



ESWAR COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi & Affiliated to JNTUK Kakinada, Kakinada, AP
Kesanupalli (V), Narasaraopet - 522549. www.eswarcollegeofengg.org

+91 98855 78652

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Email: eswarcollegeofengg@gmail.com

Website: www.eswarcollegeofengg.org



Academic Year: 2021-2022

Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, and NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

S.No	Name of the Course	Year of offering	Duration of Course	Number of students enrolled in the year	Number of Students completing the course in the year
1.	Web Application Development Using With Microsoft Asp.NET	IV B.Tech I Sem CSE	20-09-2021 To 25-09-2021	58	58
2	Consumer Electronics	IV B.Tech I Sem EEE	13-09-2021 To 18-09-2021	12	12
3	Image Processing	III B.TECH II Sem CSE	14-02-2022 To 19-02-2022	59	59
4	Soft skill and professional enhancement	IV B.Tech II Sem AME	03-01-2022 To 08-01-2022	19	19
5	Life skills	I MBA and II MBA	13-09-2021 To 18-09-2021	38	38
6	Internet of things	II B.Tech I Sem ME	22-11-2021 To 27-11-2021	19	19
7	Solid Works	IV B.Tech I Sem ME	08-11-2021 To 13-11-2021	35	35

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ESWAR COLLEGE OF ENGINEERING
Chilakaluripet Road,
Kesanupalli (V), NARASARAOPET (ME)
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Kesanupalli (V), Narasaraopet – 522549, A.P.





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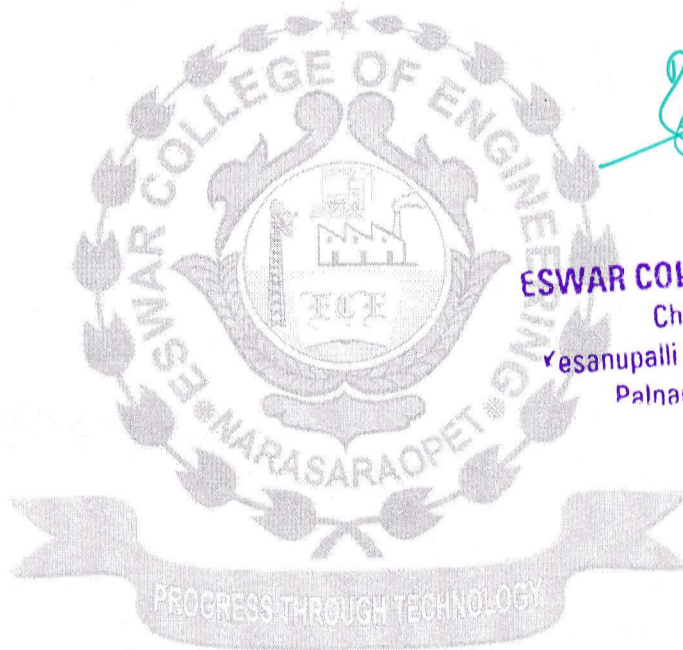


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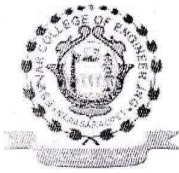
8	"Millimetre-Wave Technology"	IV B.Tech I Sem ECE A & B	20-09-2021 To 25-09-2021	94	94
9	CMOS Analog VLSI Design	IV B.Tech I Sem ECE A & B	21-03-22 To 26-03-22	94	94
10	Java Programming	III B.TECH II Sem AME	03-01-2022 To 08-01-2022	8	8



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ESWAR COLLEGE OF ENGINEERING: NARASARAOPET

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Phone No. 9121214708

Email ID: principal@eswarcollegeofengg.org, eswarcollegeofengg@gmail.com
web:eswarcollegeofengg.org

Department of Computer Science and Engineering

To
The Principal
Eswar College of Engineering
Narasaraopet

15/09/21

Through HOD-CSE

From
Mr. V. V. Chari
Assistant Professor
Faculty Coordinator

Sub: Requesting for permission to conduct a value-added course on "WEB APPLICATION DEVELOPMENT USING MICROSOFT Asp.NET" from 20-09-2021 to 25-09-2021.

Dear Sir,

The Department of CSE is planning to organize a one week value-added course on "WEB APPLICATION DEVELOPMENT USING MICROSOFT Asp.NET" from 20-09-2021 to 25-09-2021.

Total Number of Students registered: 58 No's (IV B.Tech I Sem CSE).

Resource Person: Mr. V. Subba Rao, Dept. of CSE, A.M.Reddy College of Engineering

Certificate Criteria: 60% of marks in Evaluation, 80% of attendance

In connection with the programme, we request your approval to organize the same and to make the programme a grand success.

Thanks and regards,

Name: Mr. V. V. Chari

Signature *V.V. Chari*

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ESWAR COLLEGE OF ENGINEERING
NARASARAOPET-522 601, GUNTUR (DL)

HOD- Comments

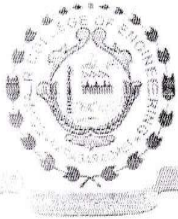
Principal Comments:

please consider & recommend

Approved/ Rejected

[Signature]
15/9/21

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Ph No: +91 99636 34414

Email: eswarcollegeofengg@gmail.com

Website: www.eswarcollegeofengg.org

Date: 16-09-2021

CIRCULAR

All B.Tech IVI CSE students are hereby notified that a value added course titled "WEB DEVELOPMENT USING ASP.NET" will be conducted from 20-09-2021 to 25-09-2021. It is mandatory for all students to enroll their names with course co-ordination Mr.V.V Chari, Assistant Professor, Department of CSE.

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Class Rooms:

232 : *g*

233 : *g*

234 : *g*

235 : *Madhu*





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Department of Computer Science and Engineering

Course Name: Value Added Course on

WEB APPLICATION DEVELOPMENT USING MICROSOFT ASP.NET

Proposed Syllabus

Web Programming Introduction (2L)

Understanding role of Web Server and Web Browser. (1L)

ASP Basics (5L)

Installing IIS on Windows (1L)

ASP.NET Introduction & Controls (8L)

ASP.NET Architecture (3L)

CSS & Themes (2L)

Master Pages (2L)

Overview of User Controls (1L)

Validation Controls (2L)

ASP.NET State Management (1L)

Authentication & Authorization (2L)

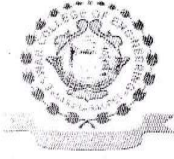
Application Service Providers (2L)

Data bound controls (3L)

Globalization and Localization (1L)

Total Number of Classes: **36 Lectures**

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Department of CSE

Course Name: WEB DEVELOPMENT USING ASP.NET (20-09-21 TO 25-09-21)

YEAR/SEM: IV/I

A.Y : 2021-2022

REGISTRATION FORM SHEET

SNO	HINO	NAME OF STUDENT	SIGNATURE
1	18JE1A0501	PATAN ABBAS	P. Abbas
2	18JE1A0502	SHAIK AFRIN	SK. Afrin
3	18JE1A0503	SHAIK AFRIN NEHA	SK. Afrin neha
4	18JE1A0504	MEKA AMRUTHAVALLI	M. Amruthavalli
5	18JE1A0505	BONTHA ANNAPURNA	B. Annapurna
6	18JE1A0506	GORANTLA ANUSHA	G. Anusha
7	18JE1A0507	TAMIDALA BHAVANA	T. Bhavana
8	18JE1A0508	PARUCHURI BHAVYA MOUNIKA	P. Bhavyamounika
9	18JE1A0510	MANUKONDA DEEKSHITHA	Manukonda Deekshitha
10	18JE1A0511	REDROTHU DEVA DATTA BABU	Redrothu deva datta babu
11	18JE1A0512	MURAHARI DIVYA TEJA	M. Divya Teja
12	18JE1A0513	ANNADASU GANGA MANONMANI	A. Ganga
13	18JE1A0514	SHAIK GHOMARAVALLI KHASIM	SK. Khasim
14	18JE1A0515	SHAIK JASMINE	SK. Jasmine
15	18JE1A0516	SHAIK KAMEELA	SK. Kameela
16	18JE1A0517	KANIKE KIRANMAIEE	K. Kiranmaiee
17	18JE1A0518	KOMARAVALLI LAKSHMI ESWARABHARGAVI	K. Lakshmi Eswarabhargavi
18	18JE1A0519	DEMULA LAKSHMI NARASAMMA	V. Lakshmi Narasamma
19	18JE1A0520	CHINTA LEELAKUMARI	C. Leela Kumari
20	18JE1A0522	MALLIKARJUNA RAO CHIRUMAMILLA	M. Mallikarjuna Rao
21	18JE1A0523	SHAIK MANISHAVALI	Shaik. Manishavali
22	18JE1A0524	SHAIK MOHAMMED SAJID	SK. Mohammed Sajid
23	18JE1A0526	KOMMULA NAGAJYOTHI	K. Nagajyothi
24	18JE1A0527	UPPUMAGULURI NAGARAJA	U. Nagaraja
25	18JE1A0529	CHATTU NAVEEN	C. Naveen
26	18JE1A0530	ANCHULA NAVEEN KUMAR	A. Naveen Kumar
27	18JE1A0531	ANCHULA PAVAN KALYAN	A. Pavan Kalyan
28	18JE1A0532	CHINTALABOYINA PRASANNA	C. Prasananna
29	18JE1A0533	GAYAM PRATHYUSHA	G. PRATHYUSHA
30	18JE1A0534	GARLAPATI PRAVALLIKA ANANTHALAKSHMI	G. Pravallika
31	18JE1A0535	DEMULA RADHIKA	V. Radhika
32	18JE1A0536	ANUPOJU RAJESH	A. Rajesh
33	18JE1A0537	KANAMARLAPUDI RAJYALAKSHMI	K. Rajyalakshmi
34	18JE1A0538	GUDIPUDI RAMADEVI	G. Ramadevi
35	18JE1A0539	SHAIK RAMIJUN	SK. Ramijun
36	18JE1A0540	VASA RAMU	V. Ramu
37	18JE1A0541	RAJA RAVI TEJA	R. Ravi Teja
38	18JE1A0542	GOGULAMUDI REVATHI	G. Revathi
39	18JE1A0543	SILIVERU SASI KUMAR	S. Sasi Kumar
40	18JE1A0544	LAKKIREDDY SESHADRI	L. Seshadri
41	18JE1A0545	SHAIK SHAA NAVAJ MASTAN	S. Navaj Mastan

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42	18JE1A0546	SHAIK SHAFIRA BEGUM	Sk. Begum.
43	18JE1A0547	KOLLI SIVA KOTI REDDY	K. Siva Koti
44	18JE1A0548	GOPUDESU SRI LAKSHMI	G. Sri Lakshmi
45	18JE1A0549	SHAIK SUHANA	Sk. Sulana
46	18JE1A0550	SHAIK SUMAYYA	Sk. Sumayya
47	18JE1A0552	GANUGAPANTA SWAPNA	G. Swapna
48	18JE1A0553	NARENDRA VAMSI KRISHNA	N. Vamsi
49	18JE1A0554	KORATA VENKATA SIVA	K. Venkata Siva
50	18JE1A0555	MANDALANENI VENKATA SUNIL KUMAR	M. Venkata Sunil
51	18JE1A0556	KORABANDI VIJAYA LAKSHMI	K. Vijaya Lakshmi
52	18JE1A0557	KOLLAPUDI VINAY	K. Vinay
53	18JE1A0558	SHAIK YASIN	Sk. Yasin
54	18JE1A0559	MAHAMMAD ZABIHULLA	M. Zabiulla
55	19JE5A0501	ANANTHA BALA SIVA PRASAD	A. Siva Prasad
56	19JE5A0502	ATMAKURI GAYATRI	A. Gayatri
57	19JE5A0503	MANCHALA NAGAJYOTHI	M. Nagajothi
58	16JE1A0508	SHAIK CHAND BASHA	Sk. Chand Basha

V. Chari
COURSE COORDINATOR

[Signature]
HOD

[Signature]
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Department of CSE
Eswar College of Engineering
Anaparthi (V), Narasaraopet-522 549

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Department of Computer Science and Engineering

Course Name: Value Added Course on **WEB APPLICATION DEVELOPMENT USING MICROSOFT ASP.NET.**

Evaluation of the Value-Added Courses

Answer all the Questions Each Question Carry 1 Mark

Total Marks: 20M

H.T.No:

Min Marks: 12 Marks

Name of the Student:

Marks obtained:

- Which of the following is not a valid server-side control in ASP.NET?
a) Button b) Label c) Div d) GridView
- View State is used in ASP.NET for:
a) Storing session data b) **Maintaining state between post backs**
c) Controlling access to web pages d) Validating user input
- What is the file extension for an ASP.NET web page?
a) .aspx b) .html c) .cs d) .php
- Which of the following authentication modes in ASP.NET uses Windows accounts for authentication?
a) Forms Authentication b) Passport Authentication
c) **Windows Authentication** d) None of the above
- In ASP.NET, what is used to execute server-side code and render dynamic content?
a) JavaScript b) **Server Controls** c) CSS d) HTML
- Which method is called after the Page's Load event completes in ASP.NET?
a) Init b) Page_PreInit c) **Page_LoadComplete** d) Page_Unload
- What is the default programming language for ASP.NET?
a) Java b) JavaScript c) C# d) VBScript
- Which ASP.NET feature is used for managing application-level events and state?
a) Cookies b) **Application state** c) Session state d) ViewState
- Which ASP.NET control is used for displaying tabular data?
a) ListView b) DataList c) **GridView** d) Repeater
- What does ASP.NET MVC stand for?
a) Microsoft Visual Controller b) **Model View Controller**
c) Active Server Page Model-View-Controller d) ASP.NET Minimal View Controller
- What is the default event for an ASP.NET Button control?
a) Click b) **OnClick** c) Press d) MouseDown

12. Which of the following is NOT a valid state management technique in ASP.NET?
a) Session state b) Application state c) **Cache state** d) ViewState
13. Which of the following is used for handling errors in ASP.NET?
a) Try-Catch blocks b) OnError event c) Application_Error event d) **All of the above**
14. What is the purpose of the Global.asax file in an ASP.NET application?
a) To define global variables b) To define global functions
c) **To handle application-level events** d) To configure routing rules
15. Which of the following is NOT a valid ASP.NET server control?
a) TextBox b) CheckBoxList c) **RadioButtonGroup** d) DropDownList
16. What is the role of the <%@ Page %> directive in an ASP.NET page?
a) To import namespaces b) To specify page language
c) To define page attributes d) **All of the above**
17. Which of the following is NOT a valid HTTP method?
a) GET b) POST c) **DELETE** d) PUT
18. What does MVC stand for in ASP.NET MVC?
a) Microsoft Visual Controller b) Model View Control
c) **Model View Controller** d) Microsoft View Controller
19. Which event is triggered when a user submits a form in ASP.NET?
a) Page_Load b) Page_Init c) **Button_Click** d) Page_PreRender
20. Which ASP.NET control is used to display a pop-up message to the user?
a) MessageBox b) AlertBox c) PopupWindow d) **None of the above**


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web:eswarcollegeofengg.org

Department of Electrical and Electronics Engineering

To
The Principal
Eswar College of Engineering
Narasaraopet

6/09/2021

Through HOD-EEE

From
K. Ashok Kumar
Associate Professor
Faculty Coordinator

Sub: Requesting for permission to conduct a value-added course on **Consumer Electronics**
from 13-09-2021 to 18-09-2021.

