Vyasapuri, Bandlaguda
Post:Keshavgiri, Hyderabad-500005,
Telangana, INDIA
Tel:040-29880086, 8978380692, Fax:040-24455003
E-mail: principal@mist.ac.in.
principal.mahaveer@gmail.com
Website:www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

CounselingCode:**MHVR**,UniversityCode:**E3**

1. Details of each program such as: Name of the program, Duration, List of students Enrolled (with signature of students), Curriculum, Assessment procedures year wise.

S.No.	Name of Add on /Certificate programs offered	Course Code (if any)	Duration of course	Number of students enrolled in the year
	Year -1 (2020-2021)			
1	E-TABS	CIVIL-ET	30Hrs	48
2	AUTO CAD	CIVIL-AC	36Hrs	36
3	REVIT	CIVIL-R	38Hrs	36
4	GEO5	CIVIL-G5	40Hrs	39
5	STAAD-PRO	CIVIL-SP	30Hrs	39
6	AUTO CAD	EEE-AC	30Hrs	31
7	MAT CAD PROGRAMMING	EEE-MATCADP	36Hrs	35
8	AUTO CAD	MECH-AUTOCAD	30Hrs	21
9	CATIA	MECH-CATIA	30Hrs	60
10	ANSYS	MECH-ANSYS	30Hrs	75
11	3D-PRINTING	MECH-3D PRINTING	30Hrs	75
12	CNC	MECH-CNC	30Hrs	18
13	ROLE ON ADVANCED ELECTRONIC MATERIALS & DEVICES IN SPACE & DEFENCE APPLICATIONS	ECE-AEMDSDA	30Hrs	47
14	PYTHON PROGRAMMING	ECE-PP	30Hrs	47
15	3DGRAPHICS	CSE-3DG	36Hrs	53
16	PYTHON PROGRAMMING	IT-PP	30Hrs	53
17	Advance Java and J2EE using Eclipse	IT-AJ-J2EE	30Hrs	67
18	Multi Rotor Drone Pilot	AERO-MRDP	30Hrs	33
19	ULTRASONICS	HNS-US	36Hrs	25

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Vyasapuri, Bandlaguda
Post:Keshavgiri, Hyderabad-500005,
Telangana, INDIA
Tel:040-29880086, 8978380692, Fax:040-24455003
 E-mail: principal@mist.ac.in.
principal.mahaveer@gmail.com
Website:www.mist.ac.in,

  CounselingCode:**MHVR**,UniversityCode:**E3**

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

S.No.	Name of Add on /Certificate programs offered	Course Code (if any)	Duration of course	Number of students enrolled in the year
Year 2 (2019-2020)				
1	E-TABS	CIVIL-ET	30Hrs	40
2	AUTO CAD	CIVIL-AC	36Hrs	56
3	REVIT	CIVIL-R	38Hrs	45
4	MATLAB PROGRAMMING	EEE-MATLP	30Hrs	46
5	PSPICE PROGRAMMING	EEE-PSP	30Hrs	35
6	AUTO CAD	MECH-AUTOCAD	30Hrs	60
7	CATIA	MECH-CATIA	30Hrs	75
8	ANSYS	MECH-ANSYS	30Hrs	78
9	ROLE ON ADVANCED ELECTRONIC MATERIALS & DEVICES IN SPACE & DEFENCE APPLICATIONS	ECE-AEMDSDA	30Hrs	50
10	ADVANCED VLSI TECHNOLOGY	ECE-AVT	40Hrs	50
11	BASIC WEB DESIGNING	CSE-BWD	30Hrs	67
12	Android Application Development	IT-AAD	40Hrs	50
13	Oracle Java Certification	IT-OJC	30Hrs	49
14	Computer Aided Analysis FLUENT	AERO-FLUENT	30Hrs	24
15	SOFTSKILLS	HNS-SS	36Hrs	25

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

CounselingCode:**MHVR**,UniversityCode:**E3**

S.No.	Name of Add on /Certificate programs offered	Course Code (if any)	Duration of course	Number of students enrolled in the year
	Year 3 (2018-2019)			
1	AUTO CAD	CIVIL-AC	36Hrs	38
2	REVIT	CIVIL-R	38Hrs	38
3	GEO5	CIVIL-G5	40Hrs	35
4	STAAD-PRO	CIVIL-SP	30Hrs	35
5	PLC PROGRAMMING	EEE-PLCP	30Hrs	37
6	ELECTRICAL ENERGY MANAGEMENT	EEE-EEM	30Hrs	46
7	AUTO CAD	MECH-AUTOCAD	30Hrs	75
8	CATIA	MECH-CATIA	30Hrs	78
9	ANSYS	MECH-ANSYS	30Hrs	70
10	ROLE ON ADVANCED ELECTRONIC MATERIALS & DEVICES IN SPACE & DEFENCE APPLICATIONS	ECE-AEMDSDA	40Hrs	53
11	ADVANCED VLSI TECHNOLOGY	ECE-AVT	30Hrs	51
12	PC HARDWARE NETWORKING	CSE-PCHN	40Hrs	54
13	ANGULAR JS	CSE-AJS	30Hrs	50
14	Web application development using PHP & XML	IT-PHP-XML	30Hrs	54
15	Technical Training HTML	IT-HTML	30Hrs	58
16	Computer Aided Design CREO	AERO-CREO	30Hrs	18
17	COMMUNICATION SKILLS	HNS-CS	36Hrs	25

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Vyasapuri, Bandlaguda
Post:Keshavgiri, Hyderabad-500005,
Telangana, INDIA
Tel:040-29880086, 8978380692, Fax:040-24455003
E-mail: principal@mist.ac.in.
principal.mahaveer@gmail.com
Website:www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

CounselingCode:**MHVR**,UniversityCode:**E3**

S.No.	Name of Add on /Certificate programs offered	Course Code (if any)	Duration of course	Number of students enrolled in the year
	Year 4 (2017-2018)			
1	E-TABS	CE-ET	30Hrs	35
2	GEO5	CE-G5	30Hrs	65
3	STAAD-PRO	CE-SP	30Hrs	65
4	INDUSTRIAL MANAGEMENT	EEE-IM	30Hrs	30
5	ELECTRICAL INSTALLATION STANDARDS	EEE-EIS	40Hrs	39
6	AUTO CAD	MECH-AUTOCAD	30Hrs	78
7	CATIA	MECH-CATIA	30Hrs	70
8	ANSYS	MECH-ANSYS	30Hrs	71
9	C PROGRAMMING	ECE-CP	30Hrs	50
10	JAVA Certification Programme	ECE-JCP	40Hrs	50
11	ANDROID MOBILE APPLICATION	CSE-AMA	30Hrs	49
12	Training - C Programming	IT-CP	30Hrs	51
13	Java Certification Programme	IT-JCP	30Hrs	43
14	Computer Aided Design (CATIA)	AERO-CATIA	30Hrs	16
15	ULTRASONICS	HNS-US	36Hrs	25

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Vyasapuri, Bandlaguda
Post:Keshavgiri, Hyderabad-500005,
Telangana, INDIA
Tel:040-29880086, 8978380692, Fax:040-24455003
E-mail: principal@mist.ac.in.
principal.mahaveer@gmail.com
Website:www.mist.ac.in,

CounselingCode:**MHVR**,UniversityCode:**E3**

S.No.	Name of Add on /Certificate programs offered	Course Code (if any)	Duration of course	Number of students enrolled in the year
	Year 5 (2016-2017)			
1	E-TABS	CE-ET	30Hrs	67
2	GEO5	CE-G5	30Hrs	54
3	STAAD-PRO	CE-SP	30Hrs	54
4	AUTO CAD	CE-AC	30Hrs	37
5	REVIT	CE-R	30Hrs	36
6	IMPORTANCY OF EARTHING	EEE-IOE	30Hrs	32
7	MULTISIM PROGRAM	EEE-MSP	30Hrs	39
8	AUTO CAD	MECH-AUTOCAD	30Hrs	70
9	CATIA	MECH-CATIA	30Hrs	71
10	ANSYS	MECH-ANSYS	30Hrs	88
11	MS OFFICE	ECE-MSO	30Hrs	51
12	CLOUD COMPUTING	ECE-CC	30Hrs	51
13	PC HARDWARE NETWORKING	CSE-PCHN	30Hrs	54
14	Technical Training MS-Office	IT-MSO	30Hrs	25
15	Cloud Computing with HADOOP FRAMEWORK	IT-CC-HFW	30Hrs	36
16	MULTI ROTOR DRONE PILOT	AERO-MRDP	40Hrs	27
17	ATOMIC STRUCTURE	HNS-AS	40Hrs	25

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

MAHAVEER

INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affiliated to JNTUH,Hyd.

DEPARTMENT OF CIVIL ENGINEERING

Etabs course

Summery

- Use ETABS for daily working process.

- Navigate throughout ETABS using major navigating tools.

- Understand the concept and techniques to draw.

- Create multiple designs using several of tools.

- Create layers to control the objects' visibility.

- Explain drawing using annotations.

- To use constraint for certain design.

PRINCIPAL
MAHAVEER

Vysapuri, Bandlaguda Post:Keshavgiri,
Hyderabad-500 005, Telangana INDIA
Tel: 040-64596979,20020773,.Fax: 040-24455003
E-mail: principal.mahaveer@gmail.com,
Website: www.mist.ac.in,

MAHAVEER

INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affilitated to JNTUH.Hyd.

Auto CAD COURSE
Summery

Department of Civil Engineering

- Use AutoCAD for daily working process.

- Navigate throughout AutoCAD using major navigating tools.

- Understand the concept and techniques to draw.

- Create multiple designs using several of tools.

- Create layers to control the objects' visibility.

