam design, column design, defining parameters, assigning, end concrete design Staircase design-Modeling & design procedure

  
23/03/2022

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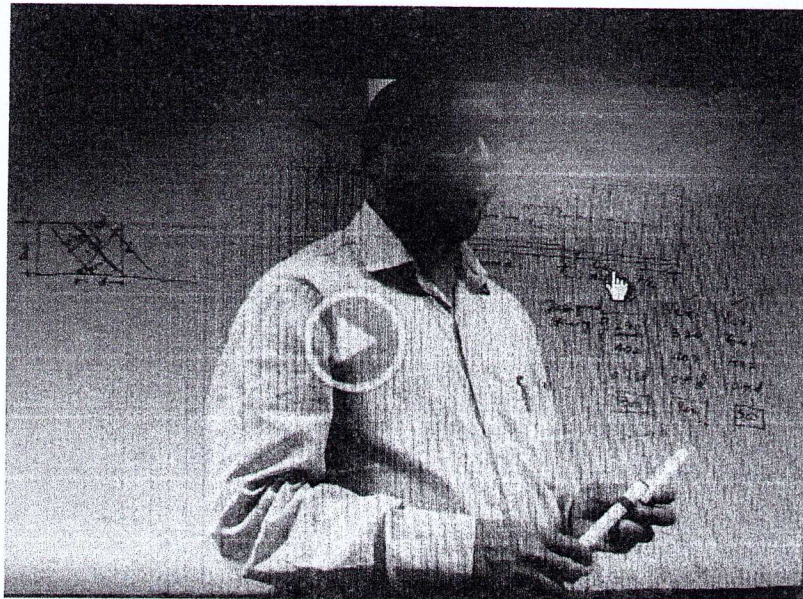
  
Course Coordinator  
Mr. Toufeeque Anwar





**Muffakham Jah College of Engineering and Technology**  
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Banjara Hills, Hyderabad.

1. Title of the Activity: Five-day program on “Training on STAAD PRO software” (Hands on Experience)
2. Program type: Workshop.
3. If others, mention type of activity:
4. Dates: 2<sup>nd</sup> Feb to 6<sup>th</sup> Feb 2021.
5. Number of students participated: 30
6. Number of faculty participated: NIL
7. Number of external students participated: NIL
8. Objective: To provide opportunity for the Civil Engineering students to get exposure and training of application of softwares in the field of Civil Engineering.
9. Benefits in terms of Learning/skill/knowledge obtained: Get awareness and obtain skill in doing the analysis and design of multi-storied buildings using STAAD Pro.
10. Faculty Coordinator: Mr. Toufeeq Anwar
11. Student Coordinator if any: Syed Farhan
12. Photographs: 01



*Toufeeq Anwar*  
22/02/2022

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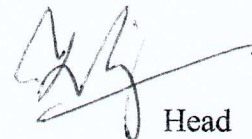
13. Resource Person Name, Designation and Place: Mr. Toufееq Anwar, Associate Professor, MJCET.

14. Consolidated Report:

The workshop was inaugurated by Dr. Basheer Ahmed Advisor cum Director MJCET, and Dr. Hamraj, HOD, Civil Engg. Dept. MJCET.

The students were given an introduction of structural design concepts, its complicated process involving detailed study of structural behavior i.e., performance of the structure under the action of loads which it may be subjected to in its lifetime. The students were given the training for structural analysis and design of a multi-storied building using STAAD Pro. The students got the chance of hands-on experience on STAAD Pro with the various commands dealing with the analysis and design.

Students of III<sup>rd</sup> & IV<sup>th</sup> year, Civil Engg. MJCET have attended this training program. The student members of ICI, MJCET chapter were instrumental in the successful completion of the training program.



Head

Civil Engineering Department

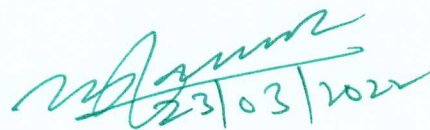
HEAD

CIVIL ENGINEERING DEPT.

