



College Code - 4192

Maitrey Educational Society

Nagarjuna

Institute of Engineering, Technology & Management
(AICTE, DTE Approved & Affiliated to R.T.M. Nagpur University Nagpur)

Village Satnavri, Amravati Road, Nagpur 440023

Email: maitrey.ngp@gmail.com; Website: www.nietm.in; Phone No. 07118 322211, 12

National Assessment and Accreditation Council

AQAR 2020-21

NAAC Criteria-1: Academic flexibility

1.2 Curricular Planning and Implementation

1.2.2	Number of Add on /Certificate programs offered during the year
1.2.2.1	Add on /Certificate programs are added during the year. Data requirement for year and report



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Criteria-1: Academic aspects

1.2 Academic Flexibility

Metric No.

1.2.2.1

Contents

Index- 1.2.2.1 Add on /Certificate programs are added during the year.

Number of add on/certificate programmes	Year of offering	Students participation/Completion across all branches
5	2020	209

1.2.2 Number of Add on /Certificate programs offered during the year

Name of Add on /Certificate programs offered	Year of offering	No. of times	Duration of course	Number of Students	Number of Students completing the
Python,Data Structures and Algorithms	2020	1	Two Months	17	17
Java Programming	2020	1	1 month	12	12
CAD using Autodesk Inventor	2020	1	1 Week	97	97
Structural and Foundation Analysis	2020	1	1 Week	69	69
Basics of MATLAB Training (EE)	2020	1	1 week	17	14

Response- 100%



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Department of Computer Science engineering Workshop on

‘PYTHON, DATA STRUCTURES AND ALGORITHMS’

A workshop on Python, data structures and algorithm was organised by the college from 11/04.2021 to 19/04/2021. The event was held online where the participants were trained and given problems to solve using python. A total of around 17 students attended the event. The HOD of the computer department Prof. Raut addressed the students in the beginning and wished them luck. Further Ms. Deepali taught the students about beginner-friendly guide for learning data structures and algorithms using Python. They also instruct the students about in-built data structures such as lists, tuples, dictionaries, etc, and some user-defined data structures such as linked lists, trees, graphs, etc, and traversal as well as searching and sorting algorithms with the help of good and well-explained examples and practice questions.





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Department of Computer Science engineering Workshop on

‘JAVA PROGRAMMING’

A workshop on Java Programming was organised by the college from 11/04.2021 to 19/04/2021. The event was held online where the participants were trained and given problems to solve using java. A total of around 12 students attended the event. The HOD of the computer department Prof. Raut addressed the students in the beginning and wished them luck. In this workshop the students were introduced to topics JavaScript. Students got an idea how to work with scripting language to develop application. Organized with different batches for Second and Third year Students. The session was conducted by Pratik Deshpande and coordinated by Rishabh s. All the students really appreciated the contents that were discussed, they realized that interactions like these can help them improve their learning. Students showed keen interest in attending more advanced workshops like this in future

```
//-1 16 12 21 -1 -1 -1 16 -1 -1 17 20 -1 -1 12 -1 -1 28 -1 31 -1 21 17 28 -1 18 1
public class tries
{
    public static int n=7,min=Integer.MAX_VALUE;
    public static boolean[][] wasHere=new boolean[n][60000];
    public static void main(String[] args)
    {
        int[] lines=new int[n]; Arrays.fill(lines, -1000); lines[0]=0;
        int[][] networkMatrix=new int[n][n];
        Scanner reader=new Scanner(System.in);
        int sum=0;
        for(int k=0; k<n; k++)
        {
            for(int r=0; r<n; r++)
            {
                networkMatrix[k][r]=reader.nextInt();
                if(networkMatrix[k][r]==-1) sum+=networkMatrix[k][r];
                Arrays.fill(wasHere[k], false);
            }
        }
        recursive(lines,networkMatrix,0,0);
        System.out.println((sum/2)-min);
    }
    public static void recursive(int[] lines, int[][] networkMatrix, int row,int
    {
        wasHere[row][value((int)use.sumArr(lines))]=true;
        if(min<sum(lines)) return;
        if(!isAllNotMinus1000(lines)) min=sum(lines);
        int[][] copyOfMatrix=new int[n][n];
        int[] copyOfLines;
        for(int i=0; i<n; i++)
        {
            copyOfLines=Arrays.copyOf(lines, lines.length);
```