Dear Sir,

The Department of EEE is planning to organize a 1week value-added course on **Consumer Electronics** from 13-09-2021 to 18-09-2021.

Total Number of Students registered: 12 No's (IV B. Tech- I Sem EEE).

Resource Person: Sk. Mona, Assistant Professor, Eswar College of Engineering

Certificate Criteria: 60% of marks in Evaluation, 80% of attendance

In connection with the programme, we request your approval to organize the same and to make the programme a grand success.

Thanks and regards,

Name: K. Ashok Kumar

Signature

HOD- Comments

Requesting for Approval

[Signature]
HOD

Department of EEE
Eswar College of Engineering
Kesanupalli (V), Narasaraopet - 522 601

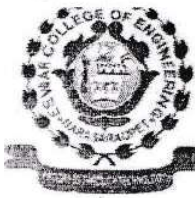
Principal Comments:

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Approved/ Rejected

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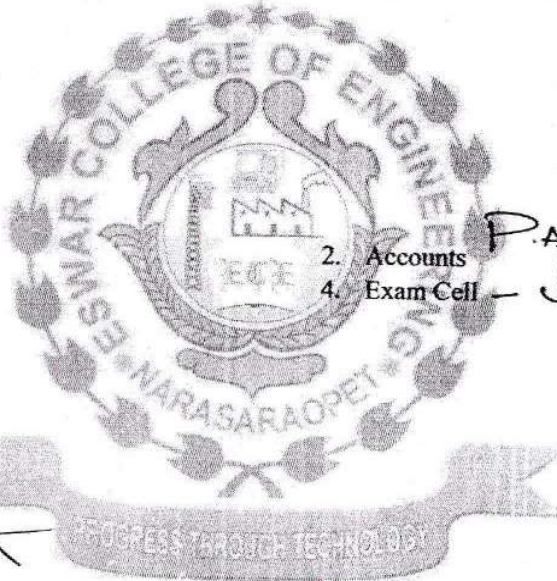
Website: www.eswarcollegeofengg.org



Date: 08-09-2021

CIRCULAR

All B.Tech IV-I EEE are hereby notified that a value added course titled "Consumer Electronics" will be conducted from 13-09-2021 to 18-09-2021. It is mandatory for all students to enroll their names with course co-ordination K. Ashok Kumar, Assistant Professor, Department of EEE



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web:eswarcollegeofengg.org

Department of Electrical and Electronics Engineering

Name: Value Added Course on **Consumer Electronics**

Course Proposed Syllabus

Unit I:

Audio Systems: Microphones and Loudspeakers: Carbon, moving coil, cordless microphone, Direct radiating and horn loudspeaker, Multi-speaker system, Hi-Fi stereo and dolby system. Concept to fidelity, Noise and different types of distortion in audio system

Unit II:

Digital Audio Fundamentals: Audio as Data and Signal, Digital Audio Processes Outlined, Time Compression and Expansion.

Unit III:

Television: Basics of Television: Elements of TV communication system, Scanning and its need. Need of synchronizing and blanking pulses, VSB, Composite Video Signal, Colour Television: Primary, secondary colours, Concept of Mixing, Colour Triangle, Camera tube, PAL TV Receiver, NTSC, PAL, SECAM

Unit IV:

Digital Transmission and Reception: Digital satellite television, Direct-To-Home(DTH) satellite television, Introduction to :Video on demand, CCTV, High Definition(HD)-TV. Introduction to Liquid Crystal and LED Screen Televisions Basic block diagram of LCD and LED Television and their comparison

Unit V:

Introduction to different type of domestic/commercial appliances: Operation of Micro-wave oven, Food Processors, Digital Electronic Lock, Vacuum cleaner, Xerox Machine, Scanner

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Department of Electrical and Electronics Engineering

Registration Form

1 Week Add-On Course on “COSUMER ELECTRONICS”

Dates: 13-09-2021 to 18-09-2021

S.No.	HT.NO	Student Name	Signature
1	18JE1A0201	PATAN AHAMADALISHA	
2	18JE1A0202	MIRIYALA GIRI SAI NARENDRA KUMAR	
3	18JE1A0203	DERANGULA GOPI RAJU	
4	18JE1A0204	MATHANGI PREMKUMAR	
5	18JE1A0205	MUTLURI SURYANARAYANA	
6	18JE1A0206	SHAIK VASU BABU	
7	19JE5A0201	JANDRAJUPALLI ASHOK KUMAR	
8	19JE5A0202	SHAIK JOHN PAD MASTAN VALI	
9	19JE5A0203	RAMKURI THAMOS	
10	19JE5A0204	BOBBADI THARUN	
11	19JE5A0205	SIDDU VENUMADHAVACHARI	
12	19JE5A0206	TANNIRU VIJAY KUMAR	

Course Coordinator

HOD-EEE

HOD
Department of EEE
Eswar College of Engineering
Kesanupalli (V), Narasaraopet-522 549

Principal

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Phone No. 9121214708

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web:eswarcollegeofengg.org

Department of Electrical and Electronics Engineering

Course Name: Value Added Course on Consumer Electronics

Evaluation of the Value-Added Courses

Answer all the Questions Each Question Carry 1 Mark

Total Marks: 20M

Min Marks: 12 Marks

Name of the Student: _____


H.T. No: _____

Marks obtained: _____

1. Which of the following is an example of a consumer electronic device?
 - a) Industrial robot
 - b) MRI machine
 - c) Microwave oven
 - d) CNC machine
2. What does OLED stand for in the context of display technology?
 - a) Organic Liquid Emitting Diode
 - b) Organic Light Emitting Diode
 - c) Optical Liquid Emitting Diode
 - d) Optimal Light Emitting Diode
3. Which component is commonly used as the main processing unit in consumer electronics such as smartphones and tablets?
 - a) Microcontroller
 - b) Microprocessor
 - c) FPGA (Field-Programmable Gate Array)
 - d) DSP (Digital Signal Processor)
4. In which type of consumer electronics device would you commonly find a lithium-ion battery?
 - a) Television
 - b) Vacuum cleaner
 - c) Laptop
 - d) Microwave oven


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NARASARAOPET-522 601

5. Which wireless technology is commonly used for short-range communication between consumer electronic devices?
- a) Bluetooth
 - b) Wi-Fi
 - c) NFC (Near Field Communication)
 - d) LTE (Long-Term Evolution)
6. What is the purpose of a GPU (Graphics Processing Unit) in consumer electronics?
- a) To process audio signals
 - b) To perform cryptographic operations
 - c) To render graphics and images
 - d) To manage network connections
7. Which type of display technology is known for its high contrast ratio and wide viewing angles?
- a) LCD (Liquid Crystal Display)
 - b) LED (Light Emitting Diode) display
 - c) Plasma display
 - d) OLED (Organic Light Emitting Diode) display
8. Which of the following is a common input device used in consumer electronics?
- a) Thermocouple
 - b) Touchscreen
 - c) Accelerometer
 - d) Photo detector
9. What is the purpose of a touchpad in consumer electronics?
- a) To display visual information
 - b) To detect and interpret touch gestures
 - c) To control the temperature of the device
 - d) To amplify audio signals
10. Which component is responsible for converting digital signals into analog signals in consumer electronics?
- a) DAC (Digital-to-Analog Converter)
 - b) ADC (Analog-to-Digital Converter)
 - c) CPU (Central Processing Unit)
 - d) GPU (Graphics Processing Unit)


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11. What does OLED stand for in consumer electronics?
- a) Organic Light Emitting Diode
 - b) Optimized Liquid Crystal Display
 - c) Overhead Light Emitting Device
 - d) Outward Layered Electronic Display
12. Which of the following is not a type of audio connector commonly used in consumer electronics?
- a) HDMI
 - b) AUX
 - c) RCA
 - d) USB
13. What is the purpose of a GPU in consumer electronics?
- a) To process audio signals
 - b) To handle graphics processing
 - c) To regulate power supply
 - d) To connect external devices
14. Which wireless technology is commonly used for short-range communication between consumer electronics devices?
- a) LTE
 - b) Bluetooth
 - c) NFC
 - d) WiMAX
15. Which of the following is not a feature commonly found in smart TVs?
- a) Voice control
 - b) Built-in camera for video calls
 - c) Internet connectivity
 - d) Rotary dial for channel selection
16. Which component of a smartphone is responsible for sensing motion and orientation?
- a) Accelerometer
 - b) Gyroscope
 - c) Magnetometer
 - d) Barometer


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17. What is the primary function of a Digital Signal Processor (DSP) in consumer electronics?

- a) To amplify audio signals
- b) To process digital audio signals
- c) To display high-resolution images
- d) To regulate the power supply

18. Which of the following is a common display resolution for smartphones?

- a) 720p
- b) 1080p
- c) 4K
- d) All of the above

19. What does NFC stand for in consumer electronics?

- a) Near Field Communication
- b) Network Frequency Control
- c) National Firewall Consortium
- d) Narrowband Fidelity Connector

20. Which of the following is not a common type of memory used in consumer electronics?

- a) RAM
- b) SSD
- c) CD-ROM
- d) Flash


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Phone No. 9121214708

Email ID: principal@eswarcollegeofengg.org, eswarcollegeofengg@gmail.com
web:eswarcollegeofengg.org

Department of Computer Science and Engineering

To
The Principal
Eswar College of Engineering
Narasaraopet

3/2/2022

Through HOD-CSE

From
Mr. B. PREM KUMAR
Associate Professor
Faculty Coordinator

Sub: Requesting for permission to conduct a value-added course on **Image Processing** from 14-02-2022 to 19-02-2022.

Dear Sir,

The Department of CSE is planning to organize a one week value-added course on **Image Processing** From 14-02-2022 to 19-02-2022.

Total Number of Students registered: **59 No's** (III B.Tech II Sem CSE).

Registration Fee from each student: -

Resource Person: Shaik Munwar Ali, Associate Professor (ECE),
Eswar college of Engineering, Narasaraopet.

Certificate Criteria: 60% of marks in Evaluation, 80% of attendance

In connection with the programme, we request your approval to organize the same and to make the programme a grand success.

Thanks and regards,

Name: Mr.B.PREM KUMAR,

Signature *B.premk*

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HOD- Comments *please consider* *gto*

Principal Comments: *Recommended*

Approved/ Rejected

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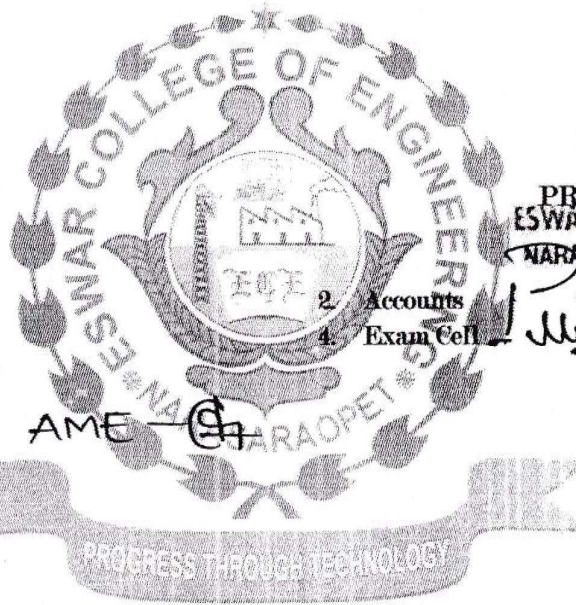
Email: eswarcollegeofengg@gmail.com

Website: www.eswarcollegeofengg.org

Date: 09-02-2022

CIRCULAR

All B.Tech III/II CSE students are hereby notified that a value added course titled "IMAGE PROCESSING" will be conducted from 14-02-2022 to 19-02-2022. It is mandatory for all students to enroll their names with course co-ordination Mr. B. Prem Kumar, Assistant Professor, Department of CSE.



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Class Rooms:

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- 233:
- 234:
- 235:

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web:eswarcollegeofengg.org

Department of Computer Science and Engineering

Course Name: Value Added Course on Image Processing

Proposed Syllabus:-

Introduction about image processing: [4L]

Image Transforms: [4L]

Intensity Transformations and Spatial Filtering:[3L]

Filtering in the Frequency Domain: [3L]

Image Restoration and Reconstruction: [4L]

Image compression: [3L]

Wavelets and Multi resolution Processing: [3L]

Image segmentation: [3L]


Morphological Image Processing: [3L]

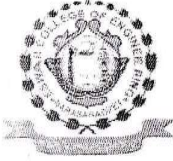
Colour image processing: [6L]

Total Number of Classes: **36 Lectures**

CO Statements

CO's	CO Statements
CO1	Perform image manipulations and different digital image processing techniques.
CO2	Perform basic operations like – Enhancement, segmentation, compression, Image transforms and restoration techniques on image.
CO3	Analyze pseudo and full colour image processing techniques.
CO4	Apply various morphological operators on images.