Muffakhham Jah College of Engg. & Tech.

Road No:3, Banjara Hills,

Hyderabad-500 034.



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Banjara Hills, Hyderabad.

**Attendance list**

**Course Title: Training on STAAD. PRO Dates: 02-02-2021 to 06-02-2021**

Sl. No.	Roll Number	Name of Student	02-02-2021	03-02-2021	04-02-2021	05-02-2021	06-02-2021
1.	1604-18-732-034	KHAJA RAYAN AHMED	✓	✓	✓	✓	✗
2.	1604-18-732-036	MOHAMMED RAHMATH ALI	✓	✓	✓	✓	✓
3.	1604-18-732-037	MOHAMMED MUBARRIM	✗	✓	✓	✗	✓
4.	1604-18-732-038	MIR MUSTAFA ALI	✓	✓	✓	✓	✗
5.	1604-18-732-039	MOHAMMED FURQAN UDDIN	✓	✓	✓	✓	✓
6.	1604-18-732-040	SYED FARHAN	✓	✓	✓	✓	✓
7.	1604-18-732-041	MOHAMMED IMTIYAZ	✗	✓	✓	✗	✓
8.	1604-18-732-042	SYED HUZAF UR RAHEMAN	✗	✓	✗	✓	✓
9.	1604-18-732-043	MIRZA MOHAMMED ALI	✓	✓	✓	✗	✓
10.	1604-18-732-044	SYED MOHASIB ALI	✓	✓	✓	✗	✓
11.	1604-18-732-045	MOHAMMED ATEEQ QURESHI	✗	✗	✓	✓	✗
12.	1604-18-732-046	SADDAM HUSSAIN TAJ	✗	✓	✓	✓	✓
13.	1604-18-732-047	MOHAMMED SHARUKH	✓	✓	✗	✗	✓
14.	1604-18-732-048	MOHAMMED SHOEBO HUSSAIN	✗	✗	✓	✓	✓
15.	1604-18-732-049	MOHD. FAIZAN KHALEEL	✓	✓	✓	✗	✗
16.	1604-18-732-050	MIR QAYAM TAQI	✗	✓	✓	✓	✓
17.	1604-18-732-051	MUHAMMED ABDUL WASSAY	✓	✗	✗	✓	✗
18.	1604-18-732-052	KHAJA ABYAN AHMED	✗	✓	✗	✓	✓
19.	1604-18-732-053	MOHAMMED ABDUL SUBHAN	✓	✓	✓	✓	✓
20.	1604-18-732-054	SYED SAIF UDDIN	✗	✓	✓	✓	✓
21.	1604-18-732-055	MOHAMMED SAFWAN KHAN	✗	✗	✗	✓	✓
22.	1604-18-732-057	MOHAMMED FAHAD AHMED	✓	✓	✓	✓	✗
23.	1604-18-732-058	MIR BASITH ALI	✗	✗	✗	✗	✓
24.	1604-18-732-059	TAUQEER HASAN	✓	✓	✗	✗	✓
25.	1604-18-732-301	SHABANA	✗	✓	✓	✓	✗
26.	1604-18-732-302	ASFIA NAZIA	✓	✗	✗	✗	✗
27.	1604-18-732-303	ANJUM BEGUM	✓	✓	✓	✓	✓
28.	1604-18-732-304	MOHD. FAIZAN	✗	✓	✓	✗	✗
29.	1604-18-732-305	MOHAMMED SAMI UDDIN	✗	✓	✓	✗	✗
30.	1604-18-732-306	MOHAMMED NAUSHAD ALI	✓	✗	✓	✓	✓

Signature of Faculty: \_\_\_\_\_

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## Muffakham Jah College of Engineering & Technology

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Civil Engineering Department

### Training on STAAD. PRO

#### Certificate

This is to certify that Mr. /Ms. SYED FARHAN bearing Roll No. 160418732040 Student of B.E V/VIII Semester, Department of Civil Engineering, Muffakham Jah College of Engineering & Technology, Hyderabad has successfully completed Course Conducted on Training on STAAD. PRO from 02-02-2021 to 06-02-2021.