- Explain drawing using annotations.

- Plot or print the drawing by scale.

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Revit COURSE
Summery

Department of Civil Engineering

- Use Revit for daily working process.

- Navigate throughout Revit using major navigating tools.

- Understand the concept and techniques to draw.

- Create multiple designs using several of tools.

- Create layers to control the objects' visibility.

- Explain drawing using annotations.

- Plot or print the drawing by scale.

- To use constraint for certain design.

PRINCIPAL
MAHAVEER
SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Vysapuri, Bandlaguda Post:Keshavgiri,
Hyderabad-500 005, Telangana INDIA
Tel: 040-64596979,20020773,.Fax: 040-24455003
E-mail: principal.mahaveer@gmail.com,
Website: www.mist.ac.in,

MAHAVEER

INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affiliated to JNTUH,Hyd.

GEO5 COURSE
Summery

Department of Civil Engineering

- Use GEO5 for daily working process.

- Navigate throughout GEO5 using major navigating tools.

- Understand the concept and techniques to draw.

- Create multiple designs using several of tools.

- Create layers to control the objects' visibility.

- Explain drawing using annotations.

- Plot or print the drawing by scale.

- To use constraint for certain design.

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

STAAD PROVi8 COURSE
Summery

Department of Civil Engineering

- Model Generation and Editing
- Assigning loads
- Creating Load Combinations
- Concrete Design
- Seismology
- Steel Design
- Foundation Designs
- Report Generation and Plotting

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005-5.

MAHAVEER

Approved by AICTE Affiliated to JNTUH,Hyd

Auto CAD COURSE
Summery

Department of Mechanical Engineering

- Use AutoCAD for daily working process.
- Navigate throughout AutoCAD using major navigating tools.
- Understand the concept and techniques to draw.
- Create multiple designs using several of tools.
- Create layers to control the objects' visibility.
- Explain drawing using annotations.
- Plot or print the drawing by scale.
- To use constraint for certain design.

Copy to :

1.Department of Notice Board

2.Principal for Information

3.Committe Members(Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE
Bandlaguda, Hyd

Vysapuri, Bandlaguda Post:Keshavgiri,

Hyderabad-500 005, TELANGANA INDIA
Tel: 040-64596979,8978380692,Fax: 040-24455803 Approved by AICTE, Affiliated to JNTUH,Hyd.
E-mail: e3hod.eee@gmail.com,
Website: www.mist.ac.in,

MAHAVEER

DEPARTMENT OF ELECTRICAL & ELECTRONICS

SUMMARY REPORT OF MATCAD Programming

Mathcad is a product of MathSoft inc. The Mathcad can help us **to calculate, graph, and communicate technical ideas**. It lets us work with mathematical expressions using standard math notation - but with the added ability to recalculate, view, present, and publish with ease, even to the Web.

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Auto CAD COURSE
Summery

Department of Mechanical Engineering

- Use AutoCAD for daily working process.
- Navigate throughout AutoCAD using major navigating tools.
- Understand the concept and techniques to draw.
- Create multiple designs using several of tools.
- Create layers to control the objects' visibility.
- Explain drawing using annotations.
- Plot or print the drawing by scale.
- To use constraint for certain design.

Copy to :

1.Department of Notice Board

2.Principal for Information

3.Committe Members(Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TEC
Bandlaguda, Hyd

MAHAVEER

Approved by AICTE. Affiliated to JNTUH,Hyd.

CATIA COURSE
Summery

➢ In this course, you will learn how to utilize the core functionality enhancements in Catia.

➢ First, you will become familiar with using and customizing the new ribbon interface in Catia.

➢ The new measure and sectioning interfaces will also be examined. Next, you will become familiar with the Sketcherworkflow and reference enhancements.

➢ Part modeling enhancements to features such as Extrude, Corner Chamfer, Sweeps, Blends, and Datum Curves will then beexamined.

➢ You will also learn about new and enhanced Assembly capabilities, such as selecting multiple components, the newrelationship constraints, and enhancements for dragging components.

➢ Then, you will examine the new Table and Balloon functionality for 2-D drawings, and review various detailingenhancements.

➢ At the end of each module, you will complete a set of review questions to reinforce critical topics from that module. At theend of the course, you will complete a course assessment in Catia intended to evaluate your understanding of the course as a whole.

PRINCIPAL

Copy to :

1.Department of Notice Board

2.Principal for Information

3.Committe Members(Academic)

Vysapuri, Bandlaguda Post:Keshavgiri,
Hyderabad-500 005, Telangana INDIA
Tel: 040-64596979,20020773,,Fax: 040-24455003
E-mail: principal.mahaveer@gmail.com.
Website: www.mist.ac.in.

MAHAVEER

Approved by AICTE, Affiliated to JNTUH,Hyd.

ANSYS COURSE
Summery

Department of Mechanical Engineering

1.The Geometry preparation training course is for users who want to create and modify geometry in preparation for CFD or FEA analysis. The training will be focused in either ANSYS Design Modeler or ANSYS Space Claim.

2. The ANSYS Meshing training course will give you the tools for generating good quality meshes for Fluent andCFX. The trainee will choose which tool should be used: ANSYS Meshing, Fluent Meshing or ICEM CFD

3. This course will show how to set up a range of simulation types in the ANSYS Fluent or ANSYS CFX solver, aswell as how to post process the results by using our CFD Post Tool.

4. This course will show how to set up a range of simulation types in ANSYS Mechanical, as well as how to post process and evaluate your results.

5. To acquire advance knowledge to perform explicit simulations with ANSYS Explicit STR, ANSYS AUTODYN or ANSYS LS-DYNA

6. This is an introductory to intermediate level training for using ANSYS HFSS for all applications, like RF/microwave, antennas or planar problems. Participants will get understanding of HFSS modeling, solution process and post-processing features, which can be used for other advanced applications. The course will also cover advanced topics like dynamic link between EM and circuit, impedance matching, overview of HFSS 3Dlayout interface and speeding-up HFSS simulation using HPC.

7. Provide the needed tools for the complete simulation of a pressure Vessel from scratch. Several types of analysis and boundary conditions will be discussed, by using pressure vessels examples.

8.To acquire advance knowledge for performing mechanical simulation in Fixed Offshore Structures.

Copy to :

1.Department of Notice Board

2.Principal for Information

3.Committe Members(Academic)

PRINCIPAL
MAHAVEER

Vysapuri, Bandlaguda Post:Keshavgiri,
Hyderabad-500 005, Telangana INDIA
Tel: 040-84696979,20020773, Fax: 040-24488003
E-mail: principal.mahaveer@gmail.com.
Website: www.mist.ac.in,

MAHAVEER

Approved by AICTE, Affiliated to JNTUH Hyd

3D-PRINTING COURSE
Summery

Department of Mechanical Engineering

1.3D Printing uses software that slices the 3D model into layers (0.01mm thick or less in most cases). Each layer is then traced onto the build plate by the printer, once the pattern is completed, the build plate is lowered and the next layer is added on top of the previous one.

2.Layer by layer production allows for much greater flexibility and creativity in the design process. No longer do designers have to design for manufacture, but instead they can create a part that is lighter and stronger by means of better design. Parts can be completely re-designed so that they are stronger in the areas that they need to be and lighter overall.

3.3D Printing significantly speeds up the design and prototyping process. There is no problem with creating one part at a time, and changing the design each time it is produced. Parts can be created within hours. Bringing the design cycle down to a matter of days or weeks compared to months. Also, since the price of 3D printers has decreased over the years, some 3D printers are now within financial reach of the ordinary consumer or small company.

4.Typical manufacturing techniques are known as 'Subtractive Manufacturing' because the process is one of removing material from a preformed block. Processes such as Milling and Cutting are subtractive manufacturing techniques. This type of process creates a lot of waste since the material that is cut off generally cannot be used for anything else andis simply sent out as scrap.

Copy to :

1.Department of Notice Board

2.Principal for Information

3.Committe Members(Academic)

PR
P/
INSTIT
Bandlaguda, Hyd-500 005.

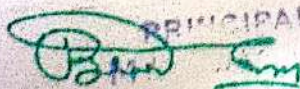# DEPARTMENT OF MECHANICAL ENGINEERING

CNC PROGRAMMING COURSE

Summery

Department of Mechanical Engineering

1. Explain applications and advantages of CNC machines and technology
2. Prepare CNC program for CNC Lathe & Milling,
3. Calculate CNC Machining Parameters
4. Prepare process plan, job card, inspection report
5. Handle measuring instrument for inspection
6. Prepare program and execute machining for CNC Lathe, Milling, EDM and WEDM
7. Follow Safety norms during operations

Copy to :

1. Department of Notice Board

2. Principal for Information

3. Committe Members(Academic)

PRINCIPAL

INSTITUTE
Bandlaguda, Hyd

MAHAVEER

INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affilitated to JNTUH.Hyd.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENG(

ADVANCED EDC-SYLLABUS

BJT smal signal model – Analysis of CE, CB, CC amplifers- Gain and frequency response – MOSFET smal signal model– Analysis of CS and Source folower – Gain and frequency response- High frequency analysis.

BIMOS cascade amplifer, Diferentialamplifer – Common mode and Diference mode analysis – FET input stages – Single tuned amplifers – Gain and frequency response – Neutralization methods, power amplifers –Types (Qualitative analysis).

Advantages of negative fedback – voltage / curent, series , Shunt fedback – positvefedback – Conditon for oscilations, phase shift – Wien bridge, Hartley, Colpits and Crystal oscilators.