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web:eswarcollegeofengg.org

Department of CSE

Course Name: IMAGE PROCESSING (14-02-22 TO 19-02-22)

YEAR/SEM: III/II

A.Y : 2021-2022

REGISTRATION FORM SHEET

SNO	HTNO	NAME OF STUDENT	SIGNATURE
1	19JE1A0501	MOHAMMED ANISA ZAHERA	Mohammed Anisa Zahera
2	19JE1A0503	RAMAVATHU ANKARAONAIK	R. Ankaranaik
3	19JE1A0504	SHAIK AREEF	SK. Areef
4	19JE1A0505	GUDURI ASHOK	G. Ashok
5	19JE1A0506	SYED ASIYA	Syed Asiya
6	19JE1A0507	PERAM ASWITHA	P. Aswitha
7	19JE1A0508	BOPPUDI BHANU SATYA PRAVALLIKA	B. Satya
8	19JE1A0509	UPPU CHANDRASEKHAR	U. Chandrasekhar
9	19JE1A0510	SHAIK EMAM SHARIF	Sh. Emam Sharif
10	19JE1A0511	DUPAGUNTLA GOPI JAYA RAMA SUDARSHAN	D. Rama Sudarshan
11	19JE1A0512	PAPPULA GOPI REDDY	P. Gopireddy
12	19JE1A0513	UPPALAPATI GURUCHARAN KUMAR	U. Gurucharan Kumar
13	19JE1A0514	SHAIK HASINA BEGUM	SK. Hasina Begum
14	19JE1A0515	SHAIK ISMAIL	SK. Ismail
15	19JE1A0516	MANIKONDA JASWANTH	M. Jaswanth
16	19JE1A0517	AKKI JAYA PRAKASH REDDY	A. Jayaprakash
17	19JE1A0518	KROSURI KOTESWARA RAO	K. Koteswararao
18	19JE1A0519	KOPURI KOTESWARAMMA	K. Koteswaramma
19	19JE1A0520	DEVI REDDY LAHARI	Devi Reddy Lahari
20	19JE1A0521	BONDILI LAKSHMI KAMALA BAI	B. Lakshmi Kamala Bai
21	19JE1A0522	DEVALLA LAKSHMI NARAYANA	D. Lakshmi Narayana
22	19JE1A0523	POTTHURI LAKSHMI NEERAJ	P. Lakshmi Neeraj
23	19JE1A0524	KONETI LOOSI	K. Loosi
24	19JE1A0525	KUNCHEPU MAHESHBABU	K. Maheshbabu
25	19JE1A0526	MANDALANENI MANIKANTA	M. Manikanta
26	19JE1A0527	KOMMU NAGARJUNA	K. Nagarjuna
27	19JE1A0528	SHAIK NAGUL MASTAN	SK. Nagul Mastan
28	19JE1A0530	MUTLURI NARASIMHA RAO	M. Narasimha Rao
29	19JE1A0531	VEPURI NAVEEN	V. Naveen
30	19JE1A0532	TIRUVAIPATI NAVEEN KUMAR	T. Naveen Kumar
31	19JE1A0533	J PUNITH	J. Punith
32	19JE1A0534	VUPPALA RAGHU RAMA CHARI	V. Raghu Rama Chari
33	19JE1A0536	CHENNUPALLI RAMANJANEYULU	CH. Ramanjeyulu
34	19JE1A0537	SOMU RAMYA	S. Ramya
35	19JE1A0538	PUJARI SAI SWAPNA	P. Sai Swapna
36	19JE1A0539	SHAIK SALMA	SK. Salma
37	19JE1A0540	CHEERABOINA SAMBA SIVA	C. Samba Siva
38	19JE1A0541	SHAIK SAYAF	SK. Sayaf
39	19JE1A0542	GANAPAVARAPU SHAIK SHAMINA	G. Shaik Shamina
40	19JE1A0543	AREPALLI SIREESHA	A. Sireesha
41	19JE1A0544	AAKULA SRAVANI	A. Sravani
42	19JE1A0545	THOTA SRAVANI	T. Sravani

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43	19JE1A0546	BHUKYA SUNIL KUMAR NAIK	S. Sunil Kumar Naik
44	19JE1A0547	BANDARU SUSHMA	B. Sushma
45	19JE1A0548	VIDADALA SUSMITHA	V. Susmitha
46	19JE1A0549	PODILI THAMBI	P. Thambi
47	19JE1A0550	GARNEPUDI THIMOTHY	G. THIMOTHY
48	19JE1A0552	THOTAPALLI UPENDRA	T. Upendra
49	19JE1A0553	VEMULA VAMSHI KRISHNA	V. Vamshi Krishna
50	19JE1A0554	KAMBHAMPATI VAMSI	K. Vamsi
51	19JE1A0555	MEKALA VENKATA GOPI	M. Venkata Gopi
52	19JE1A0556	BAGGI VENKATA NARENDRA	B. Venkata Narendra
53	19JE1A0557	PATHA VENKATA RAMANA	P. VENKATA RAMANA
54	19JE1A0558	EDA VENKATA REDDY	E. Venkata Reddy
55	19JE1A0559	DERANGULA VENKATESWARARAO	D. Venkateswararao
56	19JE1A0560	PERNAPATI VIJAY	P. Vijay
57	19JE1A0561	CHIRATHALA VIJAYALAKSHMI	Chirithalavijayalakshmi
58	19JE1A0562	SHAIK ZAFHAR ALI	Sh. Zafhar Ali
59	20JE5A0501	AMBATI KRISHNAVENI	A. Krishnaveni


COURSE COORDINATOR


HOD


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Department of CSE
Eswar College of Engineering
Kesavanipalli (V), Narasaraopet-522 549

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Department of Computer Science and Engineering

Course Name: Value Added Course on Image Processing

Evaluation of the Value-Added Courses

Answer all the Questions. Each Question Carries 1 Mark

Total Marks: 20M

H.T.No:

Min Marks: 12 Marks

Name of the Student:

Marks obtained:

- Which of the following is not a fundamental step in digital image processing? []
a) Image acquisition b) Image transformation
c) Image enhancement d) **Image classification**
- What is the process of converting continuous image data into a digital format called? []
a) **Image acquisition** b) Image sampling
c) Image quantization d) Image transformation
- Which property of the 2-D Discrete Fourier transform is utilized in image compression techniques such as JPEG? []
a) Magnitude b) **Phase** c) Frequency d) Amplitude
- Which transform is known for its ability to efficiently represent images with sharp edges? []
a) Discrete cosine transform b) Slant transform
c) **Haar transform** d) Walsh transform
- Which transform is often used in image compression and is the basis for the JPEG standard? [*]
a) **Discrete cosine transform** b) Radon transform
c) Hadamard transform d) Slant transform
- Which transform is used for feature extraction and pattern recognition in medical imaging? []
a) **Radon transform** b) Walsh transform c) KL transform d) SVD
- What does intensity transformation involve in image processing? []
a) Changing the spatial dimensions of the image
b) **Adjusting the brightness and contrast of the image**
c) Rotating the image by a certain angle
d) Scaling the image to a different size
- Which of the following is a basic intensity transformation function used to enhance the contrast of an image? []
a) Thresholding b) **Power-law transformation**
c) Histogram equalization d) Median filtering
- Histogram processing in image processing involves: []
a) **Adjusting the histogram of an image to enhance its contrast**
b) Converting a color image to a gray scale image
c) Changing the size of the image
d) Rotating the image by a certain angle

10. What is the purpose of spatial filtering in image processing? []
 a) To adjust the brightness of an image
 b) To change the size of the image
c) To enhance or blur image details based on the spatial neighbourhood
 d) To convert the image to a different color space
11. Which of the following is an example of a smoothing spatial filter? []
 a) Sobel filter b) Laplacian filter **c) Gaussian filter** d) Prewitt filter
12. What is the purpose of selective filtering in image processing? []
 a) To enhance the contrast of the entire image
b) To apply different filters to different regions of the image
 c) To convert the image to a different color space
 d) To rotate the image by a certain angle
13. What is the purpose of image restoration in image processing? []
 a) To degrade the quality of the image
b) To enhance the image by reducing noise and artifacts
 c) To convert the image to a different color space
 d) To segment the image into meaningful regions
14. Which of the following is a common model of the image degradation and restoration process? []
 a) Fourier transform b) Laplace transform
c) Point spread function (PSF) d) Histogram equalization
15. Restoration in the presence of noise only involves which technique? []
a) Spatial filtering b) Frequency domain filtering
 c) Edge detection d) Thresholding
16. Which method is used for periodic noise reduction by frequency domain filtering? []
 a) Median filtering b) Gaussian filtering
 c) Butterworth filtering **d) Notch filtering**
17. In image compression, which method is based on entropy encoding? []
a) Huffman coding b) Run-Length coding
 c) Block Transform coding d) Predictive coding
18. What is the purpose of wavelets in image processing? []
 a) To convert the image to a frequency representation
 b) To segment the image into meaningful regions
c) To analyze the image at multiple resolutions
 d) To remove noise from the image
19. Which of the following is a technique used for image segmentation based on intensity differences? []
 a) Point detection b) Edge detection **c) Thresholding** d) Region growing
20. Which morphological operation is used for removing small objects and holes in an image? []
 a) Erosion b) Dilation **c) Opening** d) Closing





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web:eswarcollegeofengg.org

Department of Automobile Engineering

29/12/2021

To
The Principal
Eswar College of Engineering
Narasaraopet

Through HOD-AME

From
E.Pullarao
Assistant Professor
Faculty Coordinator

Sub: Requesting for permission to conduct a value-added course on **Soft skill and professional enhancement** from **3/01/22 to 8/01/22**

Dear Sir,

The Department of Automobile Engineering is planning to organize a 1-week value-added course on **Soft skill and professional enhancement** from **3/01/22 to 8/01/22**

Total Number of Students registered: 19 No's (IV B.Tech II Sem).

Resource Person: R.V.Durgarao S&H Department, Eswar College of Engineering

Certificate Criteria: 60% of marks in Evaluation, 80% of attendance

In connection with the programme, we request your approval to organize the same and to make the programme a grand success.


Thanks, and regards,

Name: E.Pullarao


Signature

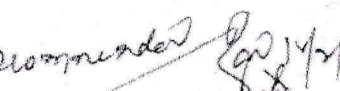

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HOD- Comments

Please consider — 

Principal Comments:

Approved/ Rejected


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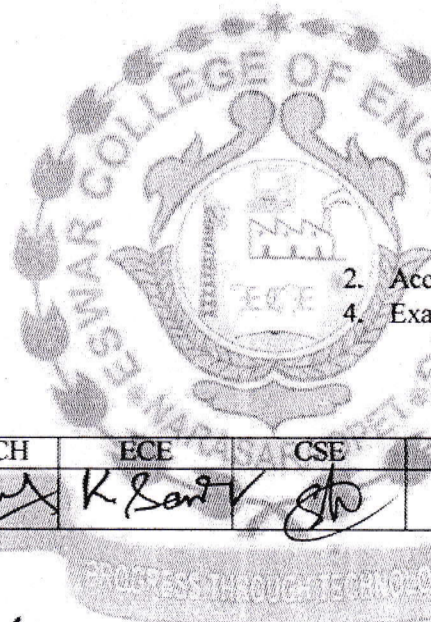
Email: eswarcollegeofengg@gmail.com
Website: www.eswarcollegeofengg.org



Date: 28-12-2021

CIRCULAR

All B. Tech IV-II AME students are hereby notified that a value-added course titled "SOFT SKILL AND PROFESSIONAL ENHANCEMENT" will be conducted from 03-01-2022 to 08-01-2022. It is mandatory for all students to enroll their names with course coordinator E.PULLARAO, Assistant Professor, AME



[Signature]
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HODs:

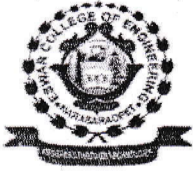
CIVIL	EEE	MECH	ECE	CSE	AME	S&H
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

- IV AME CLASS ROOM - *[Signature]*
- III AME CLASS ROOM - *[Signature]*
- II AME CLASS ROOM - *[Signature]*

[Signature]

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Phone No. 9121214708

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web:eswarcollegeofengg.org

Department of Automobile Engineering

Course Name: Value Added Course on Soft skill and professional enhancement

Proposed Syllabus

- Enhancing soft skills and personality (6L)
- Effective communication, active listening(9L)
- Verbal and non-verbal cues(8L)
- Humor in communication(13L)

CO Statements

CO's	CO Statements
CO1	Understand the anger management and positive thinking
CO2	Understand the ethics and etiquette

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Department of AME

Course Name: SOFT SKILL & PROFESSIONAL ENHANCEMENT


(03/01/2022 TO 08/01/2022)


YEAR/SEM: IV/II

A.Y : 2021-2022

REGISTRATION FORM

SNO	HTNO	NAME OF STUDENT	SIGNATURE
1	18JE1A2401	BANDI ASHOK SIVA SAI REDDY	B. Ashok Siva Sai Reddy
2	18JE1A2402	GALI CHETAN	G. Chethan
3	18JE1A2403	ULLAM GOPI SRINIVAS	U. Gopisrinivas
4	18JE1A2405	SHAIK JIYA UDDIN	Sk. Jiyuddin
5	18JE1A2406	GOGIREDDY LINGA REDDY	G. Linga Reddy
6	18JE1A2407	NARADASU MAHESH BABU	D. Mahesh Babu
7	18JE1A2408	SAKILI NAGARJUNAREDDY	S. Nagarjun Reddy
8	18JE1A2409	KAMPASATI PERAIAH	K. Peraiiah
9	18JE1A2410	SHAIK SADDAM HUSSAIN	Sk. Saddam
10	18JE1A2411	SHAIK SADIK ELLAHI	Sk. Sadik
11	18JE1A2412	MELAM SAI PHANEENDRA BHUPATHI	M. Saibhupathi
12	18JE1A2413	MARPU SRIRAJ	M. Sri Raj
13	18JE1A2414	KAMEPALLI SURI BABU	K. Suri Babu
14	18JE1A2415	NALAMALA YEHOSHUVA	N. Yehoshuva
15	19JE5A2401	SOMISETTY BHARAT KOMAL PRASANTH	S. Bharat Komal Prasanth
16	19JE5A2402	DUDEKULA RASOOL	D. Rasool
17	19JE5A2403	VELAGALATE VENKATA NAGA KONDALA RAO	V. Venkataraga Kondala Rao
18	19JE5A2404	DEVINENI RAJESH	D. Rajesh
19	17JE1A2404	P. AVINASH	P. Avinash


COURSE COORDINATOR


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HOD

HOD

Department of AME

Eswar College of Engineering

Kesanupalli (V), Narasaraopet-522 549


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Phone No. 9121214708

Email ID: principal@eswarcollegeofengg.org, eswarcollegeofengg@gmail.com
web: eswarcollegeofengg.org

Department of AME

Course Name: Value Added Course on Soft skill and professional enhancement.

Evaluation of the Value-Added Courses

Answer all the Questions Each Question Carry 1 Mark

Total Marks: 20M


Min Marks: 12 Marks

Name of the Student	H.T. No:	Marks obtained:
1. What are soft skills?		()
a) Specific technical abilities related to a particular job		
b) Non-technical interpersonal and personal attributes		
c) Computer programming skills		
d) Academic qualifications and degrees		
2. Which of the following is an example of a soft skill?		()
a) Coding in Python		
b) Problem-solving		
c) Operating heavy machinery		
d) Data analysis		
3. Why are soft skills important in the workplace?		()
a) They are not essential for career success.		
b) They contribute to a positive work environment and enhance teamwork.		
c) Soft skills are only relevant for leadership positions.		
d) Soft skills are not transferable to different job roles.		
4. Which soft skill refers to the ability to convey information effectively and listen actively to others?		()
a) Creativity		
b) Emotional intelligence		
c) Communication		
d) Time management		
5. What is emotional intelligence?		()
a) The ability to understand and manage one's emotions and empathize with others		
b) The capability to learn programming languages quickly		
c) The skill of managing time effectively		
d) The aptitude to work well in a team environment		


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6. How do soft skills differ from hard skills? ()
a) Soft skills are specific and measurable abilities, while hard skills are transferable.
b) Soft skills are technical, while hard skills are Z
c) Soft skills are not essential in the workplace.
d) Soft skills and hard skills are synonymous terms.
7. Which soft skill involves the capability to adjust to changing circumstances and embrace new challenges? ()
a) Emotional intelligence
b) Adaptability
c) Leadership
d) Conflict resolution
8. Why are employers seeking candidates with strong soft skills? ()
a) Soft skills are irrelevant in the workplace.
b) Soft skills contribute to a negative work environment.
c) Soft skills enhance teamwork and productivity.
d) Soft skills are only needed in creative fields.
9. What soft skill involves the capacity to influence and guide others toward shared goals? ()
a) Communication
b) Adaptability
c) Leadership
d) Decision making
10. Which soft skill is crucial for effectively managing and resolving disagreements or disputes? ()
a) Time management
b) Creativity
c) Conflict resolution
d) Emotional intelligence
11. What is the significance of time management as a soft skill? ()
a) Time management leads to inefficiency and missed deadlines.
b) Time management has no impact on productivity.
c) Time management allows individuals to prioritize tasks and meet deadlines effectively.
d) Time management is irrelevant in the workplace.
12. How can soft skills contribute to personal relationships? ()
a) Soft skills limit effective communication and understanding.
b) Soft skills avoid empathy and emotional connection.
c) Soft skills foster effective communication, empathy, and mutual understanding.
d) Soft skills are not applicable in personal relationship

13. Why is adaptability important in today's fast-paced work environment? ()
a) Adaptability limits creativity and innovation.