Mr. Toufeeque Anwar  
Course Coordinator

Prof. Mohd. Hamraj  
Head Civil Engineering Department

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Civil Engineering Department

### Training on STAAD. PRO

#### Certificate

This is to certify that Mr. /Ms. SHABANA bearing Roll No. 160418732301 Student of B.E V/VIII Semester, Department of Civil Engineering, Muffakham Jah College of Engineering & Technology, Hyderabad has successfully completed Course Conducted on Training on STAAD. PRO from 02-02-2021 to 06-02-2021.

Mr. Toufeeque Anwar  
Course Coordinator

Prof. Mohd. Hamraj  
Head Civil Engineering Department

PRINCIPAL

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Banjara Hills, Road No.3,  
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## Muffakham Jah College of Engineering & Technology

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Civil Engineering Department

### Training on STAAD. PRO

#### Certificate

This is to certify that Mr. /Ms. ANJUM BEGUM bearing Roll No. 160418732303 Student of B.E V/VIII Semester, Department of Civil Engineering, Muffakham Jah College of Engineering & Technology, Hyderabad has successfully completed Course Conducted on Training on STAAD. PRO from 02-02-2021 to 06-02-2021.

Mr. Toufeeq Anwar  
Course Coordinator

Prof. Mohd. Hamraj  
Head Civil Engineering Department

23/03/2021  
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# Feedback Form - Training on STAAD PRO software

Date: 02-02-2021 to 06-02-2021

Venue: MJCET

Name \*

ANJUM BEGUM

Roll. No. \*

1604-18-732-303

1. Were the objectives of the course clear to you ? \*

☒ Yes

☐ No

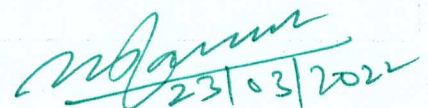
2. Does the course content meet with your expectations ? \*

☒ Strongly Agree

☐ Agree

☐ Don't Agree

☐ Strongly Don't Agree

  
23/03/2021

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3. Was the literature sequence well planned ? \*

- ☒ Strongly Agree
- ☐ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

4. Were the contents illustrated with adequate examples ? \*

- ☐ Strongly Agree
- ☒ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

5. Did the course expose you to new knowledge and practices ? \*

- ☐ Strongly Agree
- ☒ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

6. Will you recommend the course to your colleagues ? \*

- ☒ yes
- ☐ No
- ☐ May be

This form was created inside of MJCET.

# Feedback Form - Training on STAAD PRO software

Date: 02-02-2021 to 06-02-2021

Venue: MJCET

Name \*

SHABANA

Roll. No. \*

1604-18-732-301

1. Were the objectives of the course clear to you ? \*

☒ Yes

☐ No

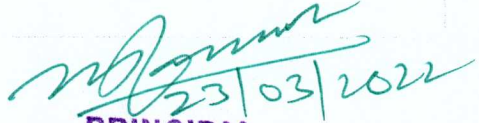
2. Does the course content meet with your expectations ? \*

☐ Strongly Agree

☒ Agree

☐ Don't Agree

☐ Strongly Don't Agree

  
23/03/2022

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3. Was the literature sequence well planned ? \*

- ☐ Strongly Agree
- ☒ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

4. Were the contents illustrated with adequate examples ? \*

- ☐ Strongly Agree
- ☒ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

5. Did the course expose you to new knowledge and practices ? \*

- ☐ Strongly Agree
- ☒ Agree
- ☐ Don't Agree
- ☐ Strongly Don't Agree

6. Will you recommend the course to your colleagues ? \*

- ☐ yes
- ☐ No
- ☒ May be

This form was created inside of MJCET.