Duration : 20 to 25 hrs /semester

Vysapuri, Bandlaguda Post:Keshavgiri,

Hyderabad-500 005, TELANGANA INDIA
Tel: 040-64596979,8978380692,Fax: 040-24455003
E-mail: e3hod.it@gmail.com,
Website: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SUMMARY REPORT OF PYTHON PROGRAMMING

- Python programming language is considered as simple language as it extracts most of the concepts of C and Java in terms of syntax.

- Python programming is used to learn how to design, program the python applications and explains how to use lists, tuples and dictionaries in python programs

- It explains how to identify python objet types to use indexing and slicing to access data and also to define the structure and components of a python program

- It contains the concepts of loops and decision control statements and a parameter passing techniques

- It explains the concepts of packages and to read write into the python file, has beautiful concepts of inheriting a class and ability to handle the exceptions

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

Vysapuri, Bandlaguda Post:Keshavgiri,

Hyderabad-500 005, TELANGANA INDIA
Tel: 040-64596979,8978380692.Fax: 040-24455003
E-mail: e3hod.cse@gmail.com,
Website: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SUMMARY REPORT OF 3D Graphics

• 3D computer graphics, or three-dimensional computer graphics (in contrast to 2D computer graphics), are **graphics that use a three-dimensional representation of geometric data** (often Cartesian) that is stored in the computer for the purposes of performing calculations and rendering 2D images.

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500

Vysapuri, Bandlaguda Post:Keshavgiri,

Hyderabad-500 005, TELANGANA INDIA
Tel: 040-64596979,8978380692,Fax: 040-24455003
E-mail: e3hod.it@gmail.com,
Website: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affiliated to JNTUH, Hyd.
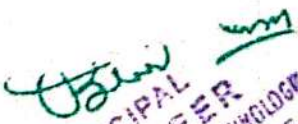
DEPARTMENT OF INFORMATION TECHNOLOGY

SUMMARY REPORT OF PYTHON PROGRAMMING

- Python programming language is considered as simple language as it extracts most of the concepts of C and Java in terms of syntax.

- Python programming is used to learn how to design, program the python applications and explains how to use lists, tuples and dictionaries in python programs

- It explains how to identify python objet types to use indexing and slicing to access data and also to define the structure and components of a python program

- It contains the concepts of loops and decision control statements and a parameter passing techniques

- It explains the concepts of packages and to read write into the python file, has beautiful concepts of inheriting a class and ability to handle the exceptions

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

sapuri, Bandlaguda Post:Keshavgiri,

Hyderabad-500 005, TELANGANA INDIA
Tel: 040-64596979,8978380692,Fax: 040-24455003
E-mail: e3hod.it@gmail.com,
Website: www.mist.ac.in,

MAHAVEER

INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affilitated to JNTUH,Hyd.

DEPARTMENT OF INFORMATION TECHNOLOGY

SUMMARY REPORT OF Advance Java and J2EE using Eclipse

- Java programming language is considered as simple language as it extracts most of the concepts of C and C++ in terms of syntax.

- Java programming is used to learn how to design, program the web applications and explains how to use web applications

- It explains how to identify java object types to use indexing and slicing to access data and also to define the structure and components of a java program

- It explains the concepts of packages and to read write into the java file, has beautiful concepts of inheriting a class and ability to handle the exceptions

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

Vysapuri, Bandlaguda Post:Keshavgiri,
Hyderabad-500 005, Telangana INDIA
Tel: 040-64896979,20020773, Fax: 040-24488003
E-mail: principal.mahaveer@gmail.com,
Website: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affiliated to JNTUH,Hyd

Course : Micro Category Multi rotor Drone Pilot Course

Report summary

A multirotor or multicopter is a rotorcraft with more than two lift-generating rotors. An advantage of multirotor aircraft is the simpler rotor mechanics required for flight control. Unlike single- and double-rotor helicopters which use complex variable pitch rotors whose pitch varies as the blade rotates for flight stability and control, multirotors often use fixed-pitch blades; control of vehicle motion is achieved by varying the relative speed of each rotor to change the thrust and torque produced by each.

There are four main physical types of professional drones: multi-rotor, fixed-wing, single-rotor helicopter, and fixed-wing hybrid VTOL. The different body styles of each type of drone contribute to the amount of weight they can carry (payload), efficiency and duration of the flight.

HOD

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Vysapuri, Bandlaguda Post:Keshavgiri,

Hyderabad-500 005, TELANGANA INDIA
Tel: 040-64596979,8978380692,Fax: 040-24455003
E-mail: e3hod.it@gmail.com,
Website: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

DEPARTMENT OF HUMANITIES AND SCIENCES

SUMMARY REPORT ON ADD ON COURSE(ULTRASONICS)

ultrasonics, Vibrational or stress waves in elastic media that have a frequency above 20 kilohertz, the highest frequency of sound waves that can be detected by the human ear. They can be generated or detected by piezoelectric transducers (*see* piezoelectricity). High-power ultrasonics produce distortion in a medium; applications include ultrasonic welding, drilling, irradiation of fluid suspensions (as in wine clarification), cleaning of surfaces (such as jewelry), and disruption of biological structures. Low-power ultrasonic waves do not cause distortions; uses include sonar, structure testing, and medical imaging and diagnosis. Some animals, including bats, employ ultrasonic echolocation for navigation.

Cordinator

COPY TO:
1.Department notice board.
2.Principal for information
3.committee members (academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005,

MAHAVEER

INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affiliated to JNTUH,Hyd.

DEPARTMENT OF CIVIL ENGINEERING

Etabs course

Summery

- Use ETABS for daily working process.

- Navigate throughout ETABS using major navigating tools.

- Understand the concept and techniques to draw.

- Create multiple designs using several of tools.

- Create layers to control the objects' visibility.

- ·Explain drawing using annotations.

- To use constraint for certain design.

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Vysapuri, Bandlaguda Post:Keshavgiri,
Hyderabad-500 005, Telangana INDIA
Tel: 040-64596979,20020773,.Fax: 040-24455003
E-mail: principal.mahaveer@gmail.com,
Website: www.mist.ac.in,

MAHAVEER

INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affilitated to JNTUH,Hyd.

Auto CAD COURSE
Summery

Department of Civil Engineering

- Use AutoCAD for daily working process.

- Navigate throughout AutoCAD using major navigating tools.

- Understand the concept and techniques to draw.

- Create multiple designs using several of tools.

- Create layers to control the objects' visibility.

- Explain drawing using annotations.

- Plot or print the drawing by scale.

MAHAVEER

INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affiliated to JNTUH.Hyd.

Revit COURSE
Summery

Department of Civil Engineering

- Use Revit for daily working process.
- Navigate throughout Revit using major navigating tools.
- Understand the concept and techniques to draw.
- Create multiple designs using several of tools.
- Create layers to control the objects' visibility.
- Explain drawing using annotations.
- Plot or print the drawing by scale.
- To use constraint for certain design.

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
HYDERABAD-500 005.

Vysapuri, Bandlaguda Post:Keshavgiri,

Hyderabad-500 005, TELANGANA INDIA
Tel: 040-64596979,8978380692,Fax: 040-24455003
E-mail: e3hod.eee@gmail.com,
Website: www.mist.ac.in,

MAHAVEER

Approved by AICTE, Affiliated to JNTUH,Hyd.

DEPARTMENT OF ELECTRICAL & ELECTRONICS

SUMMARY REPORT OF MATLAB PROGRAMMING

This course site is the result of several iterations of an introductory course I have given at MIT, the last of which was called DR. MATLAB. In that course I strived to change the usual pattern of teaching/learning MATLAB from a programming view point to a mathematical one. The idea is that by thinking about mathematical problems, students are prodded into learning MATLAB for the purpose of solving the problem at hand. The down-side to this approach is that it is somewhat based on the idea that people are already excited about mathematics, or can be excited about it. That said, as I taught the course at MIT, it was not a big problem.

Variables, arrays, conditional statements, loops, functions, and plots are covered in a project-based style where much of the learning happens away from the classroom. Students are expected to spend about 4 hours per week on homework. At the end of the course, students should be able to use MATLAB in their own work, and be prepared to deepen their MATLAB programming skills and tackle other languages for computing, such as Java, C++, or Python.

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

PRINCIPAL
M. MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

MAHAVEER

Approved by AICTE, Affiliated to JNTUH,Hyd.

DEPARTMENT OF ELECTRICAL & ELECTRONICS

SUMMARY REPORT OF PSPICE programming Certification

PSPICE is a circuit analysis tool that allows the user to simulate a circuit and extract key voltages and currents. Information is entered into PSPICE via one of two methods; they are a typed 'Net List' or by designing a visual a schematic which is transformed into a netlist. In this class we will look at both the net list and the schematics. However, to to fully utilize the schematics we must first understand and become familiar with designing the net list.

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

MAHAVEER

Approved by AICTE, Affiliated to JNTUH Hyd

Auto CAD COURSE
Summery

Department of Mechanical Engineering

- Use AutoCAD for daily working process.

- Navigate throughout AutoCAD using major navigating tools.

- Understand the concept and techniques to draw.

- Create multiple designs using several of tools.

- Create layers to control the objects' visibility.

- Explain drawing using annotations.

- Plot or print the drawing by scale.

- To use constraint for certain design.

Copy to :

1. Department of Notice Board

2. Principal for Information

3. Committe Members(Academic)

MAHAVEER

CATIA COURSE
Summery

- In this course, you will learn how to utilize the core functionality enhancements in Catia.

- First, you will become familiar with using and customizing the new ribbon interface in Catia.

- The new measure and sectioning interfaces will also be examined. Next, you will become familiar with the Sketcherworkflow and reference enhancements.

- Part modeling enhancements to features such as Extrude, Corner Chamfer, Sweeps, Blends, and Datum Curves will then beexamined.