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- b) Adaptability avoids change and challenges.
c) Adaptability allows individuals to adjust to evolving circumstances and remain effective.
d) Adaptability is only relevant for leadership positions
14. How can individuals develop their soft skills? ()
a) Soft skills cannot be developed or improved.
b) Soft skills are innate and cannot be refined.
c) Soft skills can be developed through training, practice, and real-life experiences.
d) Soft skills are irrelevant in personal development.
15. What soft skill involves the capability to think innovatively and generate original ideas and solutions? ()
a) Creativity
b) Decision making
c) Collaboration
d) Conflict resolution
16. How can soft skills benefit employees in customer-facing roles? ()
a) Soft skills are not relevant for customer interactions.
b) Soft skills enhance effective communication and build rapport with customers.
c) Soft skills lead to conflicts and challenges with customers.
d) Soft skills are not transferable to customer service roles.
17. What is the role of collaboration as a soft skill? ()
a) Collaboration limits effective teamwork and productivity.
b) Collaboration fosters the generation of multiple ideas and perspectives.
c) Collaboration avoids communication and interaction with others.
d) Collaboration has no impact on the work environment.
18. How does emotional intelligence impact interpersonal relationships? ()
a) Emotional intelligence leads to a lack of understanding of one's emotions and others'.
b) Emotional intelligence fosters empathy, understanding, and effective communication with others.
c) Emotional intelligence limits the development of soft skills.
d) Emotional intelligence is irrelevant in interpersonal interactions
19. What soft skill involves the skill of making informed and effective decisions based on available information? ()
a) Communication
b) Creativity
c) Decision making
d) Conflict resolution
20. How can creative thinking benefit problem-solving? ()
a) Creative thinking leads to avoiding problem-solving and challenges.
b) Creative thinking has no impact on problem-solving.
c) Creative thinking fosters innovative and effective solutions to problems.
d) Creative thinking is irrelevant in problem-solving.


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web:eswarcollegeofengg.org

Department of Management Studies

27-08-2021

To
The Principal
Eswar College of Engineering
Narasaraopet

Through HOD-MBA

From
S. SALEEM BASHA
Assistant Professor
Faculty Coordinator

Sub: Requesting for permission to conduct a value-added course on **LIFE SKILLS**
from 13-09-2021 to 18-09-2021

Dear Sir,

The Department of MBA is planning to organize a 1 week value-added course on **LIFESKILLS** from 13-09-2021 to 18-09-2021.

Total Number of Students registered: Total 38 from (1st and 2nd MBA)

Resource Person :Dr.M.S. NARAYANA. KLU

Certificate Criteria :60% of marks in Evaluation, 80% of attendance

In connection with the programme, we request your approval to organize the same and to make the programme a grand success.

Thanks and regards,

Name: S. SALEEM BASHA

Signature

HOD- Comments — please consider

Principal Comments:

Approved/ Rejected

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Kesanupalli (V), NARASARAOPET (MD)
Palnadu Dist A.P 522 549

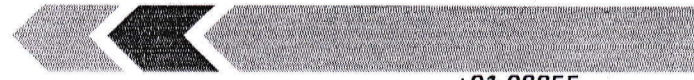


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mail: eswarcollegeofengg@gmail.com



+91 98855



Website: www.eswarcollegeofengg.org

Date: 01-09-2021

CIRCULAR

All MBA 1st & 2nd year students are here by notified that a value added course titled "LIFE SKILLS" will be conducted from 13-09-2021 TO 18-09-2021. It is mandatory for all students to enroll their names with course co-ordination S. SALEEM BASHA, Assistant Professor, Department of MBA.

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 4. Exam Cell

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 Sanupalli (V), NARASARAOPET (MD)
 Nainadu Dist A P 522 549

Class Rooms: MBA 1st year - *[Signature]*
 MBA 2nd year - *[Signature]*



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<p align="center">web:eswarcollegeofengg.org</p>	

Department of Management Studies

Course Name: Value Added Course on LIFE SKILLS

Proposed Syllabus

Self-Development Skills

20Hrs


- Introduction to Personality
- Self-Esteem and Self-Confidence
- Thinking and Problem Solving Skills
- Stress Management
- SWOT Analysis and Goal-Setting
- Trouble shooting analysis
- Time management skills
- Creative thinking
- How to face market challenges
- What are the personal life strategies

Interpersonal Skills

10Hrs

- Hard Skills and Soft Skills
- Effective Communication
- Skills for successful interview
- Leadership
- Social Empathy

Total Number of Classes: 30 Lectures


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Department of MBA

Course Name: LIFE SKILLS

(13-09-2021 TO 18-09-2021)

YEAR/SEM: I/I & II/I


A.Y. 2021- 2022

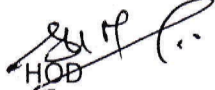
REGISTRATION FORM


S.NO	H.NO	NAME OF THE STUDENT	SIGNATURE
1	20JE1E0025	BOGIRI. NIHARIKA	B. niharika
2	20JE1E0026	N. NIREEKSHAN BABU	N. BABU
3	20JE1E0027	SHAIK. NISAR	Shaiq
4	20JE1E0028	VUCHULA. PAUL THIMOTHY	V. Paul Timothy
5	20JE1E0029	IMANDI. PRAVEEN KRISHNA	Praveen Krishna
5	20JE1E0030	MARELLA. PRIYANKA	Priyanka
7	20JE1E0031	ADDANKI. RAJA GOPAL	Raja gopal
3	20JE1E0032	MANAM. RAJESWARI	manam Rajeswari
9	20JE1E0033	BATTA. RAVI TEJA	Ravi Teja
10	20JE1E0034	YAKKANTI. ROSI REDDY	Sai Krishna
11	20JE1E0035	NOOKALA.SAI TEJA	Sai Teja
12	20JE1E0040	NANDIGAM.THIRUPATHI RAO	Thirupathi Rao
13	20JE1E0041	SK.USMAN	Sk. Usman
14	20JE1E0042	SK.VASEEM AKRAM	Sk. Vaseem Akram
15	20JE1E0043	Y. SAMBIAHA	Sambiahah
16	20JE1E0044	POTHURALA. VENKATESWARLU	P. VENKATE SWARLU
17	20JE1E0045	KORITALA. YAMINI	K. Yamini
18	20JE1E0046	K. YASHODA LAKSHMI	K. Yashoda Lakshmi
19	21JE1E0008	POPURI CHINNA BABU	K. Yashoda Lakshmi
20	21JE1E0009	K.GANESH MANIKANTA	K. Ganesh manikanta
21	21JE1E0010	VALEPU GOPINADH	V. Gopinadh
22	21JE1E0011	MUKIRI HEMALATHA	M. Hemalatha


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23	21JE1E0012	SHAIK JAFAR SADIK	Sk. Jafar Sadik
24	21JE1E0013	KAVALA JYOTHI	K. Jyothi
25	21JE1E0014	PATHAN KARISHMA	Pathan Karishma
26	21JE1E0015	PEDDAPALLI KEERTHI	P. Keerthi
27	21JE1E0016	KARASALA KHASIM SAIDA	Karasala Khasim Saida
28	21JE1E0017	GAJULA LAKSHMI NARAYANA	G. Lakshmi Narayana
29	21JE1E0018	SHAIK MAHAMMAD MUJIFALI	Shaik - Mohammad Mujifali
30	21JE1E0019	THUBATI MAHATHY	T. Mahathy
31	21JE1E0020	SHAIK MEERA SHAHID	Shaik. meera Shahid
32	21JE1E0021	SHAIK MOHAMMAD AFZAL	Shaik. mohammad Afzal
33	21JE1E0056	KANDE RAMESH	K. RAMESH
34	21JE1E0057	BOMMISSETTI RAMYA	B. RAMYA
35	21JE1E0058	VASUPALLI MANIKANTA REDDY	V. Manikanta Reddy
36	21JE1E0059	TIYYAGURA JEEVAN REDDY	JEEVAN Reddy
37	21JE1E0061	SHAIK SILAR MOHAMMAD KHAJA	Sk Silas Mohammad Khaja
38	21JE1E0062	SANKULA BHARGHAVA VENU	S. Bhargava Venu


COURSE COORDINATOR


HOD
HOD
Department of MBA
Eswar College of Engineering
Kesanupalli (V), Narasaraopet-522 549


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web: eswarcollegeofengg.org

Department of Management Studies

Course Name: value-added course on LIFE SKILLS

Evaluation of the Value-Added Courses

Answer all the Questions Each Question Carry 1 Mark

Total Marks: 20M

Min Marks: 12 Marks

Name of the Student

H.T. No:

Marks obtained:

1. The process of involving yourself and influencing others towards the accomplishment of goals is called

- A. Leadership
- B. Dictatorship
- C. Sportsmanship
- D. Autocracy

2. Leaders use _____ to create a sustainable competitive advantage for their organization.

- A. Ineffective strategy
- B. Effective strategy
- C. Papers
- D. Media

3. Quality leaders focus on _____ rather than maintenance.

- A. Continuous improvement
- B. Discontinuous improvement
- C. Static improvement
- D. Attractive

4. A leader must have _____ qualities in him.

- A. Decency
- B. Sense of humor
- C. Justice
- D. All of the above

5. Which of the following is false regarding quality leaders promoting teamwork?

- A. Multidisciplinary teamwork
- B. Create involvement
- C. Active participation of everyone
- D. Discourage involvement

6. Quality leaders encourage _____ over _____ when we consider functions of various departments in a company.

- A. Collaboration, Competition
- B. Competition, collaboration
- C. Competition, threat
- D. Threat, collaboration

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7. According to our late field marshal Sam Manekshaw which is the most basic quality should be in the leader?
- A. Professional knowledge
 - B. Arrogance
 - C. Unconfident
 - D. decency
8. Which of the following is false regarding the supplier and quality leader relationship?
- A. Support them when needed. Audit their capabilities
 - B. Recognize quality improvements made by suppliers
 - C. Encourage joint improvement action
 - D. Scold them if there is lack of quality
9. Quality Leaders _____ people rather than directing and supervising them.
- A. Train and coach
 - B. Scold
 - C. Threaten
 - D. Fire
10. Which of the false regarding quality leaders reviewing organizational performance?
- A. They review organizational performance but not their own
 - B. They review organizational performance and also their own
 - C. They don't review organizational performance as
 - D. They don't review organizational philosophy
11. Leadership is best defined as ____.
- A. the ability to merely project one's abilities in the lack of actual accomplishments
 - B. the ability to reduce the dependence of team members on each other
 - C. the ability to induce the team members to focus on individual goals rather than collective goals
 - D. the ability to influence any aim or goal
12. Which of the following statements regarding leadership is true?
- A. All managers are
 - B. Formal rights ensure good leadership.
 - C. A formal appointment is essential in creating leaders.
 - D. Non-sanctioned formal leadership
13. Which of the following is a desirable feature of leadership?
- A. One-directional influence from the leader to the follower
 - B. Coercive power and authority
 - C. Lack of freedom
 - D. Coexistence of leaders and managers
14. Trait theories of leadership focus on ____
- A. the special relationship that leaders establish with a small group
 - B. the personal qualities and characteristics that differentiate
 - C. the way the leader makes decisions
 - D. none of these
15. Trait theories most accurately predict ____
- A. distinguishing features of an effective leader
 - B. differences between an effective and an ineffective leader
 - C. the success of a leader


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D. the emergence of a leader

16. Contingency theories focus on the ____ that impact leadership success.

- A. personality variable
- B. Leader's abilities to inspire and transform followers
- C. Situational variable
- D. values and ethics

17. Which of the following theories of leadership is based on situational variables?

- A. Attribution theory
- B. Trait theories
- C. Charismatic leadership theory
- D. Path-goal theory

18. According to the situational leadership theory, if employees are unwilling and unable, the appropriate leadership style in this situation would be

- A. Participative
- B. Democratic
- C. Person-oriented
- D. Directive

19. What is the key difference between managers and leaders?

- A. Managers focus on tasks, while leaders focus on people
- B. Managers are born, while leaders are made
- C. Managers have formal authority, while leaders have informal authority
- D. Managers work alone

20. Which one is not the quality of a Leader?

- A. Activeness
- B. Alertness
- C. Dullness
- D. Confidence


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Phone No. 9121214708

Email ID: principal@eswarcollegeofengg.org, eswarcollegeofengg@gmail.com
web:eswarcollegeofengg.org

Department of Mechanical Engineering

date: 29-10-21.

To
The Principal
Eswar College of Engineering
Narasaraopet

Through HOD-ME

From
Sk.C.M.Subhani
Assistant Professor
Faculty Coordinator

Sub: Requesting for permission to conduct a value-added course on **Internet of Things** from **22-11-2021 to 27-11-2021**.

Dear Sir,

The Department of ME is planning to organize a 1 week value-added course on **Internet of Things** from **22-11-2021 to 27-11-2021**.

Total Number of Students registered: **19 No's** (II B.Tech I Sem ME).

Resource Person: **D.Rekha.**

Certificate Criteria: 60% of marks in Evaluation, 80% of attendance

In connection with the programme, we request your approval to organize the same and to make the programme a grand success.

Thanks and regards,

Name: Sk.C.M.Subhani

Signature

HOD- Comments

Requesting for Recommended

Principal Comments:

Approved/ Rejected

Recommended
[Signature]
29/10/21

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+91 99636 34414



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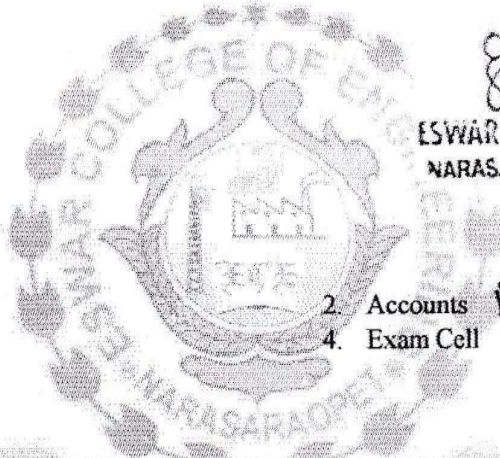
Website: www.eswarcollegeofengg.org



Date: 01-11-2021

CIRCULAR

All B.Tech **III-I Mechanical** students are hereby notified that a value added course titled "**Internet of things**" will be conducted from **22-11-2021 to 27-11-2021**. It is mandatory for all students to enroll their names with course co-ordination SK C. M. Subhani, Assistant Professor, Department of Mechanical Engineering.