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*[Signature]*  
23/03/2020

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Banjara Hills, Hyderabad.


**Students Feedback Summary Report for the short-term program "Training on STAAD PRO software" (A hands on experience)**

For the 5-Day program on "Training on STAAD PRO software" (Hands on Experience) conducted in online mode during 2<sup>nd</sup> to 6<sup>th</sup> Feb 2021, feedback was collected from the participated students through google forms with the queries on clarity of contents, course contents fulfilling the expectations, planning of sequence of topics, illustration of contents with examples, novelty of the contents and practices.

At the ground level, the students benefitted from their participation in this course as 98% agree with the query of clarity of contents and course contents fulfilling the expectations. 94% students agreed with the query for planning of sequence of topics and 96% for the novelty of contents and practices. As such it can be concluded that this short-term training program was very well taken by the III<sup>rd</sup> and IV<sup>th</sup> year Civil Engineering students.

  
Mr. Toufeeq Anwar

Course Coordinator

  
Head

Civil Engineering Department

**HEAD**  
CIVIL ENGINEERING DEPT.  
Muffakham Jah College of Engg. & Tec.  
Road No:3, Banjara Hills,  
Hyderabad-500 034.

  
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# MUFFAKHAM JAH COLLEGE OF ENGINEERING & TECHNOLOGY

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(Affiliated to Osmania University, Hyderabad)  
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Date: 20-2-2021

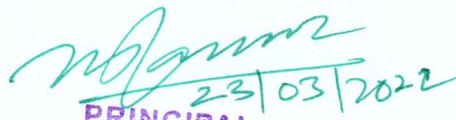
From  
The Head,  
Civil Engineering Department,  
MJCET

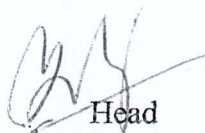
To  
Mr. Barkat Ali Kahn  
Assistant Professor, CED.

Sub: Conduction of course on Building Planning-National Building Code of India 2016-Reg.

It is observed that the students require the awareness of the latest building codes for the planning of the Civil Engineering structures. Hence, you are requested to organize a workshop in this area of Civil Engineering for the students and notify the department about the topic, contents, duration, and the scheduled program.

Thanking You

  
23/03/2022  
**PRINCIPAL**  
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Head  
Civil Engineering Department  
HEAD  
CIVIL ENGINEERING DEPT.  
Muffakham Jah College of Engg. & Tech.  
Road No:3, Banjara Hills,  
Hyderabad-500 034.



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Communication Letter

Date: 24-2-2021

To  
The Head,  
Civil Engineering Dept,  
MJCET,  
Banjara Hills, Hyd.


Sub: Permission to organize workshop on National Building Code of India 2016-Reg.

Ref: Letter dated 20-2-2021.

Sir,

I am pleased to inform you that the workshop on 'Building Planning in accordance with National Building Code of India 2016' for the Civil Engineering students is scheduled as shown below. I kindly request you to grant the permission to conduct this program.

Dates of Training Program	1/3/2021 to 5/3/2021
Syllabus	Fundamentals of layout design and orientation – integrated approach, green building materials, use of local available materials. building geometry to resist earthquakes, FSI, hands on training in planning of a residential building by each student by making use of local byelaws, commercial buildings, HVAC systems, rainwater harvesting, water recycling methods
Course Coordinator	Mr. Barkat Ali Khan
Participants	B.E III <sup>rd</sup> and IV <sup>th</sup> year Civil Engineering students

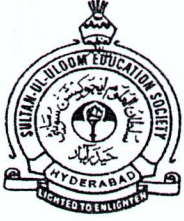
  
23/03/2022  
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HYDERABAD - 500 034. A.P

Course Coordinator

  
Mr. Barkat Ali Khan

Assistant Professor (CED)





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Date: 25-2-2021

## CIRCULAR

All the teaching staff members and students of Civil Engineering department are hereby informed that a 5 Day program on BUILDING PLANNING- National Building Code of India 2016 is organized by the department of Civil Engineering from 1<sup>st</sup> March 2021 to 5<sup>th</sup> March 2021 in ONLINE MODE. All the interested faculty and students can register for the program by contacting the course coordinator mentioned below.