- You will also learn about new and enhanced Assembly capabilities, such as selecting multiple components, the newrelationship constraints, and enhancements for dragging components.

- Then, you will examine the new Table and Balloon functionality for 2-D drawings, and review various detailingenhancements.

- At the end of each module, you will complete a set of review questions to reinforce critical topics from that module. At theend of the course, you will complete a course assessment in Catia intended to evaluate your understanding of the course as a whole.

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005,

Copy to :

1.Department of Notice Board

2.Principal for Information

3.Committe Members(Academic)

MAHAVEER

Approved by AICTE, Affiliated to JNTUH Hyd

ANSYS COURSE
Summery

Department of Mechanical Engineering

1.The Geometry preparation training course is for users who want to create and modify geometry in preparation for CFD or FEA analysis. The training will be focused in either ANSYS Design Modeler or ANSYS Space Claim.

2. The ANSYS Meshing training course will give you the tools for generating good quality meshes for Fluent andCFX. The trainee will choose which tool should be used: ANSYS Meshing, Fluent Meshing or ICEM CFD

3. This course will show how to set up a range of simulation types in the ANSYS Fluent or ANSYS CFX solver, aswell as how to post process the results by using our CFD Post Tool.

4. This course will show how to set up a range of simulation types in ANSYS Mechanical, as well as how to post process and evaluate your results.

5. To acquire advance knowledge to perform explicit simulations with ANSYS Explicit STR, ANSYS AUTODYN or ANSYS LS-DYNA

6. This is an introductory to intermediate level training for using ANSYS HFSS for all applications, like RF/microwave, antennas or planar problems. Participants will get understanding of HFSS modeling, solution process and post-processing features, which can be used for other advanced applications. The course will also cover advanced topics like dynamic link between EM and circuit, impedance matching, overview of HFSS 3Dlayout interface and speeding-up HFSS simulation using HPC.

7. Provide the needed tools for the complete simulation of a pressure Vessel from scratch. Several types of analysis and boundary conditions will be discussed, by using pressure vessels examples.

8.To acquire advance knowledge for performing mechanical simulation in Fixed Offshore Structures.

Copy to :

1.Department of Notice Board

2.Principal for Information

3.Committe Members(Academic)

ysapuri, Bandlaguda Post:Keshavgirl,

Hyderabad-500 005, TELANGANA INDIA
Tel: 040-64596979,8978380692,Fax: 040-24455003
E-mail: e3hod.it@gmail.com, Website: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DVANCED EDC-SYLLABUS

BJT smal signal model – Analysis of CE, CB, CC amplifers- Gain and frequency response – MOSFET smal signal model– Analysis of CS and Source folower – Gain and frequency response- High frequency analysis.

BIMOS cascade amplifer, Diferentialamplifer – Common mode and Diference mode analysis – FET input stages – Single tuned amplifers – Gain and frequency response – Neutralization methods, power amplifers –Types (Qualitative analysis).

Advantages of negative fedback – voltage / curent, series , Shunt fedback –positvefedback – Conditon for oscilations, phase shift – Wien bridge, Hartley, Colpits and Crystal oscilators.

Duration : 20 to 25 hrs /semester

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Vysapuri, Bandlaguda Post:Keshavgiri,

Hyderabad-500 005, TELANGANA INDIA
Tel: 040-64596979,8978380692,Fax: 040-24455003
E-mail: e3hod.it@gmail.com,
Website: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affilitated to JNTUH,Hyd.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date:20-12-2019

CIRCULAR

Technical Trainings on Advanced VLSI Design is starting from **23-12-2020** onwards. All the students IV year B. Tech should attend.

Design and development of curriculum for add-on courses :
Faculty Names: 1.Dr. Jaspal Kumar
2.Mr.Ch. Sandeep Kumar
3. Mrs. S Soujanya

HOD, ECE

Cc: Principal for information
: Coordinator to inform the students
: Notice board &department File.

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

, Bandlaguda Post:Keshavgiri,

ad-500 005, TELANGANA INDIA
64596979,8978380692,Fax: 040-24455003
3hod.cse@gmail.com,
: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SUMMARY REPORT OF Basic Web Designing

Layout. If you want to design and build websites, understanding good layout is key. We suggest ng things minimal.

Color. You have the colors of the rainbow and beyond available to you. ... The power of the color er can be wielded.

Typography. Webflow comes with a wide selection of fonts and the option to add more. ography is two-dimensional.

)ORDINATOR

opy to:

. Department Notice Board
:. Principal for Information
3. Committee Members (Academic)

PRINCIPAL
MAHAVEER
INSTIT O: ENCE & TECH
andagu.da, Hy.

Scanned with OKEN Scanner

puri, Bandlaguda Post:Keshavgiri,

Hyderabad-500 005, TELANGANA INDIA
Tel: 040-64596979,8978380692,Fax: 040-24455003
E-mail: e3hod.it@gmail.com,
Website: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affiliated to JNTUH,Hyd.

DEPARTMENT OF INFORMATION TECHNOLOGY

SUMMARY REPORT OF Android Application Development

Android apps have transformed the mobile app market.

There is a broad range of applications of Android app, particularly in the business world.

When it comes to the development of Android app, certain things need to be deemed.

The expectations of the customers, demands of the business, the workflow of the business, the requirements of the employees and group members, etc. need to be think about before app development.

Best Android apps can simply be created with diverse app-creation platforms or through traditional app development. Android app development can assist a business in reaching out to more customers, improve its sales, improve its brand image and create a loyal customer base.

It can lay the base for the success of any business.

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005

puri, Bandlaguda Post:Keshavgiri,

derabad-500 005, TELANGANA INDIA
: 040-64596979,8978380692,Fax: 040-24455003
mail: e3hod.it@gmail.com,
Website: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affiliated to JNTUH,Hyd.

DEPARTMENT OF INFORMATION TECHNOLOGY

SUMMARY REPORT OF Oracle Java Certification

Oracle is a database that delivers excellent performance when challenged with demanding tasks.

The **ACID** test, which is an **important** tool used to ensure the integrity of data stored, was easily passed by **Oracle** databases.

This test is **important** since reliable data storage is the main purpose of a database.

Java is one of the most popular programming languages used to create Web applications and platforms.

It was designed for flexibility, allowing developers to write code that would run on any machine, regardless of architecture or platform.

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

MAHAVEER

INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affilitated to JNTUH,Hyd.

Course: Computer Aided Analysis FLUENT

Summary report

ANSYS Fluent is a powerful computational fluid dynamics (CFD) software for optimizing product's performance. Its broad physical modeling capabilities help model flow, turbulence, and heat transfer. With ANSYS Fluent you have access to several fluid flow physics model, which help analyze your product with precision

Ansys FLUENT software contains the broad physical modeling capabilities needed to model flow, turbulence, heat transfer, and reactions for industrial applications ranging from air flow over an aircraft wing to combustion in a furnace, from bubble columns to oil platforms, from blood flow to semiconductor manufacturing

HOD

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Vysapuri, Bandlaguda Post:Keshavgiri,

Hyderabad-500 005, TELANGANA INDIA
Tel: 040-64596979,8978380692,Fax: 040-24455003
E-mail: e3hod.it@gmail.com,
Website: www.mist.ac.in,

MAHAVEER

Approved by AICTE, Affilitated to JNTUH,Hyd.

DEPARTMENT OF HUMANITIES AND SCIENCES

SUMMARY REPORT OF SOFTSKILLS

Soft skills, also known as common skills or core skills, are skills which are desirable in all professions.These include critical thinking, problem solving, public speaking, professional writing, teamwork, digital literacy, leadership, professional attitude, work ethic, career management and intercultural fluency. This is in contrast to hard skills, which are specific to individual professions.The word "skill" highlights the practical function. The term alone has a broad meaning, and describes a particular ability to complete tasks ranging from easier ones like "learning how to kick a ball" to harder ones like "learning how to be creative".In this specific instance, the word "skill" has to be interpreted as the ability to master hardly controlled actions.

Cordinator

COPY TO:
1.Department notice board.
2.Principal for information
3.committee members (academic)

AL
VEER
IN: SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005,

Vysapuri, Bandlaguda Post:Keshavgiri.
Hyderabad-500 005, Telangana INDIA
Tel: 040-64596979,20020773,.Fax: 040-24455003
E-mail: principal.mahaveer@gmail.com,
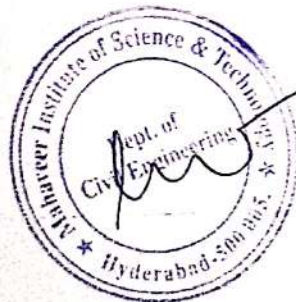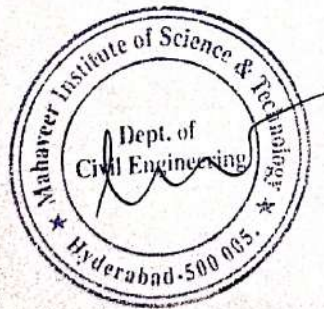Website: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE. Affiliated to JNTUH.Hyd.

Auto CAD COURSE
Summery

Department of Civil Engineering

- Use AutoCAD for daily working process.

- Navigate throughout AutoCAD using major navigating tools.

- Understand the concept and techniques to draw.

- Create multiple designs using several of tools.

- Create layers to control the objects' visibility.

- Explain drawing using annotations.

- Plot or print the drawing by scale.

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Vysapuri, Bandlaguda Post:Keshavgiri,
Hyderabad-500 005, Telangana INDIA
Tel: 040-64596979,20020773,,Fax: 040-24455003
E-mail: principal.mahaveer@gmail.com,
Website: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

Revit COURSE
Summery

Department of Civil Engineering

- Use Revit for daily working process.

- Navigate throughout Revit using major navigating tools.