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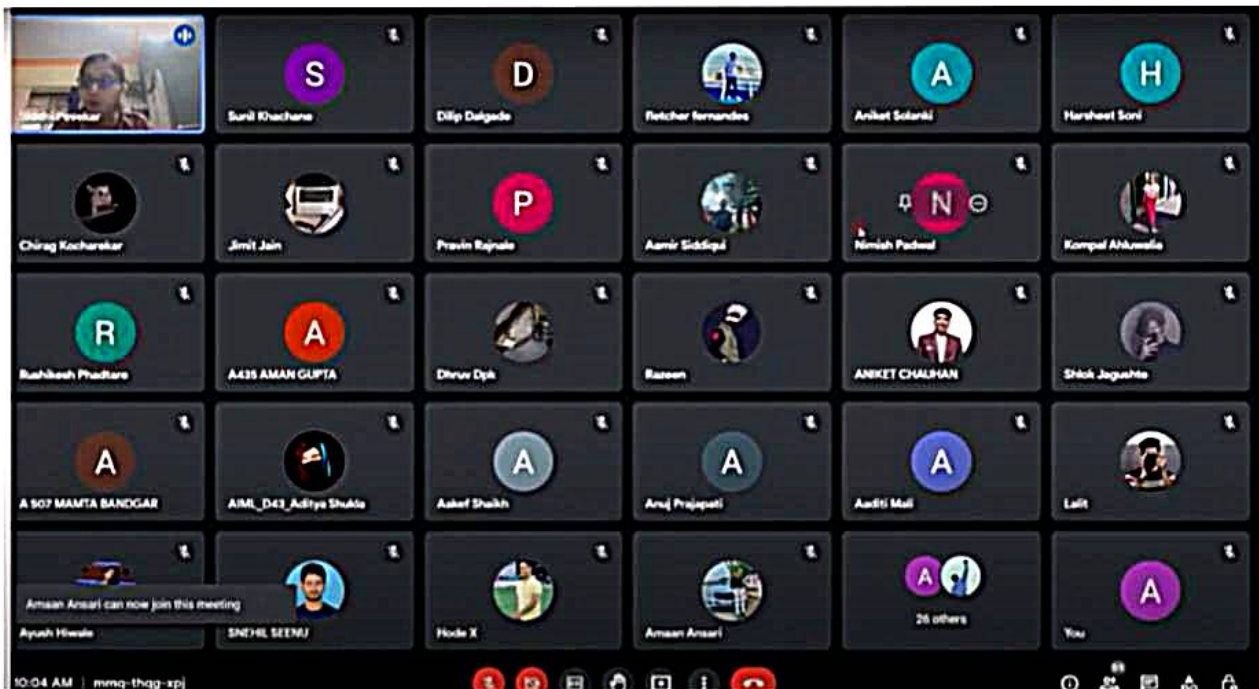
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Department of Mechanical Engineering Workshop on 'CAD USING AUTODESK INVENTOR'

MESA organised a workshop on CAD using Autodesk inventor from 11/04.2021 to 19/04/2021. The event was held online where the participants were trained and given problems to solve using autocad. A total of around 97 students attended the event. The HOD of the mechanical department Prof. R. Upadhye and Prof. Nikhil Gedam addressed the students in the beginning and wished them luck. Further Ms Leena and Mr Sunil Khachne spoke about the usage of Autodesk inventor in industry. Taught about creation of sketch, modification and management of assembly efficiently. Also enlightened the students about combining all the parts and some assemblies using essential tools in part environment of automobile industry.





