

1.2 Academic Flexibility

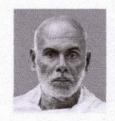
1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

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CHALAKKODE P.O., KOROM, PAYYANUR, KANNUR-670 307



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE / VALUE ADDED COURSES

Sl. No.	DATE	NAME OF THE PROGRAMME	ACADEMIC YEAR
1	15/04/2019 to 19/04/2019	ADVANCED DESIGN TECHNIQUES	2018-19
2	11/05/2020 to 16/05/2020	FUNDAMENTALS OF WATER DISTRIBUTION SYSTEM & DESIGN	2019-20
3	06/12/2021 to 10/12/2021	WATER SYSTEM DESIGN	2020-21
4	04/04/2022 to 08/04/2022	COST ESTIMATION & VALUATION TECHNOLOGIES	2021-22
5	02/05/2023 to 06/05/2023	ADVANCED QUANTITY SURVEYING	2022-23

B. MARY SONIA GEORGE ASSOCIATE PROFESSOR & HOD DEPARTMENT OF CIVIL ENGINEERING SNGCET, PAYYANNUR



Sree Narayana Guru College of Engineering & Technology CHALAKKODE P.O., KOROM, PAYYANUR, KANNUR-670 307



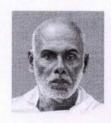
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SI No.	Name of the Program	Starting Date	End Date	Academic Year
1	Web Development Technologies	18/02/2019	22/02/2019	2018-19
2	Trending Perspectives of AI in Robotics	07/04/2020	11/04/2020	2019-20
3	Python	01/03/2021	05/03/2021	2020-21
4	Learn Latex	16/05/2022	20/05/2022	2021-22
5	OS Installation	13/03/2023	17/03/2023	2022-23

and the







ADD ON COURSE DETAILS

Sl. No.	Academic Year	Date	Name of Program
1	2022-23	30/03/23 to 03/04/23	Hands on Training on PCB Design and Fabrication
2	2021-22	08/10/2021 to 12/10/2021	LED Bulb Manufacturing & Soldering Practice Training Program
3	2020-21	10/08/2020 to 14/08/2020	Mastering Hybrid Vehicle Technology
4	2019-2020	27/12/2019 to 31/12/2019	Workshop on Industrial Automation and Introduction to IoT
5	2018-19	26/12/18 to 30/12/18	Crafting With CAD



Sree Narayana Guru College of Engineering & Technology CHALAKKODE P.O., KOROM, PAYYANUR, KANNUR-670 307



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

List of Add On Courses

SI No.	Name of the Program	Starting Date	End Date	Academic Year
1	Hands On Training On Embedded C,C++	25-7-2018	29-07-2018	2018-19
2	Workshop On Digital Image Processing Using Python	04-11-2019	08-11-2019	2019-20
3	Workshop on Internet of Things Using Arduino ,RasberryPi & MQTT	24-05-2021	28-05-2021	2020-21
4	Workshop on Arduino Basics with Hands on Training	06-06-2022	10-06-2022	2021-22
5	Robotics Workshop	02-08-2022	06-08-2022	2022-23

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ENGINEERING & TECHNOLOGY, PAY



DEPARTMENT OF MECHANICAL ENGINNERING

CERTIFICATE/ VALUE ADDED COURSES

S.NO	LIST OF WORKSHOPS	SCHEDULED DATES	ACADEMIC YEAR
1	MASTER-CAM: CNC programming	18 th to 22 nd February 2019	2018-2019
2	Latest trends in Automobile Engineering	18 th to 22 nd November 2019	2019-2020
3	Renewable Energy: Pathways and Technologies	15th to 19 February 2021	2020-2021
4	Additive Manufacturing	18 th to 22 nd October 2021	2021-2022
5	3D Printing	13th to 17th March 2023	2022-23





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DEPARTMENT OF CIVIL ENGINEERING



DEPARTMENT OF CIVIL ENGINEERING

WORKSHOP ON ADVANCED QUANTITY SURVEYING PARTICIPATION LIST

Sl. No.	NAME	SIGNATURE
1	AADITHYA KRISHNAN C	Aadh
2	ABHIRAMY RAJ	Alux
3	AKASH P V	A10-
4	ANANDHU ASHOK K P	Anada
5	ANANJANA C	Atych
6	ANJALI M P	Angal
7	ANJANA C	Div
8	ASHAYA RAMESH	Adre
9	ASWITHA GANGADHARAN	Armenta
10	ATHIRA ARUN K	Allia
11	AYSHATH SAIFA	FIS
12	KRISHNA PRASAD S L	Knuma
13	MUHAMMED HANNAN	W
14	MUHAMMED RUFAID M	22
15	NIKHIL SAI K	AM
16	PRANAV A K	Pratie Pratie
17	PRAYAG PRABHAKARAN	Q194t
18	SACHIN SURENDRAN M	Sour
19	SHAMSHAD PV	Shor