- Understand the concept and techniques to draw.

- Create multiple designs using several of tools.

- Create layers to control the objects' visibility.

- Explain drawing using annotations.

- Plot or print the drawing by scale.

- To use constraint for certain design.

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Vysapuri, Bandlaguda Post:Keshavgiri,
Hyderabad-500 005, Telangana INDIA
Tel: 040-64596979,20020773,,Fax: 040-24455003
E-mail: principal.mahaveer@gmail.com,
Website: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

GEO5 COURSE
Summery

Department of Civil Engineering

- Use GEO5 for daily working process.

- Navigate throughout GEO5 using major navigating tools.

- Understand the concept and techniques to draw.

- Create multiple designs using several of tools.

- Create layers to control the objects' visibility.

- Explain drawing using annotations.

- Plot or print the drawing by scale.

- To use constraint for certain design.

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affiliated to JNTUH,Hyd.

STAAD PRO COURSE
Summery

Department of Civil Engineering

- Model Generation and Editing
- Assigning loads
- Creating Load Combinations
- Concrete Design
- Seismology
- Steel Design
- Foundation Designs
- Report Generation and Plotting

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Vysapuri, Bandlaguda Post:Keshavgiri,

MAHAVEER

Hyderabad-500 005, TELANGANA INDIA
Tel: 040-64596979,8978380692.Fax: 040-24455003 Approved by AICTE. Affiliated to JNTUH,Hyd.
E-mail: e3hod.eee@gmail.com,
Website: www.mist.ac.in,

DEPARTMENT OF ELECTRICAL & ELECTRONICS

SUMMARY REPORT OF PLC PROGRAMME

- Programmable Logic Controller (PLC) or programmable controller is a **digital computer used for automation of electromechanical processes.** such as control of machinery on factory assembly lines, amusement rides, or light fixtures. PLCs are used in many industries and machines.

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Vysapuri, Bandlaguda Post:Keshavgiri,

Hyderabad-500 005, TELANGANA INDIA
Tel: 040-64596979,8978380692,Fax: 040-24455003
E-mail: e3hod.eee@gmail.com,
Website: www.mist.ac.in,

MAHAVEER

Approved by AICTE, Affilitated to JNTUH,Hyd.

DEPARTMENT OF ELECTRICAL & ELECTRONICS

SUMMARY REPORT OF Electrical Energy Management

- Electrical Energy Management System (EEMS) widely refers to a computer system which is designed specifically for **the automated control and monitoring of electric power and utility system.** The scope may span from a load dispatch center to a group of power networks.

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

MAHAVEER

Approved by AICTE Affilitated to JNTUH,Hyd

Auto CAD COURSE
Summery

Department of Mechanical Engineering

- Use AutoCAD for daily working process.

- Navigate throughout AutoCAD using major navigating tools.

- Understand the concept and techniques to draw.

- Create multiple designs using several of tools.

- Create layers to control the objects' visibility.

- Explain drawing using annotations.

- Plot or print the drawing by scale.

- To use constraint for certain design.

Copy to :

1.Department of Notice Board

2.Principal for Information

3.Committe Members(Academic)

IPAL
N VEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

MAHAVEER

INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affilitated to JNTUH,Hyd.

CATIA COURSE
Summery

➤ In this course, you will learn how to utilize the core functionality enhancements in Catia.

➤ First, you will become familiar with using and customizing the new ribbon interface in Catia.

➤ The new measure and sectioning interfaces will also be examined. Next, you will become familiar with the Sketcher workflow and reference enhancements.

➤ Part modeling enhancements to features such as Extrude, Corner Chamfer, Sweeps, Blends, and Datum Curves will then be examined.

➤ You will also learn about new and enhanced Assembly capabilities, such as selecting multiple components, the new relationship constraints, and enhancements for dragging components.

➤ Then, you will examine the new Table and Balloon functionality for 2-D drawings, and review various detailing enhancements.

➤ At the end of each module, you will complete a set of review questions to reinforce critical topics from that module. At the end of the course, you will complete a course assessment in Catia intended to evaluate your understanding of the course as a whole.

Copy to :

1.Department of Notice Board

2.Principal for Information

3.Committe Members(Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

MAHAVEER

Approved by AICTE, Affiliated to JNTUH,Hyd

ANSYS COURSE

Summery

Department of Mechanical Engineering

1.The Geometry preparation training course is for users who want to create and modify geometry in preparation for CFD or FEA analysis. The training will be focused in either ANSYS Design Modeler or ANSYS Space Claim.

2. The ANSYS Meshing training course will give you the tools for generating good quality meshes for Fluent andCFX. The trainee will choose which tool should be used: ANSYS Meshing, Fluent Meshing or ICEM CFD

3. This course will show how to set up a range of simulation types in the ANSYS Fluent or ANSYS CFX solver, aswell as how to post process the results by using our CFD Post Tool.

4. This course will show how to set up a range of simulation types in ANSYS Mechanical, as well as how to post process and evaluate your results.

5. To acquire advance knowledge to perform explicit simulations with ANSYS Explicit STR, ANSYS AUTODYN or ANSYS LS-DYNA

6. This is an introductory to intermediate level training for using ANSYS HFSS for all applications, like RF/microwave, antennas or planar problems. Participants will get understanding of HFSS modeling, solution process and post-processing features, which can be used for other advanced applications. The course will also cover advanced topics like dynamic link between EM and circuit, impedance matching, overview of HFSS 3Dlayout interface and speeding-up HFSS simulation using HPC.

7. Provide the needed tools for the complete simulation of a pressure Vessel from scratch. Several types of analysis and boundary conditions will be discussed, by using pressure vessels examples.

8.To acquire advance knowledge for performing mechanical simulation in Fixed Offshore Structures.

Copy to :

1.Department of Notice Board

2.Principal for Information

3.Committe Members(Academic)

MAHAVEER

puri, Bandlaguda Post:Keshavgiri,

rabad-500 005, TELANGANA INDIA
040-64596979,8978380692,Fax: 040-24455003
il: e3hod.it@gmail.com,
site: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

NCED EDC-SYLLABUS

BJT smal signal model – Analysis of CE, CB, CC amplifers- Gain and frequency response – MOSFET smal signal model– Analysis of CS and Source folower – Gain and frequency response- High frequency analysis.

BIMOS cascade amplifer, Diferentialamplifer – Common mode and Diference mode analysis – FET input stages – Single tuned amplifers – Gain and frequency response – Neutralization methods, power amplifers –Types (Qualitative analysis).

Advantages of negative fedback – voltage / curent, series , Shunt fedback –positvefedback – Conditon for oscilations, phase shift – Wien bridge, Hartley, Colpits and Crystal oscilators.

uration : 20 to 25 hrs /semester

ouri, Bandlaguda Post:Keshavgiri,

rabad-500 005, TELANGANA INDIA
40-64596979,8978380692,Fax: 040-24455003
l: e3hod.it@gmail.com,
te: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SYLLABUS : ADVACED VLSI DESIGN

Digital Integrated Circuit Design

- o CMOS standard cell characteristics
- o Delay calculation (Elmore model, Logical Effort)
- o Low power design
- o Static Timing Analysis
- o Digital ASIC design flow

Analog Integrated Circuit Design

- o Device Physics of the MOSFET
- o Physics Insights: MOSFET as a Switch
- o Analytical Techniques: Low and High frequency analysis, Noise analysis
- o Feedback
- o OPAMP Design
- o Oscillators and Phase Locked Loops
- o Analog Integrated Circuits Beyond Silicon

Emerging Technologies

- o Open Source Processor Architecture (RISC-V)
- o Neuromorphic Computing
- o Edge Computing
- o Flexible Electronics

Advanced Digital Design and FPGA based Design

- o VLSI Micro-architecture Design
- o Timing Closure
- o High Throughput Computing
- o FPGA Based System Design
- o Processor Design

tion : 20 to 25 hrs /semester

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

apuri, Bandlaguda Post:Keshavgiri,

rabad-500 005, TELANGANA INDIA
040-64596979,8978380692,Fax: 040-24455003
il: e3hod.cse@gmail.com,
site: www.mist.ac.in,

MAHAVEER

INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affiliated to JNTUH,Hyd.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SUMMARY REPORT OF PC Hardware and Networking

Computer Hardware is the combination of physical components or parts that makes the uter system. Physical components include **monitor, keyboard, mouse, hard disk drive,** ic card, RAM, motherboard, etc.

Networking is the field of computer science that allows computers to exchange data or nation.

RDINATOR

to:

artment Notice Board
icipal for Information
mittee Members (Academic)

PRINCIPAL
VEER
TECHNOLOGY
Bandlaguda, Hyd-500 005.

i, Bandlaguda Post:Keshavgiri,

ad-500 005, TELANGANA INDIA
-64596979,8978380692,Fax: 040-24455003
e3hod.cse@gmail.com,
: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SUMMARY REPORT OF Angular JS

AngularJS is a efficient framework that can create Rich Internet Applications (RIA).
AngularJS provides developers an options to write client side applications using JavaScript
n Model View Controller (MVC) way.
Applications written in AngularJS are cross-browser compliant.
INATOR

ment Notice Board
al for Information
ittee Members (Academic)

ri, Bandlaguda Post:Keshavgiri,

bad-500 005, TELANGANA INDIA
64596979,8978380692,Fax: 040-24455003
e3hod.it@gmail.com,
: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affiliated to JNTUH,Hyd.

EPARTMENT OF INFORMATION TECHNOLOGY

SUMMARY REPORT OF Technical Training HTML

Python programming language is considered as simple language as it extracts most of the concepts of C and Java in terms of syntax.