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Department of Civil engineering Workshop on

'STRUCTURAL AND FOUNDATION ANALYSIS'

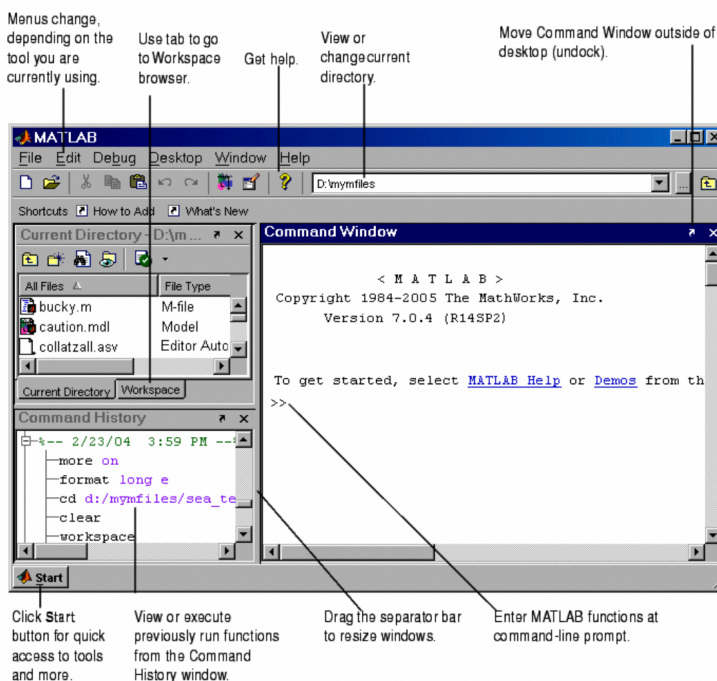
A workshop on Structural and Foundation Analysis was organised by the college from 11/04.2021 to 19/04/2021. The event was held online where the participants were trained and given problems to solve using python. A total of around 69 students attended the event. The HOD of the computer department Prof. S. Gajbhiye addressed the students in the beginning and wished them luck. The primary objective of the short term course is to give training on ETABS, SAPE- 2000, BRIDGE, SAFE has been recognised as the industry standard for Building Analysis and Design Software. Today, continuing in the same tradition, ETABS has evolved into a completely Integrated Building Analysis and Design Environment. The integrated model can include Moment Resisting Frames, Braced Frames, Staggered Truss Systems, Frames with Reduced Beam Sections or Side Plates, Rigid and Flexible Floors, Sloped Roofs, Ramps and Parking Structures, Mezzanine Floors, Multiple Tower Buildings and Stepped Diaphragm Systems with Complex Concrete, Composite or Steel Joist Floor Framing Systems. Solutions to complex problems such as Panel Zone Deformations, Diaphragm Shear Stresses, and Construction Sequence Loading are now at your fingertips.

Department of Electrical engineering Workshop on

‘BASICS OF MATLAB TRAINING’

A workshop on Basics of MATLAB training was organised by the college from 11/04.2021 to 19/04/2021. The event was held online where the participants were trained and given problems to solve using MATLAB. A total of around 14 students completed the workshop. The HOD of the electrical department Prof.S. Gajbhiye addressed the students in the beginning and wished them luck. The working included topics like how to enter MATLAB commands, with an emphasis on creating variables, accessing and

manipulating data in variables, and creating basic visualizations. Collect MATLAB commands into scripts for ease of reproduction and experimentation. Perform mathematical and statistical calculations with vectors. Use MATLAB syntax to perform calculations on whole data sets with a single command. Organize scripts into logical sections for development, maintenance, and publishing.





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Certificate of Participation

Sachin B. Chavan

For attending 'CAD using Autodesk Inventor' workshop conducted from
11/04/2021 to 19/04/2021 in the college.




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Certificate of Participation

Akansha B Bansod

For attending 'Java Programming' workshop conducted from
11/04/2021 to 19/04/2021 in the college.




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Certificate of Participation

Geeta C Zamarkar

For attending 'Java Programming' workshop conducted from
11/04/2021 to 19/04/2021 in the college.




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Certificate of Participation

Paras Fule

For attending 'Python, data structures & algorithms' workshop conducted from
11/04/2021 to 19/04/2021 in the college.




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Certificate of Participation

Ashish D Maske

For attending 'Structural & foundation analysis' workshop conducted from
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Certificate of Participation

Mukesh R Motwani

For attending Structural & foundation analysis' workshop conducted from
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Certificate of Participation

Diksha Tagde

For attending Basic MATLAB Training ' workshop conducted from
11/04/2021 to 19/04/2021 in the college.




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