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SREE NARAYANA GURU COLLEGE OF
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY
PAYYANUR, KANNUR

20	SILNA M	Sitre
21	SREEHARI K K	Steelate

Dr. LEENA AV
PRINCIPAL
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SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY
ENGINEERING & TECHNOLOGY
PAYYANUR, KANNUR

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Coordinator

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DEPARTMENT OF CIVIL ENGINEERING

WORKSHOP ON ADVANCED QUANTITY SURVEYING

PARTICIPATION LIST (04/04/2022 to 08/04/2022)

Sl. No.	NAME	SIGNATURE
1	ABHIYUKTHA P V	yeld
2	ADARSH S V	Marsh
3	ADITHYAN D	rathys
4	AKASH ASHOK	wat
5	AKSHAY KRISHNAN	Alexhau
6	AMAL P R	tintae
7	AMRITHA A V	Andhe
8	ANAGHA K	Trage
9	ANJANA T	tryana
10	ANJIMA B P	AND
11	ANUSREE V	9
12	ARJUN DEV	Arm
13	ARYA RAMESH	Asy
14	ASHMITH RAMESH	Ashmith
15	AYSHA NASREEN	الملك
16	AYSHA RIZWANA	Aur
17	DHANUSH C P	Dhamile
18	DILSHA	Likher
19	DRISYA P V	Dight
20	FATHIMA ABDUL KAREEM	Takken 1

21	FATHIMATHUL SANA	Tellation
22	GOPIKA P V	Bophe
23	HIBA FAROOK AYAR	Hiles
24	KAVYA MANOJ	Kutur
25	KIRAN K	Eisen.
26	LAXMI RANJITH	100
27	M JUMANA HASEEN	asuman
28	MITHUNA V P	AUD
29	MOHAMMED NIHAD P V	Nome
30	MUHAMMED MUHSIN T V	Muses
31	NANDITHA BABU	Marsh
32	PRANAV V PRAKASH	Pearles
33	RAHUL P	Kahul
34	REVATHI K	RO
35	RIYAZE KHALID	Pento
36	SAFA AMEER	Sp
37	SAFIYATH A P V	Sing
38	SAFVAN HARIS	Sutva
39	SANAGHA	Sanaghe
40	SANIKA SUJITH	Sanjka
41	SHAFANA SHAFI	Hofan
42	SHARFANA JAFAR	URS.
43	SHAZIN SHAN	Story
44	SHIFANA ASHRAF	Shupe
45	SHIKIL K K	Ekith
46	SHIRIN SADDIQ	Stite

47	SREEMAI BAIJU	Si
48	SREYA KRISHNA K V	Som

Coordinator

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HOD



DEPARTMENT OF CIVIL ENGINEERING

LIST OF PARTICIPANTS

Sl. No.	NAME	SIGNATURE
1	AISWARYA JAYAKUMAR	April
2	AKSHAY C P	ARADAY
3	AMAL RAJ E N	Amal
4	ANJANA K	Angala
5	ANUSHA M	foun
6	ANUSREE K	Anustree
7	ANUSREE M	A. Bee
8	ANUSREE K K	tone
9	ARJUN BABU M	Frien.
10	ATHIRA K V	Athie
11	ATHIRA KRISHNAN K P	Air
12	AYUSHRAJ P P	Augh
13	DRISHYA K	District
14	FARHANA SHERIN K	(a)D
15	FATHIMA ABDHULLA KUNHI	Father
16	GOPIKA G K	Copika
17	HARIKRISHNA SATHYARAJ	daash
18	JINSHA C P	Turs
19	JINSHARAJ K V	Sia N
20	JOYSON MATHEW	Tot Dr. Line

21	K P RAMEZ	800
22	KEERTHANA N	Keeth
23	M P M OMER RIZVI KURIKKAL	A
24	NIHITHA LOHITHAKSHAN K	Nis
25	NILUFAR FATHIMA	New
26	NITHIN T V	AH
27	PRANAV K K	alle
28	PRASHOB KRISHNAN C	PAR
29	RAZMIYATH MOHAMMED RAFI	Rzn
30	SAHADA V P	Settle at 12
31	SAHLA ABOOBACKER	Sahla
32	SAHLA C A	SaRe
33	SARATH P P	Sugar
34	SHIFA AMEER	Shifa
35	SNEHA P V	Suha
36	SREYA JAYARAJAN M K	3 maga
37	SUDHINA RAJ K	Sachi
38	VARNA A	Yama
39	VIDYA BALAKRISHNAN K P	Diagen
40	VISHNU VIMAL	Diagon Tish