Python programming is used to learn how to design, program the python applications and explains how to use lists, tuples and dictionaries in python programs

It explains how to identify python objet types to use indexing and slicing to access data and also to define the structure and components of a python program

It contains the concepts of loops and decision control statements and a parameter passing techniques

It explains the concepts of packages and to read write into the python file, has beautiful concepts of inheriting a class and ability to handle the exceptions

COORDINATOR

rtment Notice Board
ipal for Information
mittee Members (Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005,

Vysapuri, Bandlaguda Post:Keshavgiri,
Hyderabad-500 005, Telangana INDIA
Tel: 040-64596979,20020773,,Fax: 040-24455003
E-mail: principal.mahaveer@gmail.com.
Website: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affiliated to JNTUH,Hyd.

Course:Computer Aided Design CREO

Summary report

This course aims to help product designers and engineers in developing a product design virtually. Creo is equipped with all the capabilities that are required for completing a product design. The software Creo provides the broadest range of scalable software solutions towards product development within the market.

With Creo Parametric, and its extensions, you can create, analyze, view, and share designs downstream using 2D CAD, 3D CAD, and parametric and direct modeling capabilities

A. Bowndary
HOD

PRINCIPAL
MAHAVEER.
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

sapuri, Bandlaguda Post:Keshavgiri,

lerabad-500 005, TELANGANA INDIA
: 040-64596979,8978380692,Fax: 040-24455003
nail: e3hod.it@gmail.com,
bsite: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

DEPARTMENT OF HUMANITIES AND SCIENCES

SUMMARY REPORT OF CERTIFICATE COURSE ON COMMUNICATION SKILLS

nmunication is process by which information is exchanged between individuals through a common em of symbols, signs, or behaviour.Communication is a source of information to the organizational nbers for decision-making process. Communication also helps in socializing. communication also stsin controlling processEffective communication is a part and parcel of any successful inization. A communication should be free from barriers so as to be effective. Communication is a way process where the message sent by the sender should be interpreted in the same terms by the pient.

PY TO:
epartment notice board.
incipal for information
mmittee members (academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Bandlaguda Post:Keshavgiri,

d-500 005, TELANGANA INDIA
4596979,8978380692,Fax: 040-24455003
hod.it@gmail.com,
www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affiliated to JNTUH,Hyd.

PARTMENT OF INFORMATION TECHNOLOGY

SUMMARY REPORT OF Web application development using PHP & XML

Programming the Languages mostly commonly used for Website and Web Application Development.

is a general purpose, server-side scripting language run a web server that's designed to make dynamic and applications.

as a web development option is secure, fast and a reliable that offers lots more advantages to make it sible to a lot of people.

o be given a thought as to what has made PHP Programming as one of the most commonly amming language for the Web industry.

allows the flexible development of user-defined document types.

vides a robust, non-proprietary, persistent, and verifiable file format for the storage and transmission of text data both on and off the Web; and it removes the more complex options of SGML, making it easier to ram for.

COORDINATOR

ment Notice Board
al for Information
ittee Members (Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

MAHAVEER

INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affilitated to JNTUH,Hyd.

DEPARTMENT OF CIVIL ENGINEERING

Etabs course

Summery

Department of Civil Engineering

- Use ETABS for daily working process.

- Navigate throughout ETABS using major navigating tools.

- Understand the concept and techniques to draw.

- Create multiple designs using several of tools.

- Create layers to control the objects' visibility.

- Explain drawing using annotations.

- To use constraint for certain design.

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandiaguda, Hyd-500 005.

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

GEO5 COURSE
Summery

Department of Civil Engineering

- Use GEO5 for daily working process.

- Navigate throughout GEO5 using major navigating tools.

- Understand the concept and techniques to draw.

- Create multiple designs using several of tools.

- Create layers to control the objects' visibility.

- Explain drawing using annotations.

- Plot or print the drawing by scale.

- To use constraint for certain design.

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Vysapuri, Bandlaguda Post:Keshavgiri,
Hyderabad-500 005, Telangana INDIA
Tel: 040-64596979,20020773,.Fax: 040-24455003
E-mail: principal.mahaveer@gmail.com,
Website: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affilitated to JNTUH,Hyd.

STAAD PROVi8 COURSE
Summery

Department of Civil Engineering

- Model Generation and Editing
- Assigning loads
- Creating Load Combinations
- Concrete Design
- Seismology
- Steel Design
- Foundation Designs
- Report Generation and Plotting

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY

Vysapuri, Bandlaguda Post:Keshavgiri,

Hyderabad-500 005, TELANGANA INDIA
Tel: 040-64596979,8978380692,Fax: 040-24455903 Approved by AICTE, Affilitated to JNTUH,Hyd.
E-mail: e3hod.eee@gmail.com,
Website: www.mist.ac.in,

MAHAVEER

DEPARTMENT OF ELECTRICAL & ELECTRONICS

SUMMARY REPORT OF Industrial Management

Industrial management is the organizational process that includes strategic planning, setting; objectives, managing resources, deploying the human and financial assets needed to achieve objectives, and measuring results.

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Vysapuri, Bandlaguda Post:Keshavgiri,

Hyderabad-500 005, TELANGANA INDIA
Tel: 040-64596979,8978380692,Fax: 040-24455003
E-mail: e3hod.eee@gmail.com,
Website: www.mist.ac.in,

MAHAVEER

Approved by AICTE. Affilitated to JNTUH,Hyd.

DEPARTMENT OF ELECTRICAL & ELECTRONICS

SUMMARY REPORT OF Electrical Installation Standards

The study of a proposed electrical installation requires an adequate understanding of all governing rules and regulations. A list of most common IEC standards is provided.

The total power demand can be calculated based on the location and power of each load, together with the knowledge of the operating modes (steady state demand, starting conditions, non simultaneous operation, etc.).

The power and number of sources required to supply the electrical installation is readily obtained, also taking into account local tariff structures, to allow the best choice of connection arrangement to the power-supply network, e.g. at medium voltage or low voltage level.

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

MAHAVEER

Approved by AICTE, Affiliated to JNTUH,Hyd

Auto CAD COURSE
Summery

Department of Mechanical Engineering

- Use AutoCAD for daily working process.

- Navigate throughout AutoCAD using major navigating tools.

- Understand the concept and techniques to draw.

- Create multiple designs using several of tools.

- Create layers to control the objects' visibility.

- Explain drawing using annotations.

- Plot or print the drawing by scale.

- To use constraint for certain design.

Copy to :

1.Department of Notice Board

2.Principal for Information

3.Committe Members(Academic)

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affilitated to JNTUH,Hyd

CATIA COURSE
Summery

> In this course, you will learn how to utilize the core functionality enhancements in Catia.

> First, you will become familiar with using and customizing the new ribbon interface in Catia.

> The new measure and sectioning interfaces will also be examined. Next, you will become familiar with the Sketcher workflow and reference enhancements.

> Part modeling enhancements to features such as Extrude, Corner Chamfer, Sweeps, Blends, and Datum Curves will then be examined.

> You will also learn about new and enhanced Assembly capabilities, such as selecting multiple components, the new relationship constraints, and enhancements for dragging components.

> Then, you will examine the new Table and Balloon functionality for 2-D drawings, and review various detailing enhancements.

> At the end of each module, you will complete a set of review questions to reinforce critical topics from that module. At the end of the course, you will complete a course assessment in Catia intended to evaluate your understanding of the course as a whole.

Copy to :

1.Department of Notice Board

2.Principal for Information

3.Committe Members(Academic)

VEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

MAHAVEER

Approved by AICTE. Affiliated to JNTUH,Hyd

ANSYS COURSE
Summery

Department of Mechanical Engineering

1.The Geometry preparation training course is for users who want to create and modify geometry in preparation for CFD or FEA analysis. The training will be focused in either ANSYS Design Modeler or ANSYS Space Claim.

2. The ANSYS Meshing training course will give you the tools for generating good quality meshes for Fluent andCFX. The trainee will choose which tool should be used: ANSYS Meshing, Fluent Meshing or ICEM CFD

3. This course will show how to set up a range of simulation types in the ANSYS Fluent or ANSYS CFX solver, aswell as how to post process the results by using our CFD Post Tool.

4. This course will show how to set up a range of simulation types in ANSYS Mechanical, as well as how to post process and evaluate your results.

5. To acquire advance knowledge to perform explicit simulations with ANSYS Explicit STR, ANSYS AUTODYN or ANSYS LS-DYNA

6. This is an introductory to intermediate level training for using ANSYS HFSS for all applications, like RF/microwave, antennas or planar problems. Participants will get understanding of HFSS modeling, solution process and post-processing features, which can be used for other advanced applications. The course will also cover advanced topics like dynamic link between EM and circuit, impedance matching, overview of HFSS 3Dlayout interface and speeding-up HFSS simulation using HPC.

7. Provide the needed tools for the complete simulation of a pressure Vessel from scratch. Several types of analysis and boundary conditions will be discussed. by using pressure vessels examples.

8.To acquire advance knowledge for performing mechanical simulation in Fixed Offshore Structures.

Copy to :

1.Department of Notice Board

2.Principal for Information

3.Committe Members(Academic)

apuri, Bandlaguda Post:Keshavgiri,

Hyderabad-500 005, TELANGANA INDIA
Tel: 040-64596979,8978380692,Fax: 040-24455003
E-mail: e3hod.it@gmail.com,
Website: www.mist.ac.in,

MAHAVEER

INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affilitated to JNTUH,Hyd.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SUMMARY REPORT OF Training - C programming

C is robust **language** and has rich set of built-in functions, data types and operators which can be used to write any complex **program**.

Program written in C are efficient due to availability of several data types and operators.
C is good choice for system-level programming. Nevertheless, it is not perfect for all programmers and all situations.