[Signature]
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236 - S.H

235 - *[Signature]*

211 - *[Signature]*

237 - *[Signature]*

228 - Rahul

212 - *[Signature]*

234 - S

203 - Parthiban

215 - *[Signature]*

[Signature]
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Phone No. 9121214708

Email ID: principal@eswarcollegeofengg.org, eswarcollegeofengg@gmail.com
web:eswarcollegeofengg.org

Department of Mechanical Engineering

Course Name: Value Added Course on Internet of Things

Proposed Syllabus

- Introduction to IoT: Part I, Part II, Sensing, Actuation, Basics of Networking: Part-I
- Basics of Networking: Part-II, Part III, Part IV, Communication Protocols: Part I, Part II
- Communication Protocols: Part III, Part IV, Part V, Sensor Networks: Part I, Part II
- Sensor Networks: Part III, Part IV, Part V, Part VI, Machine-to-Machine Communications
- Interoperability in IoT, Introduction to Arduino Programming: Part I, Part II, Integration of Sensors and Actuators with Arduino: Part I, Part II
- Introduction to Python programming, Introduction to Raspberry Pi, Implementation of IoT with Raspberry Pi
- Implementation of IoT with Raspberry Pi (contd), Introduction to SDN, SDN for IoT
- SDN for IoT (contd), Data Handling and Analytics, Cloud Computing
- Cloud Computing(contd), Sensor-Cloud
- Fog Computing, Smart Cities and Smart Homes
- Connected Vehicles, Smart Grid, Industrial IoT
- Industrial IoT (contd), Case Study: Agriculture, Healthcare, Activity Monitoring

CO Statements

CO's	CO Statements
CO1	Able to understand the application areas of IOT
CO2	Able to realize the revolution of Internet in Mobile Devices, Cloud & Sensor Networks
CO3	Able to understand building blocks of Internet of Things and characteristics.

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web:eswarcollegeofengg.org

Department of MECHANICAL

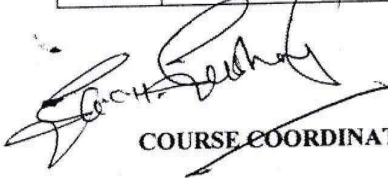
Course Name: **INTERNET OF THINGS** (22-11-21 to 27-11-21)


YEAR/SEM: III/I

A.Y : 2021-2022


REGISTRATION FORM

SNO	HTNO	NAME OF STUDENT	SIGNATURE
1	19JE1A0301	YASARAPU ANIL	Y. Anil
2	19JE1A0302	DEVARAPU GANESH	D. Ganesh
3	19JE1A0303	VEMULA GOPALAKRISHNA	V. Gopal
4	19JE1A0304	SHAIK MAHABOOB SUBHANI	Sk. Mahabob Subhani
5	19JE1A0305	ANAPARTHI MARIYA BABU	A. Mariya babu
6	19JE1A0307	SUREPALLI PRASANTH	S. Prasanth
7	19JE1A0308	KASIMALA RAJKUMAR	K. Rajkumar
8	19JE1A0309	POTHULA SURESH	P. Suresh
9	19JE1A0310	RAMAVATH VAGYANAİK	R. Vagyanaik
10	19JE1A0311	JADA VAMSI	J. Vamsi
11	19JE1A0312	PODILI VENKATA VEERA VASU	P. VASU
12	20JE5A0301	DAMMALAPATIMAHENDRABABU	D. Mahesh babu
13	20JE5A0302	KOMMATHOTIMANINDRABABU	K. manidrababu
14	20JE5A0303	RANGU MOHAN	R. Mohan
15	20JE5A0304	SHAIK MOHAMMAD HANEEF	Sk. m. haneef
16	20JE5A0305	SINGUSRINIVAS	S. Srinivas
17	20JE5A0306	YARRAMSYAM KUMAR	y. kumar
18	20JE5A0307	BHAVANAM VEERAPRATHAP REDDY	B. veerapathap reddy
19	17JE1A0326	PULAHARI VENKAT NARASIMHA	P. V. Narasu


COURSE COORDINATOR


HOD

Department of ME
Eswar College of Engineering
Kesanupalli (V), Narasaraopet-522 545


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Phone No. 9121214708

Email ID: principal@eswarcollegeofengg.org, eswarcollegeofengg@gmail.com
web:eswarcollegeofengg.org

Department of Mechanical Engineering

Course Name: Value Added Course on IOT

Evaluation of the Value-Added Courses

Answer all the Questions Each Question Carry 1 Mark

Total Marks: 20M

Min Marks: 12 Marks

Name of the Student

H.T.No:

Marks obtained:

1. In IoT, which component is responsible for converting physical phenomena into digital data?

- A) Sensing
- B) Actuation
- C) Networking
- D) Communication

2. What is the primary function of actuation in IoT systems?

- A) Converting digital data to physical phenomena
- B) Transmitting data over networks
- C) Controlling physical devices based on digital data
- D) Monitoring environmental changes

3. Which of the following is NOT a part of the basics of networking in IoT?

- A) Part I
- B) Part II
- C) Part III
- D) Part IV

4. Which communication protocol is commonly used for IoT devices due to its lightweight nature?

- A) TCP/IP
- B) HTTP


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C) MQTT

D) FTP

5. What is the purpose of sensor networks in IoT?

A) Controlling actuators

B) Storing data

C) Monitoring physical environments

D) Processing data

6. Which programming language is commonly used for Arduino programming?

A) Python

B) C++

C) Java

D) JavaScript

7. Which device is commonly used for implementing IoT projects in conjunction with sensors and actuators?

A) Arduino

B) Raspberry Pi

C) SDN

D) Cloud server

8. What is the primary function of fog computing in IoT architecture?

A) Centralized data processing

B) Distributed data processing closer to the data source

C) Storing data on local devices

D) Implementing smart city solutions

9. Which term refers to the integration of sensors with cloud computing for data storage and processing?

A) Sensor-Cloud

B) Fog Computing

C) Machine-to-Machine Communication

D) Smart Grid

10. What is the primary focus of smart cities and smart homes in the context of IoT?

A) Environmental monitoring



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- B) Enhanced security systems
- C) Efficient resource management
- D) Entertainment automation

11. In IoT, what is the primary goal of connected vehicles?

- A) Enhancing driver comfort
- B) Improving traffic flow and safety
- C) Entertainment services for passengers
- D) Fuel efficiency optimization

12. What is the main objective of the Industrial IoT?

- A) Automating household tasks
- B) Enhancing agricultural productivity
- C) Optimizing industrial processes and operations
- D) Providing personalized healthcare services

13. Which term refers to the utilization of IoT technologies in agriculture for improving crop yields and efficiency?

- A) Smart Cities
- B) Smart Grid
- C) Industrial IoT
- D) Precision Agriculture

14. What is the significance of fog computing in IoT?

- A) It enables centralized data processing.
- B) It reduces latency by processing data closer to the data source.
- C) It focuses on long-term data storage.
- D) It enhances cloud computing capabilities.

15. Which technology focuses on real-time monitoring and analysis of human activity for healthcare applications?

- A) Smart Cities
- B) Smart Grid
- C) Industrial IoT
- D) Activity Monitoring



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NARASARAOPET**

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Phone No. 9121214708

Email ID: principal@eswarcollegeofengg.org, eswarcollegeofengg@gmail.com
web:eswarcollegeofengg.org

Department of Mechanical Engineering

date : 29-10-21.

To
The Principal
Eswar College of Engineering
Narasaraopet

Through HOD-ME

From
SK.C.M. Subhani
Assistant Professor
Faculty Coordinator

Sub: Requesting for permission to conduct a value-added course on **Solid works** : from 8/11/2021 to 13/11/2021.

Dear Sir,

The Department of ME is planning to organize a 1 week value-added course on **Solid works** : from 8/11/2021 to 13/11/2021.

Total Number of Students registered: 35 No's (IV B.Tech I Sem ME).


Resource Person: N.Hymavathi.

Certificate Criteria: 60% of marks in Evaluation, 80% of attendance

In connection with the programme, we request your approval to organize the same and to make the programme a grand success.

Thanks and regards,

Name: SK.C.M. Subhani


signature

HOD- Comments — *Recommended*

Principal Comments:
Approved/ Rejected

Recommended


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+91 99636 34414



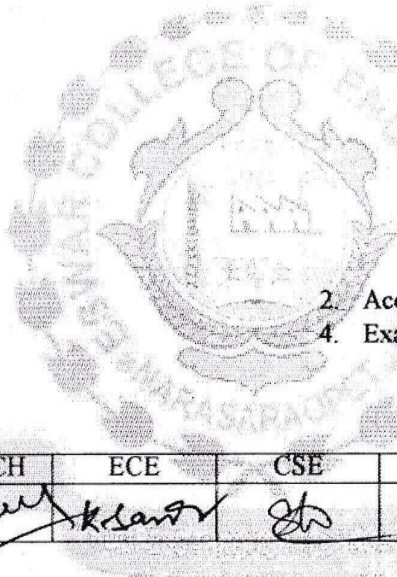
Email: eswarcollegeofengg@gmail.com
Website: www.eswarcollegeofengg.org



Date: 01-11-2021

CIRCULAR

All B.Tech IV-I Mechanical students are hereby notified that a value added course titled "Solid works" will be conducted from 08-11-2021 to 13-11-2021. It is mandatory for all students to enroll their names with course co-ordination SK C. M. Subhani, Assistant Professor, Department of Mechanical Engineering.



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4. Exam Cell *Mung*

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CIVIL	EEE	MECH	ECE	CSE	AME	AGR	S&H
<i>SKC</i>	<i>SKC</i>	<i>Ramesh</i>	<i>K. Sarav</i>	<i>SKC</i>	<i>SKC</i>	<i>SKC</i>	<i>SKC</i>

236 - S

237 - *SKC*

234 - S.V

235 - Rambabu

228 - Navin

203 - *SKC*

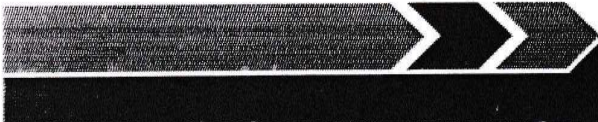
211 - *SKC*

212 - *SKC*

215 - *SKC*

SKC
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Department of Mechanical Engineering

Course Name: Value Added Course on Solid works

Proposed Syllabus

Introduction to CAD

Features of SolidWorks,

Various products available in SolidWorks for Product Design & Assembly Modelling.

Session 1

SolidWorks Graphical User Interface - Feature manager design tree, Callouts, Handles, Confirmation corner, mouse buttons, keyboard shortcuts, Command Manager,

Hardware and Software requirements.

Session 2

Sketch Entities – Inference line, Centerline line, Line, Circle, Arc, Ellipse, Rectangle, Slots, Polygon, Ellipse, Partial Ellipse, Spline, Points, Text, Construction geometry,

Session 3

Sketch Tools - Fillet, Chamfer, Offset, Convert entities, Trim, Extend, Mirror, Dynamic Mirror, Move, Copy, Rotate, Scale, Stretch, Sketch pattern
Close Sketch To Model, Sketch picture,

Relations - Adding Sketch Relation, Automatic relations,

Dimensioning - Smart, Horizontal, Vertical, OrdinateHorizontal ordinate, Vertical ordinate, Align ordinate, Fully define sketch.

Session 4

Part Modeling Tools

Creating reference planes

Creating Extrude features – Direction1, Direction2, From option, Thin feature, Applying draft, Selecting contours

Creating Revolve features – Selecting Axis, Thin features, Selecting contours

Creating Swept features-Selecting Profile and Path, Thin feature
Creating Loft features – Selecting Profiles, Guide curves.

Selecting geometries – Selection Manager, Multiple Body concepts

Creating Reference - points, axis, coordinates

Session 6


Creating curves - Split curve, Project curve, Composite curve, Curve through points, Helix and Spiral

Creating Fillet features

Inserting Hole types

Session 7

Creating Chamfer


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Creating Shell

Creating Rib

Creating Pattern - Linear pattern, Circular pattern, Sketch driven pattern, Curve driven pattern, Fill pattern, mirror

Environment & Utilities - Working with views and manipulating views, Trouble shooting

Session 9

Assembly Modeling Tools

Introduction to Assembly Modeling & Approaches – Top down and Bottom up approach

Applying Standard Mates- Coincident, Parallel, Perpendicular, Tangent, Concentric, Lock, Distance, Angle.

Session 10

Applying Advanced Mates – Symmetric, Width, Path Mate, Linear/Linear Coupler, Limit Mate.

Applying Mechanical Mates – Cam, Hinge, Gear, Rack Pinion, Screw, Universal Joint.

Manipulating Components - Replacing Components, Rotating Components, Move Components, Collision Detection, Physical Dynamics, Dynamic Clearance, Detecting Interference

CO Statements

CO1	Recognize the SOLIDWORKS user interface.
CO2	Demonstrate the process of creating part models.
CO3	Demonstrate the process of creating assembly models from part models
CO4	Prepare engineering drawings from part and assembly models.
CO5	Articulate the key topics covered in the CSWA exam.
CO6	Compose an assembly of multiple parts.