Course Coordinator

Mr. Barkat Ali Khan

Assistant Professor (CED)

Head

Civil Engineering Department  
HEAD

CIVIL ENGINEERING DEPT.  
Muffakham Jah College of Engg. & Tech.  
Road No:3, Banjara Hills,  
Hyderabad-500 034.

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**One Week Short term Course  
on  
Building Planning -  
National Building Code of India -  
2016  
March 1-5, 2021  
REGISTRATION FORM**

NAME: \_\_\_\_\_  
DESIGNATION: \_\_\_\_\_  
DEPARTMENT: \_\_\_\_\_  
COLLEGE/INDUSTRY: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
E-MAIL ID: \_\_\_\_\_  
SIGNATURE: \_\_\_\_\_

**No Registration Fees**

**Organizing Committee**

**CONVENOR**

- Prof. (Dr.) Mohd. Hamraj, Head,  
Department of Civil Engineering, MJCET

**COURSE COORDINATOR**

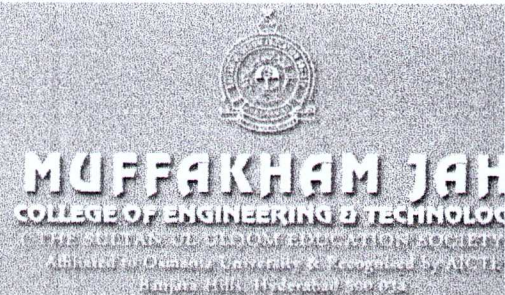
- Mr. Barkat Ali Khan, Asst. Professor,  
Department of Civil Engineering, MJCET

**Course objectives**

Building planning is a graphical representation of what a building will look like after construction. Building planning is also useful when it is essential to estimate how much a project will cost and for preparing project budgets building planning is also useful. The basic objective of planning the building is to arrange all the units of the building on all floors at a given level according to their functional requirements. the current course provides a detailed knowledge on Building planning as per National Building Code of India - 2016.

**Course contents**

- Introduction. Fundamentals of layout design and orientation - integrated approach. Green building materials.
- Use of local available materials. Building geometry to resist earthquakes. FSI.
- Hands on training in planning of a residential building by each student by making use of local byelaws.
- Commercial buildings. HVAC systems.
- Rainwater harvesting. Water recycling methods. Approach to sustainability



**One Week Short term Course  
on  
Building Planning -  
National Building Code of India  
2016  
March 1-5, 2021**

**organised by  
Department of Civil Engineering  
Muffakham Jah College of Engineering and  
Technology, Hyderabad - 500034**



*M. Barkat Ali Khan*  
23/03/2022  
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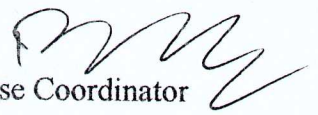
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Banjara Hills, Hyderabad.