C pointers are a common source of confusion and programming errors.
C also lacks explicit support for useful abstractions such as classes and objects.
That may be a reason C is not preferable language for application-level programming. Newer languages such as C++ and Java address these issues for application-level programs.

C programming language is not limited to but used widely in operating systems, language compilers, network drivers, language interpreters, and system utilities areas of development.

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

ysapuri, Bandlaguda Post:Keshavgiri,

Hyderabad-500 005, TELANGANA INDIA
Tel: 040-64596979,8978380692,Fax: 040-24455003
E-mail: e3hod.it@gmail.com,
Website: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SUMMARY REPORT OF Java Certification Programme

Java is one of the most popular programming languages used to create Web applications and platforms. It was designed for flexibility, allowing developers to write code that would run on any machine, regardless of architecture or platform

Java is designed to be concurrent, class-based and object-oriented, as well as a computing platform first released by Sun Microsystems in 1995. An enormous amount of applications and websites will not work unless you have Java installed, and more are created every day.

Java is advertised, and esteemed for its fast performance, security, and reliability.

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

ysapuri, Bandlaguda Post:Keshavgiri,

Hyderabad-500 005, TELANGANA INDIA
Tel: 040-64596979,8978380692,Fax: 040-24455003
E-mail: e3hod.cse@gmail.com,
Website: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SUMMARY REPORT OF Android Mobile Application

It is currently used in various devices such **as mobiles, tablets, televisions** etc. **Android** provides a rich application framework that allows us to **build innovative apps and games** for mobile devices in a Java language environment.

Presently, the use of mobile apps can be seen in areas such **as communication, education, cooking, social media, shopping, business (money making), matrimony, and banking.** On daily basis individuals seek for updated versions of these apps.

Among the various Application categories developed by us on the android platform, some of them are; **Communication Application, Business Application, Multimedia Application, Internet Application, Fun/Entertainment Application, Gaming Application, Utility and Security Application..**

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Scanned with OKEN Scanner

.puri, Bandlaguda Post:Keshavgiri,

Hyderabad-500 005, TELANGANA INDIA
Tel: 040-64596979,8978380692,Fax: 040-24455003
E-mail: e3hod.it@gmail.com,
Website: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affiliated to JNTUH,Hyd.

DEPARTMENT OF INFORMATION TECHNOLOGY

SUMMARY REPORT OF Training - C programming

C is robust **language** and has rich set of built-in functions, data types and operators which can be used to write any complex **program**.

Program written in **C** are efficient due to availability of several data types and operators.

C is good choice for system-level programming. Nevertheless, it is not perfect for all programmers and all situations.

C pointers are a common source of confusion and programming errors.

C also lacks explicit support for useful abstractions such as classes and objects.

That may be a reason C is not preferable language for application-level programming.

Newer languages such as C++ and Java address these issues for application-level programs.

C programming language is not limited to but used widely in operating systems, language compilers, network drivers, language interpreters, and system utilities areas of development.

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005,

Scanned with OKEN Scanner

ipuri, Bandlaguda Post:Keshavgiri,

Hyderabad-500 005, **TELANGANA INDIA**
Tel: 040-64596979,8978380692,Fax: 040-24455003
E-mail: e3hod.it@gmail.com,
Website: www.mist.ac.in,

MAHAVEER

INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affilitated to JNTUH,Hyd.

DEPARTMENT OF INFORMATION TECHNOLOGY

SUMMARY REPORT OF Java Certification Programme

Java is one of the most popular programming languages used to create Web applications and platforms. It was designed for flexibility, allowing developers to write code that would run on any machine, regardless of architecture or platform

Java is designed to be concurrent, class-based and object-oriented, as well as a computing platform first released by Sun Microsystems in 1995. An enormous amount of applications and websites will not work unless you have Java installed, and more are created every day.

Java is advertised, and esteemed for its fast performance, security, and reliability.

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Scanned with OKEN Scanner

Vysapuri, Bandlaguda Post:Keshavgiri,
Hyderabad-500 005, Telangana INDIA
Tel: 040-64596979,20020773,.Fax: 040-24455003
E-mail: principal.mahaveer@gmail.com,
Website: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

Course: Computer Aided Design CATIA – Intermediate

SUMMARY REPORT

CATIA Training. Computer Aided Design (CAD) is the use of computer software to design a product or an object. Computer Aided Engineering is the use of computer software to solve engineering problems and analyze products created using CAD. CATIA is an acronym for Computer Aided Three-dimensional Interactive Application

Overview: The Wireframe and Surface course is designed to teach you the basic wireframe and surface commands in CATIA V5-6 R2012. You more.We will learn how to create lines, points and planes in 3D space. You'll also learn how to create extruded and revolved surfaces from wireframe geometry and sketches.

A. Bommuredy
HOD

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY

Vysapuri, Bandlaguda Post:Keshavgiri,

Hyderabad-500 005, TELANGANA INDIA
Tel: 040-64596979,8978380692,Fax: 040-24455003
E-mail: e3hod.it@gmail.com,
Website: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

DEPARTMENT OF HUMANITIES AND SCIENCES

SUMMARY REPORT OF CERTIFICATE COURSE ON ULTRASONICS

Ultrasonics, Vibrational or stress waves in elastic media that have a frequency above 20 kilohertz, the highest frequency of sound waves that can be detected by the human ear. They can be generated or detected by piezoelectric transducers (*see* piezoelectricity). High-power ultrasonics produce distortion in a medium; applications include ultrasonic welding, drilling, irradiation of fluid suspensions (as in wine clarification), cleaning of surfaces (such as jewelry), and disruption of biological structures. Low-power ultrasonic waves do not cause distortions; uses include sonar, structure testing, and medical imaging and diagnosis. Some animals, including bats, employ ultrasonic echolocation for navigation.

COPY TO:
1.Department notice board.
2.Principal for information
3.committee members (academic)

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

Etabs course
Summery

Department of Civil Engineering

- Use ETABS for daily working process.
- Navigate throughout ETABS using major navigating tools.
- Understand the concept and techniques to draw.
- Create multiple designs using several of tools.
- Create layers to control the objects' visibility.
- Explain drawing using annotations.
- To use constraint for certain design.

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

GEO5 COURSE
Summery

Department of Civil Engineering

- Use GEO5 for daily working process.
- Navigate throughout GEO5 using major navigating tools.
- Understand the concept and techniques to draw.
- Create multiple designs using several of tools.
- Create layers to control the objects' visibility.
- Explain drawing using annotations.
- Plot or print the drawing by scale.
- To use constraint for certain design.

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Vysapuri, Bandlaguda Post:Keshavgiri,
Hyderabad-500 005, Telangana INDIA
Tel: 040-64596979,20020773,.Fax: 040-24455003
E-mail: principal.mahaveer@gmail.com,
Website: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

STAAD PROVi8 COURSE
Summery

Department of Civil Engineering

- Model Generation and Editing
- Assigning loads
- Creating Load Combinations
- Concrete Design
- Seismology
- Steel Design
- Foundation Designs
- Report Generation and Plotting

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Auto CAD COURSE
Summery

Department of Civil Engineering

- Use AutoCAD for daily working process.

- Navigate throughout AutoCAD using major navigating tools.

- Understand the concept and techniques to draw.

- Create multiple designs using several of tools.

- Create layers to control the objects' visibility.

- Explain drawing using annotations.

- Plot or print the drawing by scale.

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Vysapuri, Bandlaguda Post:Keshavgiri,
Hyderabad-500 005, Telangana INDIA
Tel: 040-64596979,20020773,.Fax: 040-24455003
E-mail: principal.mahaveer@gmail.com,
Website: www.mist.ac.in,

MAHAVEER

INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE. Affiliated to JNTUH.Hyd

Revit COURSE
Summery

Department of Civil Engineering

- Use Revit for daily working process.
- Navigate throughout Revit using major navigating tools.
- Understand the concept and techniques to draw.
- Create multiple designs using several of tools.
- Create layers to control the objects' visibility.
- Explain drawing using annotations.
- Plot or print the drawing by scale.
- To use constraint for certain design.

PRINCIPAL
MAHAVEER
INSTITUTE OF   TECHNOLOGY
Bandlaguda,   500 005.

Vysapuri, Bandlaguda Post:Keshavgiri,

MAHAVEER

Hyderabad-500 005, TELANGANA INDIA
Tel: 040-64596979,8978380692,Fax: 040-24455003
Approved by AICTE, Affilitated to JNTUH.Hyd.
E-mail: e3hod.eee@gmail.com,
Website: www.mist.ac.in,

DEPARTMENT OF ELECTRICAL & ELECTRONICS

SUMMARY REPORT OF Importancy of Earthing

Earthing is **used to protect you from an electric shock**. It does this by providing a path (a protective conductor) for a fault current to flow to earth. It also causes the protective device (either a circuit-breaker or fuse) to switch off the electric current to the circuit that has the fault.

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005,

Vysapuri, Bandlaguda Post:Keshavgiri,

Hyderabad-500 005, TELANGANA INDIA
Tel: 040-64596979,8978380692,Fax: 040-24455003
E-mail: e3hod.eee@gmail.com,
Website: www.mist.ac.in,

MAHAVEER

Approved by AICTE. Affilitated to JNTUH,Hyd

DEPARTMENT OF ELECTRICAL & ELECTRONICS

SUMMARY REPORT OF Multisim Program

Objective: In the fast growing electrical field for understanding of installation of machinery, operation of any equipment, to do maintenance of any equipment and wiring of panel or buildings, knowledge of drawing reading and drawing making is required. For better understanding of various electrical circuit and working of components, knowledge of simulation software is required. Learning of software like CAD, PSIM and MULTISIM will enhance student's ability for working in this fast growing electrical market

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY,
Bandlaguda, Hyd-500 005

MAHAVEER

Approved by AICTE Affiliated to JNTUH Hyd

Auto CAD COURSE
Summery

Department of Mechanical Engineering

- Use AutoCAD for daily working process.
- Navigate throughout AutoCAD using major navigating tools.
- Understand the concept and techniques to draw.
- Create multiple designs using several of tools.
- Create layers to control the objects' visibility.
- Explain drawing using annotations.
- Plot or print the drawing by scale.
- To use constraint for certain design.