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web:eswarcollegeofengg.org

Department of MECHANICAL
Course Name: SOLID WORKS (8-11-21 to 13-11-21)

YEAR/SEM: IV/I

A.Y : 2021-2022

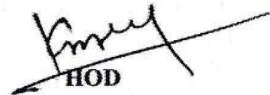
REGISTRATION FORM

SNO	HTNO	NAME OF STUDENT	SIGNATURE
1	18JE1A0301	BAPANAPALLI AJAY KUMAR	B. Ajay Kumar
2	18JE1A0303	KAMASANI BALA MANIKANTA	K. Manikanta
3	* 18JE1A0304	PATTIPATI CHAKRAVARTHI	P. Chakravarthi
4	* 18JE1A0305	MAKKENA CHAKRAVARTHI	M. Chakravarthi
5	18JE1A0307	GRAHAM STAINS MANNAVA	G. Stains
6	18JE1A0308	SHAIK KAGAJI HAFEEZ ALI	Sh. Hafeez
7	18JE1A0309	MALEMPATI LAKSHMI NARAYANA	M. L. Narayana
8	18JE1A0310	TANNERU MADAN KUMAR	T. Madankumar
9	18JE1A0311	ILAPURAM MAHESH	I. Mahesh
10	18JE1A0312	ARDHALA MAHESH BABU	A. Mahesh Babu
11	18JE1A0313	MALLA MANOHAR	M. Manohar
12	18JE1A0314	PATIBANDLA MARIYADASU	P. Mariyadasu
13	18JE1A0315	GATRAM NETAJI	G. Netaji
14	18JE1A0316	VUTUKURI PAVAN RAMAKRISHNA	V. Pavan
15	18JE1A0317	MEKALA SANDEEP	M. Sandeep
16	18JE1A0318	MALLA SIVA SANKAR	M. Siva Sankar
17	18JE1A0319	VELPULA SRIKANTH	V. Srikanth
18	18JE1A0320	THOTA TARUN KUMAR	T. Tarun Kumar
19	18JE1A0321	MOHAMMAD YUSUF	M. Yusuf
20	19JE5A0301	ASULA ASHOK KUMAR	A. Ashok Kumar
21	19JE5A0302	ADDANKI ASHOK KUMAR	A. Ashok
22	19JE5A0303	BUSA BALU	B. Balu
23	19JE5A0304	GOPI MIRIYALA	M. Gopi
24	19JE5A0305	ALLA JAGADEESH	A. Jagadeesh
25	19JE5A0307	SHAIK MASTAN SHAREEF	Shaiq Mastan

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		SHAREEF	
26	19JE5A0308	SHAIK MOHAMMED RAFI	Sk. mohammad Rafi
27	19JE5A0309	PANUGANTI SIVA RAMA KRISHNA	P. siva Rama krishna
28	19JE5A0310	BOJJA SOLMAN RAJU	B. Solman Raju
29	19JE5A0311	PAPPURI SRIKANTH	P. Srikanth
30	19JE5A0312	CHATTU TIRUPATAIAH	Ch. Tirupataiah
31	19JE5A0313	MASABAKTHUNI BRAMARACHARI	M. Bomara. Chari
32	19JE5A0314	MUNAMALA MAHESH REDDY	Mr. Mahesh Reddy
33	19JE5A0315	SHAIK MOHAMMAD RABBANI	Sk. Kabbani
34	19JE5A0316	TATA NAGA SAI KUMAR	T. Sai
35	19JE5A0317	KUNCHALA SIVA KRISHNA	M. K. Siva K. Siva



COURSE COORDINATOR


HOD

HOD
Department of ME
Eswar College of Engineering
Kesanapalli (V) Narasaraopet S.D. Dist. AP


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Phone No. 9121214708

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web:eswarcollegeofengg.org

Department of Mechanical Engineering

Course Name: Value Added Course on Solid works.

Evaluation of the Value-Added Courses

Answer all the Questions Each Question Carry 1 Mark

Total Marks: 20M

Min Marks: 12 Marks

Name of the Student

H.T.No:

Marks obtained:

1. What does CAD stand for?

A) Computer-aided Design B) Computer Algorithm Development C) Creative Art Design D) Computer Application Development

2. Which of the following is a feature of SolidWorks?

A) AutoCAD B) CATIA C) Inventor D) Solid Edge

3. Which sketch tool is used to create a line passing through a point at a specific angle?

A) Centerline B) Line C) Arc D) Spline

4. What is the purpose of construction geometry in SolidWorks?

A) To create fully defined sketches B) To add aesthetic elements to sketches
C) To aid in the creation of complex sketches D) To define material properties

5. Which sketch tool is used to create rounded or beveled edges between two entities?

A) Fillet B) Chamfer C) Offset D) Convert entities

6. What is the purpose of dimensioning in SolidWorks?

A) To create sketches B) To define material properties
C) To specify the size and position of sketch entities D) To add aesthetic elements to sketches

7. How can reference planes be created in SolidWorks?

A) By selecting predefined planes B) By drawing lines and connecting them C) By importing from external files D) By using mathematical equations


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8. Which feature in SolidWorks is used to create a 3D shape by adding or removing material?
A) Extrude B) Revolve C) Sweep D) Loft
9. What is the purpose of guide curves in loft features in SolidWorks?
A) To provide a path for the loft B) To define material properties C) To create aesthetic elements
D) To aid in sketching
10. What is the function of reference points in SolidWorks?
A) To define material properties B) To provide a reference for dimensioning C) To add aesthetic
elements D) To create sketches
11. Which curve feature in SolidWorks is used to create a path for a sweep or loft operation?
A) Split curve B) Project curve C) Composite curve D) Curve through points
12. What is the function of the fillet feature in SolidWorks?
A) To create rounded edges B) To create sharp edges C) To add aesthetic elements D) To define
material properties
13. What is the purpose of the chamfer feature in SolidWorks?
A) To create rounded edges B) To create flat edges C) To add aesthetic elements D) To define
material properties
14. Which feature in SolidWorks is used to remove material from the interior of a part, leaving only a
shell?
A) Extrude B) Revolve C) Sweep D) Shell
15. What is the purpose of working with views in SolidWorks?
A) To create sketches B) To manipulate 3D models C) To troubleshoot errors D) To add aesthetic
elements
16. Which of the following is NOT a standard view manipulation tool in SolidWorks?
A) Rotate B) Zoom C) Scale D) Extrude
17. What is the top-down approach in assembly modeling?
A) Starting with individual parts and assembling them together B) Starting with a complete
assembly and breaking it down into parts
C) Starting with an empty assembly and creating parts within it D) Starting with sketches and
extruding them into parts
18. Which of the following is a standard mate in SolidWorks used to align two faces or edges
together? A) Coincident B) Parallel C) Tangent D) Angle
19. What is the purpose of a limit mate in SolidWorks?
A) To restrict the movement of components within a specific range B) To ensure components are
aligned C) To allow components to move freely D) To define material properties
20. Which mate in SolidWorks is used to simulate the motion of a screw or bolt?
A) Screw mate B) Gear mate C) Hinge mate D) Cam mate





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Phone No. 9121214708

Email ID: principal@eswarcollegeofengg.org, eswarcollegeofengg@gmail.com
web:eswarcollegeofengg.org

Department of Electronics and Communication Engineering

Dt: 7-09-2021

To
The Principal
Eswar College of Engineering
Narasaraopet

Through HOD-ECE

From
Shaik Mona
Assistant Professor
Faculty Coordinator

Sub: Requesting for permission to conduct a value-added course on **Millimeter-Wave Technology** from **20-09-2021 to 25-09-2021**.

Dear Sir,

The Department of ECE is planning to organize a 1 week value-added course on **Millimeter-Wave Technology** from **20-09-2021 to 25-09-2021**.

Total Number of Students registered: **94 No's** (IV B.Tech I Sem ECE-A and B).


Resource Person: **Dr P Srinivasa Rao**, Associate Professor,
Department of ECE, St. Ann's College of
Engineering and Technology, Chirala.

Certificate Criteria: 60% of marks in Evaluation, 80% of attendance

In connection with the programme, we request your approval to organize the same and to make the programme a grand success.

Thanks and regards,

Name:., **SK. MONA**

Signature 

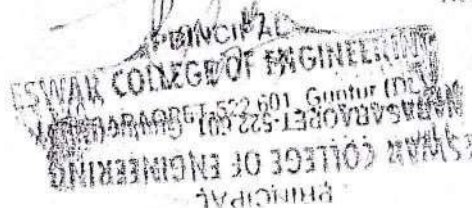
HOD- Comments

please consider. — K. Sankar


Principal Comments:

Recommended

Approved/ Rejected



Department of ECE
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Kesanupalli (V), Narasaraopet - 522 601.


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Phone No. 9121214708

Email ID: principal@eswarcollegeofengg.org, eswarcollegeofengg@gmail.com
web:eswarcollegeofengg.org

Date: 14-09-2021

CIRCULAR

All **IVI B.Tech** students are hereby notified that a value added course titled **"Millimeter-Wave Technology"** will be scheduled from **20-09-2021 to 25-09-2021**. It is mandatory for all students to enroll their names with course co-ordination Shaik Mona Assistant Professor, Department of ECE.

Copy to:

1. HOD-ECE – K. Sankar
3. IVI Class Rooms

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[Signature] ECE-B

[Signature]
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2. Exam Cell – *[Signature]*

[Signature]
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Palnadu Dist A.P 522 549



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web:eswarcollegeofengg.org

Department of Electronics and Communication Engineering

Course Name: **Millimeter-Wave Technology**

Proposed Syllabus

1. Introduction to Millimeter-Wave Technology

Basics of electromagnetic wave propagation, Frequency bands and spectrum allocation, Overview of mm Wave components and systems

2. mmWave Antenna Design and Analysis

Antenna fundamentals and types, Design considerations and challenges in mmWave antennas

Simulation and analysis of mmWave antennas using software tools

3. mmWave Circuits and Systems

Circuit design principles for mmWave applications, RF front-end components and systems, Design and simulation of mmWave circuits

4. mmWave Communication Systems and Standards

Principles of mmWave communication systems, 5G NR mmWave communication, Automotive radar and imaging systems

5. Advanced Topics in Millimeter-Wave Technology

Beam forming and MIMO systems in mmWave, Integration of mmWave with other wireless technologies, Recent advancements and future trends in mmWave technology

CO Statements

CO's	CO Statements
CO1	Students will gain a solid understanding of the fundamental principles and concepts of millimeter-wave technology, including electromagnetic wave propagation and frequency bands.
CO2	Students will develop practical skills in designing, simulating, and analyzing millimeter-wave antennas, circuits, and RF front-end components using specialized software tools.
CO3	Students will be able to evaluate and implement mm Wave communication systems for various applications, including 5G, automotive radar, and imaging systems.
CO4	Students will apply advanced techniques such as beam forming, MIMO systems, and integration with other wireless technologies in the design and optimization of mm Wave systems.
CO5	Students will foster research-oriented thinking and problem-solving skills through critical analysis of real-world mm Wave systems, research papers, and recent advancements.
CO6	Students will demonstrate the ability to contribute to the advancement and innovation of millimeter-wave technology through practical projects, research-oriented tasks, and collaborative efforts.



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Department of Electronics and Communication Engineering

Registration Form

1 Week Add-On Course on "Millimeter-Wave Technology"

Date: 20-09-2021 to 25-09-2021.

S.No.	HT.NO	Student Name	Signature
1	18JE1A0401	SHAIK ABBASVALI	SK. ABBASVALI
2	18JE1A0402	SHAIK ABDULLA	SK. ABDULLA
3	18JE1A0403	SHAIK ABDULLA BHASHA	SK. ABDULLA BHASHA
4	18JE1A0404	SYED AHAMMAD BASHA	S. Basha
5	18JE1A0406	MANDALA AKHILA	M. Akhila
6	18JE1A0407	ANNAM ANJANEYA PRASAD	A. ANJANEYA PRASAD
7	18JE1A0408	SHAIK ARSHINA	SK. ARSHINA
8	18JE1A0409	SHAIK AZIM FARUKH	SK. AZIM FARUKH
9	18JE1A0410	LINGALA BALAKRISHNA	L. Balakrishna
10	18JE1A0411	BHANU LATHA NELAVALLI	N. Bhannu latha
11	18JE1A0412	MUNAGALA BHARATHI	M. Bharathi
12	18JE1A0413	IMMANDI BHAVANA	I. Bhavana
13	18JE1A0414	ITHA BHAVYA	I. Bhavya
14	18JE1A0415	GANUGAPANTA CHAKRAVARTHI	G. chakravarthi
15	18JE1A0416	KOLLI CHINNA LALAIHA	K. chinna lalaha
16	18JE1A0417	AYIMALA CHINNA MARK	Ayimala
17	18JE1A0418	CHIRUGURI DWARAKA	Ch. Dwaraka
18	18JE1A0419	SHAIK FASIYA	SK. Fasiya
19	18JE1A0421	BODA GOPICHAND	B. Gopichand
20	18JE1A0422	RAVULAKOLLU GOPICHAND	R. Gopichand
21	18JE1A0423	SHAIK HABIMUNNISA	SK. Munnisa
22	18JE1A0425	KUPPAM REMANTHKUMAR	K. Remanthkumar
23	18JE1A0426	SHAIK JAPNSFI	SK. Japnsfi
24	18JE1A0427	SHAIK JAMAL BABA	SK. Jamal baba
25	18JE1A0428	BATTU KALPANA	B. Kalpana
26	18JE1A0429	KOTA KAMAL	K. Kamal
27	18JE1A0430	SOMABATHINA KRISHNA DEVAKI	S. K. Devaki
28	18JE1A0431	YAKKANTI LAKSHMI BHAVANI	Y. L. Bhavani
29	18JE1A0433	SHAIK LAL JOHN BASHA	SK. John basha
30	18JE1A0434	VANIPENTA LEEELA GOVINDA REDDY	V. Govinda reddy
31	18JE1A0435	POLISETTI LEEELA SAI KUMAR	P. Saikumar
32	18JE1A0436	CHERUKUPALLI LOKESH	C. Lokesh
33	18JE1A0437	SHAIK MAHAB	SK. mahab
34	18JE1A0438	SHAIK MAHABOOB BASHA	SK. Basha

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35	18JE1A0439	SHAIK MAHAMMAD NOUSHAD	SK. M. Noushad
36	18JE1A0440	KETHARAJUPALLI MANIKANTA	K. Manikanta
37	18JE1A0441	PARCHURI MARY	P. Mary
38	18JE1A0443	SHAIK MUBEENA	SK. Mubeena
39	18JE1A0444	MOGHAL MUHAMMAD FIRDAUSE BAIG	M.M. Firdause Baig
40	18JE1A0445	SHAIK MUNNAS BEGUM	SK. Munnas Begum
41	18JE1A0446	PERAM NAGA MOHAN REDDY	Mohan Reddy
42	18JE1A0447	ATTALURI NAGA SAI	A. Naga Sai
43	18JE1A0448	MUVVALA NAGA SAI MANI KANTA	M. Manikanta
44	18JE1A0449	SHAIK NAGFENABI	SK. Nagfenabi
45	18JE1A0450	SHAIK NAGULMEERA	S. Nagul Meera
46	18JE1A0451	MUVVA NARENDRA	M. Narendra
47	18JE1A0452	NEERAJA CHIRUMAMILLA	M. Neeraja
48	18JE1A0453	UPPUMAGULURI PAVAN KUMAR	U. Pavan Kumar
49	18JE1A0454	BEERAM RAGA SUDHA	B.R. Sudha
50	18JE1A0455	PAGADALA RAJAMOHAN REDDY	P. Rajamohan Reddy
51	18JE1A0456	DERANGULA RAMA HANUMAN	D. Hanuman
52	18JE1A0457	CHATTU RAMYA	C. Ramya
53	18JE1A0458	AIMALA RAVEENDRA BABU	A. Raveendra Babu
54	18JE1A0459	SWAMY REVANTH KUMAR	S. Revanth Kumar
55	18JE1A0460	SHAIK RIYAZ	SK. Riyaz
56	18JE1A0461	KUNISSETTY SAI NAVYA LAKSHMI	K.S.N. Lakshmi
57	18JE1A0462	KOTHURI SAI PRAVALLIKA	K. Sai Pravalika
58	18JE1A0463	SHAIK SALEEM MALIK	SK. Saleem
59	18JE1A0464	POTLURI SAMBA SIVA REDDY	P. Siva Reddy
60	18JE1A0465	SAYED SHAMSHAD	Sayed Shamsbad
61	18JE1A0466	IKKURTHI SHARIEF	I. Sharief
62	18JE1A0467	SHAIK SHARMILA	SK. Sharmila
63	18JE1A0468	VELPULA SIRISHA	V. Sirisha
64	18JE1A0469	TIRUVAIPATI SITA RAM	T. Sita Ram
65	18JE1A0470	MIRIYALA SIVA NAGA JYOTHI	M.S.N. Jyothi
67	18JE1A0471	BOMMU SIVA PRASAD	B. Prasad
68	18JE1A0472	POTLURI SRAVANI	P. Sravani
69	18JE1A0473	PERAM SRIKANTH REDDY	P. Srikanth Reddy
69	18JE1A0474	GANNAVARAPU SRINIVAS	G. Srinivas
70	18JE1A0475	KOTA STEPHEN RAJU	K. STEPHEN RAJU
71	18JE1A0476	SHAIK SUFIYA	SK. Sufiya
72	18JE1A0477	SHAIK SUHANA	SK. Suhana
73	18JE1A0478	MEKA SWATHI MANI DEEPTHI	M. Swathi
74	18JE1A0479	DERANGULA TARUN KUMAR	D. Tarun Kumar
75	18JE1A0480	SHAIK TASLEEM	SK. Tasleem
76	18JE1A0481	NOOKALA V S L MOUNIKA	N. Mounika
77	18JE1A0482	VIDADALA VAMSI	V. Vamsi
78	18JE1A0483	MANNEPALLI VARSHA	M. Varsha
79	18JE1A0484	PRAGADA VENKATA KOMALI	P.V. Komali
80	18JE1A0486	SAMPATHI VENKATESH	S. Venkatesh
81	18JE1A0487	SHAIK WASIM AKRAM	SK. Wasim
82	18JE1A0488	TAMMINENI YAGNASRI	T. Yagnasri
83	18JE1A0489	BANDI YUVASRI DIVYA	B. Yuvasri Divya