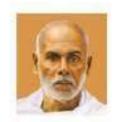
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CHALAKKODE P.O., KOROM, PAYYANUR, KANNUR-670 307

COMPUTER SCIENCE AND ENGINEERING



SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR -2022-23

FIVE DAY WORKSHOP ON OS INSTALLATION - 13/3/2023 TO 17/3/2023

STUDENTS LIST

SL.NO.	REGISTER NO.	NAME	SIGNATURE
1	SNC22CS005	ABHINAV P P	基
2	SNC22CS013	AKHIL SANTHOSH	d2
3	SNC22CS015	AMARNATH BALAN C	Aug.
4	SNC22CS017	ANUNANDA V K	Aud
5	SNC22CS018	ANURAG C P	As-
6	SNC22CS019	ANUSREE RATHEESH	Amer
7	SNC22CS020	ANUSRUTHI K MANOJ	Hand I was a series of the ser
8	SNC22CS021	ARCHANA P V	Anla
9	SNC22CS024	ASWIN RAJ	derive.
10	SNC22CS025	AVANI C	Q4
11	SNC22CS027	FATHIMA HASHIM	Tolling.
12	SNC22CS031	GOPIKA V	Catal
13	SNC22CS032	HANNA R P	Hand Co
14	SNC22CS033	HARIKRISHNAN K	143
15	SNC22CS037	MANJIMA A N	Maria
16	SNC22CS041	MEGHNA MANOJ	And.
17	SNC22CS043	MOHAMMED MAZIN K V	1 des

18	SNC22CS045	MUBASHIR K C	Sp.
19	SNC22CS047	MUHAMMED AMRE ASHRAF	And.
20	SNC22CS049	NAAZ ABDUL JALEEL	Noord
21	SNC22CS050	NANDANA K P	Dandaha
22	SNC22CS052	NEHA MANU	dull
23	SNC22CS053	NEHA RAMESH	Hata
24	SNC22CS056	NIHARIKA P	MA
25	SNC22CS057	PRITIKA NITTUR	Miles No.
26	SNC22CS058	ROSLIN JIMMY	RST!"
27	SNC22CS059	SANGEERTH SAJEEV	Sang
28	SNC22CS060	SHAHANAS CP	W.
29	SNC22CS063	SREEHARI M	Silve
30	SNC22CS064	SREELAKSHMI E	Sol
31	SNC22CS065	VYSHNA SHAJI	Justine

Vimisha M.K Event Coordinaters

Swed-hund/use



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR -2021-22

FIVE DAY WORKSHOP ON LEARN LATEX – 16/5/2022 TO 20/5/2022

STUDENTS LIST

SL.NO.	REGISTER NO.	NAME	SIGNATURE
1	SNC19CS001	AATHISH P JAGADEESH	ARA
2	SNC19CS002	ABHINAV.A.P	Athur
3	SNC19CS003	AHMED ADIL	Im
4	SNC19CS004	AJMAL	ganl
5	SNC19CS005	ALTHAF ASHRAF.K.V	AHAGE
6	SNC19CS015	HRYSHIKA PRADEEP	-trul
7	SNC19CS016	JEEVA NARAYANAN	Jeens
8	SNC19CS017	KAVYA DEVI.M.K	KERE
9	SNC19CS018	MANILA MAHESH	Me
10	SNC19CS019	MEGHA.P.K	Make
11	SNC19CS034	SREENANDANA.T.V	Suca
12	SNC19CS035	SREENISHA.K.P	Sun
13	SNC19CS036	THANMAYA SANJEEV	20-
14	SNC19CS037	THANYA MOHAN	2 hr
15	SNC19CS038	THEJA RAJESH	Theyer
16	SNC19CS042	VISHNU.R	Ast
17	SNC19CS043	V.K.AYSHA	dupla
18	LSNC19CS044	ABHIJITH RAMRAJ P K	ARA CONTRACTOR OF THE PARTY OF
19	LSNC19CS046	JIJO JAISON PRINCIPAL	STATE.
20	LSNC19CS045	ADARSH KANYANI IN TECHNOLOGY	Adarsh