**Syllabus for program on 'BUILDING PLANNING- National Building Code of India 2016'**  
**conducted online during 1st March to 5th March 2021**

S. No	Date	Topic Covered
1	1-3-2021	Introduction. Fundamentals of layout design and orientation – integrated approach. Green building materials.
2	2-3-2021	Use of local available materials. Building geometry to resist earthquakes. FSI
3	3-3-2021	Hands on training in planning of a residential building by each student by making use of local byelaws
4	4-3-2021	Commercial buildings. HVAC systems
5	5-3-2021	Rainwater harvesting. Water recycling methods. Approach to sustainability

  
23/03/2022  
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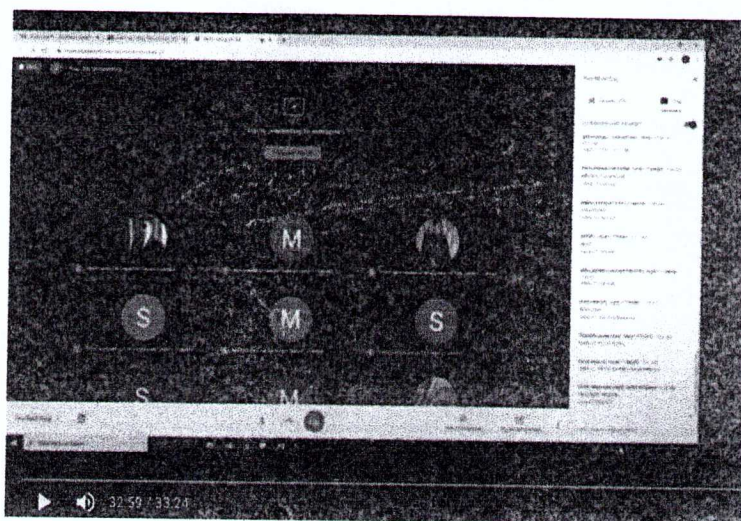
Muffakham Jah College Of  
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HYDERABAD - 500 034, A.P.

  
Course Coordinator  
Mr. Barkat Ali Khan



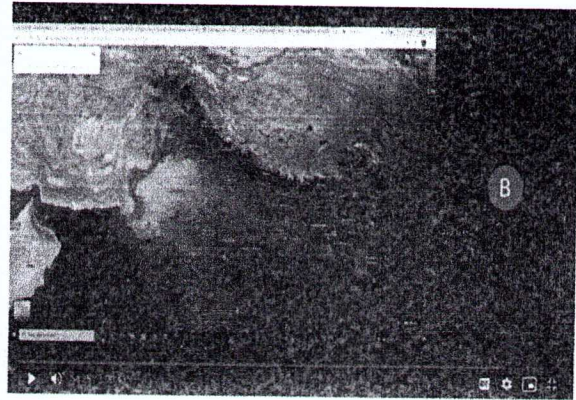
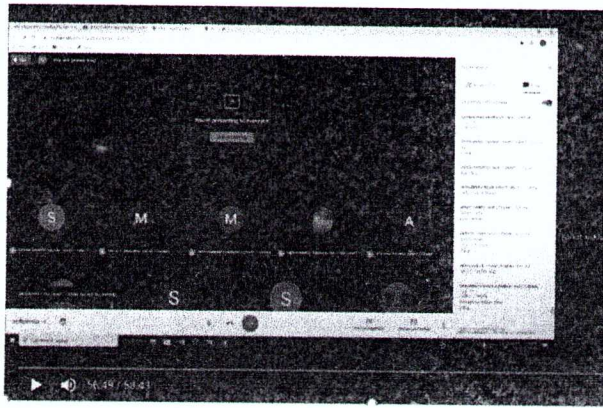
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(Affiliated to Osmania University & Recognized by AICTE)  
Banjara Hills, Hyderabad.

1. Title of the Activity: Five-day course on “BUILDING PLANNING- National Building Code of India 2016”.
2. Program type: Short term course.
3. If others, mention type of activity:
4. Dates: 1st March to 5th March 2021.
5. Number of students participated: 30
6. Number of faculty participated: NIL
7. Number of external students participated: NIL
8. Objective: To provide opportunity for the Civil Engineering students to get exposure of the national building code of India-2016 required in Civil Engineering.
9. Benefits in terms of Learning/skill/knowledge obtained: Get awareness and apply the building codes and green technologies required in the field of planning of Civil Engineering structures.
10. Faculty Coordinator: Mr. Barkat Ali Khan
11. Student Coordinator if any: M. Manoj Kumar
12. Photographs: 03



*[Signature]*  
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13. Resource Person Name, Designation and Place: Mr. Barkat Ali Khan, Assistant Professor, MJCET.