84	18JE1A0490	PALAPARTHI SRINIVASARAO	P. srinivasarao
85	18JE1A0491	THOTA TEJASWINI	T. Tejaswini
86	18JE1A0492	SOMA ANIL KUMAR	S. Anil Kumar
87	18JE1A0493	SHAIK GOUSE	Sk. Gouse.
88	17JE1A04A7	PUTTA USHARANI	puttarani
89	19JE5A0401	SHAIK ABDULKHALEM	Sk. abdul khaalem
90	19JE5A0402	CHILUKURI LAKSHMI MOUNIKA	Ch. L. Mounika
91	19JE5A0403	ANNABATTUNI LAKSHMI PRASAD	Annabattuni lakshmi prasad
92	19JE5A0404	KOTA NAGALAKSHMI	K. naga lakshmi
93	19JE5A0405	ANNABATTUNI RAMYASRI	A. ramyasri
94	19JE5A0406	BATTULA RAVI KUMAR	B.R. Kumar

Course Coordinator

K. Sanyal
HOD-ECE

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Department of Electronics and Communication Engineering

Course Name: Millimeter-Wave Technology

Evaluation of the Value-Added Courses

Answer all the Questions Each Question Carry 1 Mark

Total Marks: 20M

Min Marks: 12 Marks

Name of the Student

H.T.No:

Marks obtained:

1. What is the frequency range of millimeter waves? []
A) 1-10 GHz B) **10-100 GHz** C) 100-300 GHz D) 300-1000 GHz
2. Which of the following is a major application of mmWave technology? []
A) Wi-Fi B) Bluetooth C) **5G** D) AM radio
3. What is the primary challenge in designing mmWave antennas? []
A) Power consumption B) **Signal attenuation** C) Frequency stability D) Data rate
4. Which software tool is commonly used for simulating mmWave antennas? []
A) MATLAB B) **HFSS** C) SPICE D) Python
5. What does MIMO stand for in the context of mmWave communication? []
A) **Multiple Input Multiple Output** B) Millimeter Wave Integrated Module
C) Microwave Imaging and Mapping Operation D) Multi-Interface Mobile Operation
6. Which frequency band is commonly used for automotive radar applications? []
A) 24 GHz B) 60 GHz C) **77 GHz** D) 100 GHz
7. What is beamforming in mmWave technology? []
A) Transmitting signals in all directions B) **Focusing the signal in a specific direction**
C) Modulating the signal frequency D) Multiplexing multiple signals
8. Which technology is NOT typically integrated with mmWave for wireless communication? []
A) Wi-Fi B) LTE C) **Zigbee** D) Bluetooth
9. What is the main advantage of using mmWave in 5G networks? []
A) Longer range B) Lower latency C) **Higher data rates** D) Lower cost
10. Which parameter is critical for determining the range of mmWave communication? []
A) Frequency B) Bandwidth C) Antenna size D) **Signal strength**
11. What is the primary reason for using mmWave in imaging systems? []

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- A) **Higher resolution** B) Lower power consumption
 C) Longer range D) Faster processing speed
12. Which component is essential in a mmWave RF front-end? []
- A) Microcontroller **B) Power amplifier**
 C) Display screen D) Memory card
13. Which modulation technique is commonly used in mmWave communication? []
- A) AM B) FM **C) QAM** D) PCM
14. What is the primary purpose of using beamforming in mmWave MIMO systems?
 A) Increase data rate **B) Reduce interference** []
 C) Extend range D) Enhance security
15. Which band is considered a sub-category of mmWave? []
- A) UHF B) VHF **C) SHF** D) ELF
16. What does LOS stand for in mmWave communication? []
- A) Line of Sight/** B) Level of Service C) Line of Symmetry D) Length of Signal
17. Which of the following is a disadvantage of mmWave communication? []
- A) High atmospheric absorption** B) Limited bandwidth
 C) Low data rates D) Longer propagation delay
18. Which technology is NOT directly impacted by mmWave frequency bands? []
- A) Satellite communication B) Microwave ovens
C) FM radio D) Infrared communication
19. What is the primary advantage of using MIMO in mmWave systems? []
- A) Increased data rate** B) Extended range
 C) Reduced latency D) Enhanced security
20. Which factor limits the deployment of mmWave technology in mobile networks? []
- A) Cost of equipment **B) Availability of spectrum**
 C) Interference with other services D) Power consumption


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Department of Electronics and Communication Engineering

DT: 7-03-2022

To
The Principal
Eswar College of Engineering
Narasaraopet

Through HOD-ECE

From
B Bhavani
Assistant Professor
Faculty Coordinator

Sub: Requesting for permission to conduct a value-added course on **CMOS Analog VLSI Design**
from **21-03-2022 to 26-03-2022**

Dear Sir,

The Department of ECE is planning to organize a 1 week value-added course on **CMOS Analog VLSI Design** from **21-03-2022 to 26-03-2022**.

Total Number of Students registered: **94 No's** (IV B.Tech I Sem ECE-A and B).


Resource Person: J Kavitha, Associate Professor, Department of ECE, St. Anns College of Engineering and Technology, Chirala.

Certificate Criteria: 60% of marks in Evaluation, 80% of attendance

In connection with the programme, we request your approval to organize the same and to make the programme a grand success.

Thanks and regards,

Name: B Bhavani

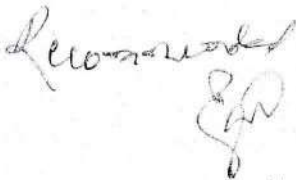
Signature 

HOD- Comments

Please Consider

Principal Comments:

Approved/ Rejected


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Department of ECE
Eswar College of Engineering
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web:eswarcollegeofengg.org

Date: 14-03-2022

CIRCULAR

All IV/II B.Tech students are hereby notified that a value added course titled "CMOS Analog VLSI Design" will be scheduled from 21-03-2022 to 26-03-2022. It is mandatory for all students to enroll their names with course co-ordination B Bhavani, Assistant Professor, Department of ECE.

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Palnadu Dist A.P 522 549

Copy to:

1. HOD-ECE - K. Sarav
3. IV/II Class Rooms

2. Exam Cell - Mary

[Signature] - ECE-A
[Signature] - ECE-B

[Signature]
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Department of Electronics and Communication Engineering

Course Name: **CMOS Analog VLSI Design**

Proposed Syllabus

Introduction to CMOS Technology and Analog Design Basics

(6 hours)

Introduction to CMOS Technology, Historical background, Advantages and challenges of CMOS technology, Basics of Analog Design, Analog vs. Digital signals, Analog building blocks: Resistors, capacitors, and transistors, CMOS Transistor Basics MOSFET operation principles CMOS Inverter: Static and dynamic characteristics, Small-signal and large-signal models

CMOS Amplifiers and Op-Amps

(6 hours)

Single-Stage Amplifiers common source, common gate, and common drain amplifiers Design considerations and trade-offs Two-Stage Amplifiers, Cascaded amplifier design, Miller effect and frequency compensation, Operational Amplifiers (Op-Amps), Ideal vs. real Op-Amps, Frequency response and stability. Compensation techniques

Advanced Analog Blocks-1

(6 hours)

Voltage References and Biasing Circuits, Bandgap references, Current and voltage biasing techniques, Filters and Oscillators, Active and passive filters.

Advanced Analog Blocks-2

(6 hours)

Phase-locked loops (PLLs) and oscillators, Data Converters, Digital-to-Analog Converters (DACs), Analog-to-Digital Converters (ADCs)

Layout Design and Simulation

(6 hours)

CMOS Layout Design Rules, Metal layers, vias, and spacing rules, Parasitic capacitance and resistance, Analog Layout Design Techniques, Matching techniques, Guard rings, shielding, and isolation, Simulation Tools and Methodologies, SPICE simulation basics, Monte Carlo analysis and corner simulations

Noise, Power, and Reliability

(6 hours)

Analog Noise Analysis, Thermal noise, flicker noise, shot noise, Noise figure and Signal-to-Noise Ratio (SNR), Power Consumption and Efficiency, Real-world examples of CMOS Analog VLSI designs, Success stories and lessons learned, Emerging Trends in Analog VLSI Design, High-frequency and mmWave design challenges, Integration with RF, MEMS, and AI.

CO Statements

CO's	CO Statements
CO1	Understand the foundational principles of CMOS technology and its advantages and challenges in analog circuit design..
CO2	Design and analyze basic to advanced CMOS analog circuits, including amplifiers, operational amplifiers, and data converters, considering trade-offs and performance metrics
CO3	Apply layout design techniques and adhere to CMOS layout rules, ensuring optimal performance, matching, and reliability of analog circuits.
CO4	Utilize simulation tools for accurate modeling, analysis, and verification of CMOS analog circuits, including frequency response, noise analysis, and power consumption..
CO5	Evaluate and optimize analog circuit performance in terms of noise, power efficiency, and reliability, employing advanced design and mitigation strategies.
CO6	Recognize and discuss current industry trends, emerging technologies, and real-world applications of CMOS Analog VLSI design, demonstrating awareness of future directions and challenges in the field.


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Department of Electronics and Communication Engineering

Attendance Sheet

1 Week Add-On Course on "CMOS Analog VLSI Design"

Date: 21-03-2022 to 26-03-2022.

S.No.	HT.NO	Student Name	Signature
1	18JE1A0401	SHAIK ABBASVALI	Sk. A. Abbasvali
2	18JE1A0402	SHAIK ABDULLA	Sk. Abdulla
3	18JE1A0403	SHAIK ABDULLA BHASHA	Sk. Abdulla Bhasha
4	18JE1A0404	SYED AHAMMAD BASHA	SP. Basha
5	18JE1A0406	MANDALA AKHILA	M. Akhila
6	18JE1A0407	ANNAM ANJANEYA PRASAD	A. Annam Anjaneya Prasad
7	18JE1A0408	SHAIK ARSHIYA	Sk. Arshiya
8	18JE1A0409	SHAIK AZIM FARUKH	Sk. Azim Farukh
9	18JE1A0410	LINGALA BALAKRISHNA	L. Balakrishna
10	18JE1A0411	BHANU LATHA NELAVALLI	N. Bhanu Latha
11	18JE1A0412	MUNAGALA BHARATHI	M. Bharathi
12	18JE1A0413	IMMANDI BHAVANA	S. Bhavana
13	18JE1A0414	ITHA BHAVYA	I. Bhavya
14	18JE1A0415	GANUGAPANTA CHAKRAVARTHI	G. Ganugapanta Chakravarti
15	18JE1A0416	KOLLI CHINNA LALIAH	K. Chinna Laliah
16	18JE1A0417	AYIMALA CHINNA MARK	A. Ayimala Chinna Mark
17	18JE1A0418	CHIRUGURI DWARAKA	Ch. Dwarka
18	18JE1A0419	SHAIK FASIYA	Sk. Fasiya
19	18JE1A0421	BODA GOPICHAND	B. Gopichand
20	18JE1A0422	RAVULAKOLU GOPICHAND	R. Gopichand
21	18JE1A0423	SHAIK HABIMUNNISA	Sk. Habimunnisa
22	18JE1A0425	KUPPAM HEMANTHKUMAR	K. Hemanth Kumar
23	18JE1A0426	SHAIK JAHNSRI	Sk. Jahnsri
24	18JE1A0427	SHAIK JAMAL BABA	Sk. Jamal Basha
25	18JE1A0428	BATTU KALPANA	B. Kalpana
26	18JE1A0429	KOTA KAMAL	K. Kamal
27	18JE1A0430	SOMABATHINA KRISHNA DEVAKI	S. Devaki
28	18JE1A0431	YAKKANTI LAKSHMI BHAVANI	Y. Lakshmi Bhavani
29	18JE1A0433	SHAIK LAL JOHN BASHA	Sk. Lal John Basha
30	18JE1A0434	VANIPENTA LEELA GOVINDA REDDY	V. Leela Govinda Reddy
31	18JE1A0435	POLISSETTI LEELA SAI KUMAR	P. Sai Kumar
32	18JE1A0436	CHERUKUPALLI LOKESH	C. Lokesh
33	18JE1A0437	SHAIK MAHABI	Sk. Mahabi
34	18JE1A0438	SHAIK MAHABOOB BASHA	Sk. Mahabooob Basha
35	18JE1A0439	SHAIK MAHAMMAD NOUSHAD	Sk. M. Noushad