Copy to :

1.Department of Notice Board

2.Principal for Information

3.Committe Members(Academic)

PRINCIPAL
MAHAVEER
Bandlag

MAHAVEER

Approved by AICTE Affiliated to JNTUH Hyd

CATIA COURSE
Summery

➤ In this course, you will learn how to utilize the core functionality enhancements in Catia.

➤ First, you will become familiar with using and customizing the new ribbon interface in Catia.

➤ The new measure and sectioning interfaces will also be examined. Next, you will become familiar with the Sketcher workflow and reference enhancements.

➤ Part modeling enhancements to features such as Extrude, Corner Chamfer, Sweeps, Blends, and Datum Curves will then be examined.

➤ You will also learn about new and enhanced Assembly capabilities, such as selecting multiple components, the new relationship constraints, and enhancements for dragging components.

➤ Then, you will examine the new Table and Balloon functionality for 2-D drawings, and review various detailing enhancements.

➤ At the end of each module, you will complete a set of review questions to reinforce critical topics from that module. At the end of the course, you will complete a course assessment in Catia intended to evaluate your understanding of the course as a whole.

Copy to :

1.Department of Notice Board

2.Principal for Information

3.Committe Members(Academic)

MAHAVEER

ANSYS COURSE
Summery

Department of Mechanical Engineering

1.The Geometry preparation training course is for users who want to create and modify geometry in preparation for CFD or FEA analysis. The training will be focused in either ANSYS Design Modeler or ANSYS Space Claim.

2. The ANSYS Meshing training course will give you the tools for generating good quality meshes for Fluent andCFX. The trainee will choose which tool should be used: ANSYS Meshing, Fluent Meshing or ICEM CFD

3. This course will show how to set up a range of simulation types in the ANSYS Fluent or ANSYS CFX solver, aswell as how to post process the results by using our CFD Post Tool.

4. This course will show how to set up a range of simulation types in ANSYS Mechanical, as well as how to post process and evaluate your results.

5. To acquire advance knowledge to perform explicit simulations with ANSYS Explicit STR, ANSYS AUTODYN or ANSYS LS-DYNA

6. This is an introductory to intermediate level training for using ANSYS HFSS for all applications, like RF/microwave, antennas or planar problems. Participants will get understanding of HFSS modeling, solution process and post-processing features, which can be used for other advanced applications. The course will also cover advanced topics like dynamic link between EM and circuit, impedance matching, overview of HFSS 3Dlayout interface and speeding-up HFSS simulation using HPC.

7. Provide the needed tools for the complete simulation of a pressure Vessel from scratch. Several types of analysis and boundary conditions will be discussed, by using pressure vessels examples.

8.To acquire advance knowledge for performing mechanical simulation in Fixed Offshore Structures.

Copy to :

1.Department of Notice Board

2.Principal for Information

3.Committe Members(Academic)

PRINCIPAL
MAHAVEER
INSTITUTE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

...sapuri, Bandlaguda Post:Keshavgiri,

...yderabad-500 005, TELANGANA INDIA
...el: 040-64596979,8978380692,Fax: 040-24455003
...mail: e3hod.it@gmail.com,
...ebsite: www.mist.ac.in,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SUMMARY REPORT OF Technical Training MS-Office

The purpose of the **MS Word** is to allow the users to type and save documents. ...

Microsoft **word** is used to save documents.

The documents can be copied to flash drive which serves as an external memory for your computer.

This allows you to use the saved documents conveniently taking with you anywhere.

MS Excel is a spreadsheet programme developed by Microsoft in 1985, with the sole purpose of helping businesses compile all their financial data, yearly credit, and yearly debit sheets.

Fast forward to the future after 31 years, it is now the most commonly used program for creating graphs and pivot tables.

Making your presentation more interesting through the use of multimedia can help to improve the audience's focus.

PowerPoint allows you to use images, audio and video to have a greater visual impact.

These visual and audio cues may also help a presenter be more improvisational and interactive with the audience.

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affilitated to JNTUH,Hyd.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SUMMARY REPORT OF Cloud computing

Cloud computing is perhaps the most flamboyant technological innovation of the 21st century.
This is because it has seen the fastest adoption into the mainstream than any other technology in the domain.
This adoption has been fueled mainly by the ever-increasing number of smart phones and mobile devices that can access the internet.
Cloud computing is not just for organizations and businesses; it's also useful for the average person as well.
It enables us to run software programs without installing them on our computers; it enables us to store and access our multimedia content via the internet, it enables us to develop and test programs without necessarily having servers and so on.
Hadoop is an open source platform that provides excellent data management provision.
It is a framework that supports the processing of large data sets in a distributed computing environment.
It is designed to expand from single servers to thousands of machines, each providing computation and storage.
Its distributed file system facilitates rapid data transfer rates among nodes and allows the system to continue operating uninterrupted in case of a node failure, which minimizes the risk of catastrophic system failure, even if a significant number of nodes become out of action.

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hy-500 005.

, Bandlaguda Post:Keshavgiri,

rabad-500 005, TELANGANA INDIA
140-64596979,8978380692,Fax: 040-24455003
ail: e3hod.it@gmail.com,
bsite: www.mist.ac.in,

MAHAVEER

INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affiliated to JNTUH,Hyd.

DEPARTMENT OF INFORMATION TECHNOLOGY

SUMMARY REPORT OF Technical Training MS-Office

The purpose of the **MS Word** is to allow the users to type and save documents. ...

Microsoft **word** is used to save documents.

The documents can be copied to flash drive which serves as an external memory for your computer.

This allows you to use the saved documents conveniently taking with you anywhere.

MS Excel is a spreadsheet programme developed by Microsoft in 1985, with the sole purpose of helping businesses compile all their financial data, yearly credit, and yearly debit sheets.

Fast forward to the future after 31 years, it is now the most commonly used program for creating graphs and pivot tables.

Making your presentation more interesting through the use of multimedia can help to improve the audience's focus.

PowerPoint allows you to use images, audio and video to have a greater visual impact.

These visual and audio cues may also help a presenter be more improvisational and interactive with the audience.

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005,

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affiliated to JNTUH,Hyd.

DEPARTMENT OF INFORMATION TECHNOLOGY

SUMMARY REPORT OF Cloud computing with HADOOP FRAMEWORK

Cloud computing is perhaps the most flamboyant technological innovation of the 21st century. This is because it has seen the fastest adoption into the mainstream than any other technology in the domain.

This adoption has been fueled mainly by the ever-increasing number of smart phones and mobile devices that can access the internet.

Cloud computing is not just for organizations and businesses; it's also useful for the average person as well.

It enables us to run software programs without installing them on our computers; it enables us to store and access our multimedia content via the internet, it enables us to develop and test programs without necessarily having servers and so on.

Hadoop is an open source platform that provides excellent data management provision. It is a framework that supports the processing of large data sets in a distributed computing environment.

It is designed to expand from single servers to thousands of machines, each providing computation and storage.

Its distributed file system facilitates rapid data transfer rates among nodes and allows the system to continue operating uninterrupted in case of a node failure, which minimizes the risk of catastrophic system failure, even if a significant number of nodes become out of action.

COORDINATOR

Copy to:

1. Department Notice Board
2. Principal for Information
3. Committee Members (Academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

MAHAVEER

INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, Affiliated to JNTUH,Hyd

Course :Multi rotor Drone Pilot Course

Report summary

A multirotor or multicopter is a rotorcraft with more than two lift-generating rotors. An advantage of multirotor aircraft is the simpler rotor mechanics required for flight control. Unlike single- and double-rotor helicopters which use complex variable pitch rotors whose pitch varies as the blade rotates for flight stability and control, multirotors often use fixed-pitch blades; control of vehicle motion is achieved by varying the relative speed of each rotor to change the thrust and torque produced by each.

There are four main physical types of professional drones: multi-rotor, fixed-wing, single-rotor helicopter, and fixed-wing hybrid VTOL. The different body styles of each type of drone contribute to the amount of weight they can carry (payload), efficiency and duration of the flight.

HOD

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd. 500 005

MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Approved by AICTE, Affiliated to JNTUH,Hyd.

DEPARTMENT OF HUMANITIES AND SCIENCES

SUMMARY REPORT OF CERTIFICATE COURSE ON ATOMIC STRUCTURE

Atoms consist of protons and neutrons in the nucleus, surrounded by electrons that reside in orbitals. Orbitals are classified according to the four quantum numbers that represent any one particular orbital's energy, shape, orientation, and the spin of the occupying electron. The first section of this SparkNote on Atomic Structure will focus on the electron and the mechanism of describing electrons and their orbitals.As we shall see in the second section, electrons fill up orbitals in a systematic fashion, following the rules of the Aufbau principle. The configuration of electrons in an atom play a vital role in chemistry. Virtually every chemical process relies on the interactions of electrons between atoms, most particularly on the tendency of atoms to follow the octet rule, the tendency to gain a full valence shell electrons. In the second section of this SparkNote, we will discuss the properties of electrons, distinguishing between valence electrons and inner electrons, then broadening the discussion into an examination of the properties of electron conifgurations.

COPY TO:
1.Department notice board.
2.Principal for information
3.committee members (academic)

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.