#### 14. Consolidated Report:

A short-term course of 5 days was conducted in the area of Building Planning according to National Building Code 2016 by the Civil Engineering department. The workshop was inaugurated by Dr. Basheer Ahmed Advisor cum Director MJCET, and Dr. Hamraj, HOD, Civil Engg. Dept. MJCET.

This course was designed with the aim of creating awareness on the provisions of various Parts/Sections of the National Building Code of India following an integrated approach. The above said course covers the requirements of building materials and components, and criteria for accepting new or alternative building materials and components. While introducing about Floor Space Index and importance of open spaces within the plot and stating the need of the open spaces inside and around a building is essentially to cater for the lighting and ventilation requirements of the rooms abutting such open spaces, and in the case of buildings abutting on streets in the front, rear or sides, the open spaces provided shall be sufficient for the future widening of such streets. Hands-on exercise is given to students and make them practice then & there 'planning a detached building using local government byelaws. Given a review of commercial buildings, hvac systems, rainwater harvesting, water recycling methods and approach to sustainability.

Students of III<sup>rd</sup> and IV<sup>th</sup> year Civil Engineering, Muffakham Jah College of Engineering and Technology have attended the training program. The student members of ICI, MJCET chapter were instrumental in the successful completion of the training program

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*[Signature]* Head  
Civil Engineering Department  
HEAD  
CIVIL ENGINEERING DEPT.  
Muffakham Jah College of Engg. & Tech.  
Road No:3, Banjara Hills,  
Hyderabad-500 034.





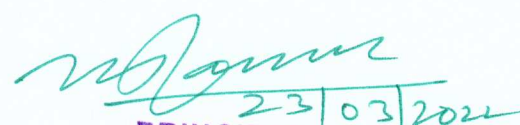
**Muffakham Jah College of Engineering and Technology**  
(THE SULTAN UL ULOOM EDUCATION SOCIETY)  
(Affiliated to Osmania University & Recognized by AICTE)  
Banjara Hills, Hyderabad.