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36	18JE1A0440	KETHARAJUPALLI MANIKANTA	k. manikanta
37	18JE1A0441	PARCHURI MARY	P. mary
38	18JE1A0443	SHAIK MUBEENA	Sk. Mubeena
39	18JE1A0444	MOGHAL MUHAMMAD FIRDAUSE BAIG	M. M. Firdause Baig
40	18JE1A0445	SHAIK MUNNAS BEGUM	Sk. Munnas begum
41	18JE1A0446	PERAM NAGA MOHAN REDDY	P. naga mohan reddy
42	18JE1A0447	ATTALURI NAGA SAI	A. Naga Sai
43	18JE1A0448	MUVVALA NAGA SAI MANI KANTA	M. main kanta
44	18JE1A0449	SHAIK NAGEENABI	sk. paginaghi
45	18JE1A0450	SHAIK NAGULMEERA	sk. nagulmeera
46	18JE1A0451	MUVVA NARENDRA	M. Narendra
47	18JE1A0452	NEERAJA CHIRUMAMILLA	CH. Neeraja
48	18JE1A0453	UPPUMAGULURI PAVAN KUMAR	U. Pavan kumar
49	18JE1A0454	BEERAM RAGA SUDHA	B. Sudha
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55	18JE1A0460	SHAIK RIYAZ	sk. Riyaz
56	18JE1A0461	KUNISSETTY SAI NAVYA LAKSHMI	K. sainavya nagalashmi
57	18JE1A0462	KOTHURI SAI PRAVALLIKA	k. Sai Pravalika
58	18JE1A0463	SHAIK SALEEM MALIK	sk. Saleem
59	18JE1A0464	POTLURI SAMBA SIVA REDDY	P. S. Siva Reddy
60	18JE1A0465	SAYED SHAMSHAD	S. D. Shamsad
61	18JE1A0466	IKKURTHI SHARIEF	I. Sharief
62	18JE1A0467	SHAIK SHARMILA	sk. Sharmila
63	18JE1A0468	VELPULA SIRISHA	V. Sirisha
64	18JE1A0469	TIRUVAIPATI SITA RAM	T. Sita Ram
65	18JE1A0470	MIRIYALA SIVA NAGA JYOTHI	
67	18JE1A0471	BOMMU SIVA PRASAD	B. Siva Prasad
68	18JE1A0472	POTLURI SRAVANI	P. Sravani
69	18JE1A0473	PERAM SRIKANTH REDDY	
69	18JE1A0474	GANNAVAPU SRINIVAS	G. Srinivas
70	18JE1A0475	KOTA STEPHEN RAJU	
71	18JE1A0476	SHAIK SUFIYA	sk. Sufiya
72	18JE1A0477	SHAIK SUHANA	sk. Suhana
73	18JE1A0478	MEKA SWATHI MANI DEEPTHI	M. Manideepthi
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78	18JE1A0483	MANNEPALLI VARSHA	M. Varsha
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87	18JE1A0493	SHAIK GOUSE	Sr. Gouse
88	17JE1A04A7	PUTTA USHARANI	P. Usharani
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92	19JE5A0404	KOTA NAGALAKSHMI	K. Nagalakshmi
93	19JE5A0405	ANNABATTUNI RAMYASRI	A. Ramya
94	19JE5A0406	BATTULA RAVI KUMAR	B. Ravikumar

Course Coordinator

HOD-ECE

Principal

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Department of Electronics and Communication Engineering

Course Name: CMOS Analog VLSI Design

Evaluation of the Value-Added Courses

Answer all the Questions Each Question Carry 1 Mark

Total Marks: 20M

Min Marks: 12 Marks

Name of the Student

H.T.No:

Marks obtained:

1. Which technology is widely used for integrated circuit fabrication due to its low power consumption and high integration density? []
A) Bipolar Junction Transistor (BJT)
B) **Complementary Metal-Oxide-Semiconductor (CMOS)**
C) Junction Field-Effect Transistor (JFET)
D) Metal-Oxide-Semiconductor Field-Effect Transistor (MOSFET)
2. What is the primary advantage of CMOS technology in analog circuit design? []
A) High speed
B) **Low power consumption**
C) High breakdown voltage
D) High gain
3. Which building blocks are fundamental to analog circuit design? []
A) Transistors only
B) **Resistors, capacitors, and transistors**
C) Logic gates
D) Microcontrollers
4. Which type of CMOS amplifier is commonly used for voltage amplification? []
A) **Common source** B) Common drain C) Common gate D) Common emitter
5. What is the primary purpose of Miller effect in two-stage amplifiers? []
A) **Frequency compensation** B) Voltage regulation
C) Current amplification D) Noise reduction
6. Which type of amplifier provides a high input impedance and low output impedance? []
A) Common source B) Common drain C) Common gate D) **Common collector**
7. What is the ideal gain of an operational amplifier (Op-Amp)? []
A) Zero B) **Infinite** C) One D) Variable
8. Which technique is commonly used for voltage reference generation in analog circuits? []
A) Current biasing B) **Bandgap reference** C) Miller compensation D) Phase-locked loop
9. What is the primary function of an Analog-to-Digital Converter (ADC)? []
A) Amplify analog signals
B) **Convert digital signals to analog**

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- C) Convert analog signals to digital D) Filter noise from analog signals
10. Which parameter describes the ability of an Op-Amp to reject variations in the power supply voltage? []
- A) Bandwidth **B) PSRR (Power Supply Rejection Ratio)**
- C) Gain bandwidth product D) Slew rate
11. Which of the following is NOT a type of analog filter? []
- A) Low-pass filter B) High-pass filter C) Digital filter **D) Band-pass filter**
12. What is the primary cause of thermal noise in analog circuits? []
- A) External interference B) Circuit mismatch
- C) Random electron motion** D) Power supply fluctuations
13. Which design technique is used to reduce power consumption in CMOS circuits? []
- A) Voltage scaling B) Clock gating **C) Both A and B** D) Neither A nor B
14. What is the primary purpose of guard rings in analog layout design? []
- A) Enhance circuit performance B) Reduce parasitic capacitance
- C) Prevent latch-up and protect against ESD** D) Improve heat dissipation
15. Which simulation tool is commonly used for CMOS circuit analysis and design? []
- A) MATLAB **B) Cadence Virtuoso** C) SPICE D) LTspice
16. What does DfR stand for in the context of analog circuit design? []
- A) Design for Redundancy **B) Design for Reliability**
- C) Design for Reusability D) Design for Robustness
17. Which type of noise is inversely proportional to frequency and dominant at low frequencies? []
- A) Thermal noise **B) Flicker noise** C) Shot noise D) Burst noise
18. What does PSRR measure in an operational amplifier? []
- A) Phase Shift Rejection Ratio **B) Power Supply Rejection Ratio**
- C) Phase Synchronization Rate D) Power Signal Recovery Ratio
19. Which of the following is an emerging trend in CMOS Analog VLSI design? []
- A) Increased integration with RF and AI** B) Reduction in transistor size
- C) Use of non-CMOS technologies D) Decreased emphasis on power efficiency
20. Which parameter indicates the ability of an amplifier to maintain its gain over a range of frequencies? []
- A) Slew rate B) Gain bandwidth product **C) Bandwidth** D) PSRR





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Email ID:
principal@eswarcollegeofengg.org, eswarcollegeofengg@gmail.com
web:eswarcollegeofengg.org

Department of Automobile Engineering

29/12/2021

To
The Principal
Eswar College of Engineering
Narasaraopet

Through HOD-AME

From
E.Pullarao
Assistant Professor
Faculty Coordinator

Sub: Requesting for permission to conduct a value-added course on **java programming** 03/01/22 to 8/01/22

Dear Sir,

The Department of Automobile Engineering is planning to organize a 1-week value-added course on **java programming** 03/01/22 to 08/01/22

Total Number of Students registered: 8 No's (III B.Tech II Sem).

Resource Person: B.Prem kumar CSE Department, Eswar College of Engineering

Certificate Criteria: 60% of marks in Evaluation, 80% of attendance

In connection with the programme, we request your approval to organize the same and to make the programme a grand success.

Thanks, and regards,

Name: E.Pullarao


Signature

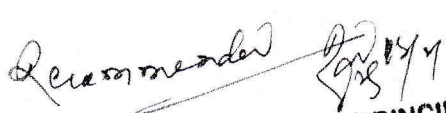

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HOD- Comments

Please consider

Principal Comments:

Approved/ Rejected


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Email: eswarcollegeofengg@gmail.com

Website: www.eswarcollegeofengg.org



Date: 28-12-2021

CIRCULAR

All B. Tech **III-II AME** students are hereby notified that a value-added course titled **"JAVA PROGRAMMING"** will be conducted from **03-01-2022 to 08-01-2022**. It is mandatory for all students to enroll their names with course coordinator E.PULLARAO, Assistant Professor, AME

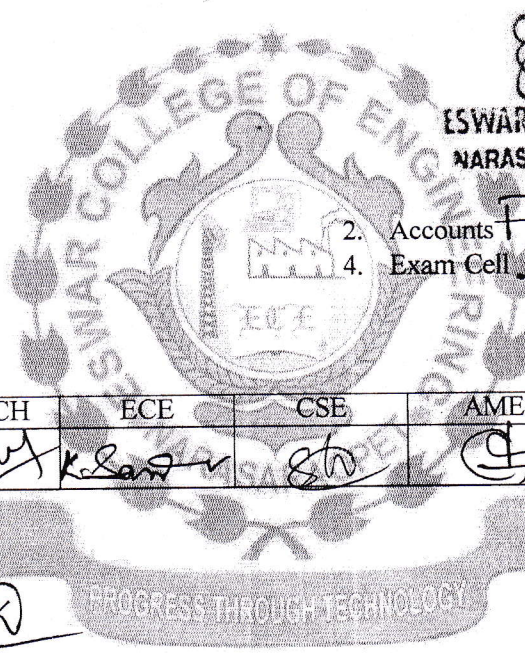
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4. Exam Cell



E. Pullarao
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HODs:

CIVIL	EEE	MECH	ECE	CSE	AME	S&H
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

IV AME CLASS ROOM -

III AME CLASS ROOM -

II AME CLASS ROOM -

[Signatures]

[Signature]
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Department of Automobile Engineering


Course Name: Value Added Course on java programming

Proposed Syllabus

- Introduction to JAVA(6L)
- Basic language elements(5L)
- Object-oriented concepts(9L)
- Control structures and loops(7L)
- Arrays and strings(9L)

CO Statements

CO's	CO Statements
CO1	Understand what JAVA and its significance
CO2	Gathering information about future JAVA programming


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Department of AME

Course Name: **JAVA PROGRAMMING**

(03/01/2022 TO 08/01/2022)

YEAR/SEM: III/II

A.Y : 2021-2022


REGISTRATION FORM


SNO	HTNO	NAME OF STUDENT	SIGNATURE
1	19JE1A2401	SHAIK ABDUL KALAM	Shaik Abdul Kalam
2	19JE1A2404	YERUVA MALLIKHARJUNAREDDY	Y. Mallikharjunareddy
3	19JE1A2405	GUTTIKONDA NARENDRA CHARI	G. Narendran
4	19JE1A2406	BHUMIREDDY SRINIVAS REDDY	B. SRINIVASREDDY
5	19JE1A2407	GONISAPUDI STHITHA PRAGNACHARY	G. Sthitha.
6	20JE5A2401	BANALAGOPI KUMAR	B. Gopi Kumar.
7	20JE5A2402	GAJULAMADHUSUDHAN REDDY	G. Madhusudhan Reddy
8	20JE5A2403	KURLIPREM KUMAR REDDY	K. Premkumar Reddy



COURSE COORDINATOR


HOD

HOD
Department of AME
Eswar College of Engineering
Kesanupalli (V), Narasaraopet - 522 601


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Phone No. 9121214708	

Department of AME

Course Name: Value Added Course on Java programming.

Evaluation of the Value-Added Courses

Answer all the Questions Each Question Carry 1 Mark

Total Marks: 20M

Min Marks: 12 Marks

Name of the Student : _____ **H.T. No:** _____ **Marks obtained:** _____

- 1) Which of the following option leads to the portability and security of Java? []
 - a) Bytecode is executed by JVM
 - b) The applet makes the Java code secure and portable
 - c) Use of exception handling
 - d) Dynamic binding between objects


- 2) Which of the following is not a Java features? []
 - a) Dynamic
 - b) Architecture Neutral
 - c) Use of pointers
 - d) Object-oriented

- 3) _____ is used to find and fix bugs in the Java programs. []
 - a) JRE
 - b) JDK
 - c) JDB
 - d) JVM

- 4) Which of the following is a valid declaration of a char? []
 - a) char ch = "\utea";
 - b) char ca = 'tea';
 - c) char cr = \u0223;


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- d) `char cc = '\itea';`
- 5) Which of the following is a valid long literal? []
- a) ABH8097
 - b) L990023
 - c) 904423
 - d) `0xnf029L`
- 6) What is the return type of the `hashCode()` method in the `Object` class? []
- a) `Object`
 - b) `int`
 - c) `long`
 - d) `void`
- 7) What does the expression `float a = 35 / 0` return? []
- a) 0
 - b) Not a Number
 - c) Infinity
 - d) Run time exception
- 8) Evaluate the following Java expression, if `x=3`, `y=5`, and `z=10`: []
- `++z + y - y + z + x++`
- a) 24
 - b) 23
 - c) 20
 - d) 25
- 9) Which of the following tool is used to generate API documentation in HTML format from doc comments in source code?
- a) `javap` tool
 - b) `javaw` command
 - c) `Javadoc` tool
 - d) `javah` command


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10) Which of the following creates a List of 3 visible items and multiple selections abled? []

- a) new List(false, 3)
- b) new List(3, true)
- c) new List(true, 3)
- d) new List(3, false)

11) Which of the following for loop declaration is not valid? []

- a) for (int i = 99; i >= 0; i / 9)
- b) for (int i = 7; i <= 77; i += 7)
- c) for (int i = 20; i >= 2; -i)
- d) for (int i = 2; i <= 20; i = 2* i)

12) Which method of the Class.class is used to determine the name of a class represented by the class object as a String?

- a) getClass()
- b) intern()
- c) getName()
- d) toString()

13) In which process, a local variable has the same name as one of the instance variables? []

- a) Serialization
- b) Variable Shadowing
- c) Abstraction
- d) Multi-threading

14) Which of the following is true about the anonymous inner class? []


- a) It has only methods
- b) Objects can't be created
- c) It has a fixed class name
- d) It has no class name

15) Which package contains the Random class? []

- a) java.util package
- b) java.lang package
- c) java.awt package
- d) java.io package


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- 16) What do you mean by nameless objects? []
- a) An object created by using the new keyword.
 - b) An object of a superclass created in the subclass.
 - c) An object without having any name but having a reference.
 - D) An object that has no reference.
- 17) An interface with no fields or methods is known as a _____. []
- a) Runnable Interface
 - b) Marker Interface
 - c) Abstract Interface
 - d) Char Sequence Interface
- 18) Which of the following is an immediate subclass of the Panel class? []
- a) Applet class
 - b) Window class
 - c) Frame class
 - d) Dialog class
- 19) Which option is false about the *final* keyword? []
- a) A *final* method cannot be overridden in its subclasses.
 - b) A *final* class cannot be extended.
 - c) A *final* class cannot extend other classes.
 - d) A *final* method can be inherited.
- 20) Which of these classes are the direct subclasses of the Throwable class? []
- a) Runtime Exception and Error class
 - b) Exception and Virtual Machine Error class
 - c) Error and Exception class
 - d) IO Exception and Virtual Machine Error class


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