**Attendance list**

**Course Title: Building Planning – National Building Code of India - 2016** Dates: **01-03-2021**  
**to 05-03-2021**

Sl. No.	Roll Number	Name of Student	01-03-2021	02-03-2021	03-03-2021	04-03-2021	05-03-2021
1.	1604-18-732-061	NADIYA ISHRATH	✓	✓	✓	✓	✓
2.	1604-18-732-062	SHAZIYA	✓	✓	✓	✓	✓
3.	1604-18-732-063	NALLA DEEPA	✓	✓	✓	✓	✓
4.	1604-18-732-064	SYED AMEENUDDIN	✓	✓	✓	✓	✓
5.	1604-18-732-065	MOHAMMAD SANA JABEEN	✓	✓	✓	✓	✓
6.	1604-18-732-066	AMTUL HAFEEZ SIDDIQUI	✓	✓	✓	✓	✓
7.	1604-18-732-067	NISHAT FATIMA MOHAMMED	✓	✓	✓	✓	✓
8.	1604-18-732-068	M. MANOJ KUMAR	✓	✓	✓	✓	✓
9.	1604-18-732-069	THATIKONDA SAI SAMARTH	✓	✓	✓	✓	✓
10.	1604-18-732-070	SHAIK KARUR MOHAMMAD	✓	✓	✓	✓	✓
11.	1604-18-732-071	VELIGATLA PHANI CHANDRA	✓	✓	✓	✓	✓
12.	1604-18-732-072	SHAIK ZABI ULLAH	✓	✓	✓	✓	✓
13.	1604-18-732-073	MOHAMMED KASHIF	✓	✓	✓	✓	✓
14.	1604-18-732-075	KHAJA MUBASHIRUDDIN	✓	✓	✓	✓	✓
15.	1604-18-732-076	SHAIK AFFNAAN SAIF	✓	✓	✓	✓	✓
16.	1604-18-732-077	SHUBH DEEPAK	✓	✓	✓	✓	✓
17.	1604-18-732-078	SHAIK MOHAMMED	✓	✓	✓	✓	✓
18.	1604-18-732-079	MOHD. BILAL QURESHI	✓	✓	✓	✓	✓
19.	1604-18-732-080	MOHAMMED SAAD UDDIN	✓	✓	✓	✓	✓
20.	1604-18-732-081	ASHFAQ SYED	✓	✓	✓	✓	✓
21.	1604-18-732-082	TAHA TANVEER	✓	✓	✓	✓	✓
22.	1604-18-732-083	MOHAMMED ABDUL	✓	✓	✓	✓	✓
23.	1604-18-732-084	MOHAMMED MOIZUDDIN	✓	✓	✓	✓	✓
24.	1604-18-732-085	ABDUL REHMAN	✓	✓	✓	✓	✓
25.	1604-18-732-086	CHADALA VADA HARSHITH	✓	✓	✓	✓	✓
26.	1604-18-732-087	MOHAMMED MUBEEN	✓	✓	✓	✓	✓
27.	1604-18-732-088	MOHAMMED SHAYAIQ	✓	✓	✓	✓	✓
28.	1604-18-732-089	MOHAMMED MERAJ UDDIN	✓	✓	✓	✓	✓
29.	1604-18-732-090	MOHAMMED YASAR	✓	✓	✓	✓	✓
30.	1604-18-732-091	MOHAMMED BILALUDDIN	✓	✓	✓	✓	✓

Signature of Faculty: \_\_\_\_\_

  
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## **Muffakham Jah College of Engineering & Technology**

Affiliated to Osmania University, Approved by AICTE & Accredited by NAAC

**Civil Engineering Department**

### **Building Planning – National Building Code of India - 2016**

#### **Certificate**

This is to certify that Mr. /Ms. M. MANOJ KUMAR bearing Roll No. 160418732068 Student of B.E V/VIII Semester, Department of Civil Engineering, Muffakham Jah College of Engineering & Technology, Hyderabad has successfully completed Course Conducted on Building Planning – National Building Code of India - 2016 from 01-03-2021 to 05-03-2021.

**Mr. Barkat Ali Khan**  
Course Coordinator

**Prof. Mohd. Hamraj**  
Head Civil Engineering Department

  
23/03/2021

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## Muffakham Jah College of Engineering & Technology

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Civil Engineering Department

### Building Planning – National Building Code of India - 2016

#### Certificate

This is to certify that Mr. /Ms. ASHFAQ SYED bearing Roll No. 160418732081 Student of B.E V/VIII Semester, Department of Civil Engineering, Muffakham Jah College of Engineering & Technology, Hyderabad has successfully completed Course Conducted on Building Planning – National Building Code of India - 2016 from 01-03-2021 to 05-03-2021.

Mr. Barkat Ali Khan  
Course Coordinator

Prof. Mohd. Hamraj  
Head Civil Engineering Department

  
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Civil Engineering Department

### Building Planning – National Building Code of India - 2016

#### Certificate

This is to certify that Mr. /Ms. NALLA DEEPA bearing Roll No. 160418732063 Student of B.E V/VIII Semester, Department of Civil Engineering, Muffakham Jah College of Engineering & Technology, Hyderabad has successfully completed Course Conducted on Building Planning – National Building Code of India - 2016 from 01-03-2021 to 05-03-2021.

Mr. Barkat Ali Khan  
Course Coordinator

Prof. Mohd. Hamraj  
Head Civil Engineering Department

  
23/03/2022  
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