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

WEB DEVELOPMENT TECHNOLOGIES

A WORKSHOP ON WEB DEVELOPMENT TECHNOLOGIES

STUDENT LIST

SL NO.	REG NO.	NAME	SIGNATURE
1	SNC16CS001	АВНІЛІТН К	Aldryth
2	SNC16CS002	ABHINAV DIVAKARAN	Horizan
3	SNC16CS004	ADARSH KUMAR O.V	Adaysta
4 .	SNC16CS005	AISWARYA AV	Aesaugu
5	SNC16CS007	AKSHAY T	R.
6	SNC16CS012	ASHNA RAGESH	sha
7	SNC16CS013	ASWIN SADANAND	五
8	SNC16CS014	ATHULYA K P	Athan
9	SNC16CS017	EBRAHIM SAINUDHEEN	Emb.
10	SNC16CS020	GOPIKA SURESHBABU P	(G)
11	SNC16CS023	JAISHNA JAYASENAN	Janha
12	SNC16CS025	MOHAMED SHUJAATH SHAFEER VT	Sheet.
13	SNC16CS026	MOHAMMED ANFAZ	M
14	SNC16CS032	P ABHIJITH MOHANAN	low.
15	SNC16CS033	PATHMASANA K P	Patens
16	SNC16CS037	SANJANA P	Suranul
17	SNC16CS042	SREELAKSHMI PV	8000
18	SNC16CS043	VAISHAK A P	(Jashped)
19	SNC16CS044	VARUN V	Starting
20	LSNC16CS046	VIPEESH T	Vite.

Seresay **Event Co-ordinator**

Dr. LEENAAV





CHALAKKODE P.O., KOROM, PAYYANUR, KANNUR-670 307

ELECTRICAL AND ELECTRONICS ENGINEERING

SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING HANDS ON TRAINING ON PCB DESIGN AND FABRICATION **Registration Form** Venue: Led Bulb Date: 30/03/2023 to 03/04/2023 Manufacturing Unit Name of Students Semester Branch SI.No **SIGNATURE** 1 VYSHNAV TV **S8** EEE 2 DEVI KEERTHANA **S8** EEE 3 ASWATHI PP **S6** EEE 4 ADHIN O **S4** EEE 5 ANURAJ N S4 EEE **S4** EEE 6 NIHAD T 7 ADITHYA K S2 **EEE** S2 8 DIYA KC **EEE** 9 ANUVIND NK S2 **EEE** Megonay S2 10 **VISMAYA** EEE

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	EE NARAYANA GURU COLL TECHNOI MENT OF ELECTRICAL ANI	LOGY		
LED BU	ULB MANUFACTURING & SOI PROGRA		CE TRAINING	
	Registratio	n Form		
Date:8/10/2	2021 to 12/10/2021		b Manufacturing nit	
Sl.No	Name of Students	Semester	Branch	Signature
1	ABHINAV C	S3	EEE	Shanans
2	ASWATHI PP	S3	EEE	ashur
3	AMAL KP	S1	EEE	James
4	HRISHIKESH	S1	EEE	Skolulis
5	SHINOY BIJU	S1	EEE	Smry
6	ANUSHA JYOTHI	S5	EEE	Angel
7	VISHAL	S5	EEE	298
8	P P NIDHIN RAJ	S7	EEE	Pkor
9	ASWANTH VALSAN MV	S7	EEE	Derby
10	NIHAD T	S5	EEE	whid

(to-ordinator)

Trong LEE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FIVE DAY WORKSHOP ON INDUSTRIAL AUTOMATION AND INTRODUCTION TO 10T

Registration Form

ate: 27/12/2019 to 31/12/2019		Venue: Software Lab		
Sl.No	Name of Students	Semester	Branch	signatuı
1	SNC15EE011 - SANJAY GANGAN K	S7	EEE	Contan
2	SNC16EE001 -AJAY P	S7	EEE	Jan D
3	SNC16EE002 -DEVIKA SATHISH	S7	EEE	Dowken
4	SNC16EE003 -KIRAN RAJI VIJAYAN	S7	EEE	Almo
5	SNC16EE005 -MUHAMMED NAZEEM M	S7	EEE	Ne
6	SNC16EE007 -SHINITH K.V	S7	EEE	2 milion
7	SNC16EE008 - SIDHARTH PT	S7	EEE	The
8	SNC16EE009 -VAISHNAV P	S7	EEE	alm
9	SNC17EE001-ANUSREE PRAKASH	S5	EEE	Alm
10	SNC17EE002 -GAGANA V	S5	EEE	amar
11	SNC17EE003 - GREESHMA P	S5	EEE	Carton
12	SNC17EE004 -MANASA K	S5	EEE	Money
13	SNC17EE005 - MEGHARAJ C H	S5	EEE	mg
14	SNC17EE006 -MUHAMMAD NABEEL	S5	EEE	Naher
15	SNC17EE007 -VAISHAKH M.M	S5	EEE	ama
16	SNC17EE008 -VIVEK VALSAN	S5	EEE	The state of the s
19	SNC17EE009 - YADUKRISHNAN V V	S5	EEE	Rome

Co. Ordinator

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CRAFTING WITH CAD - A 5 DAYS WORKSHOP

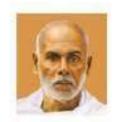
Registration Form

Date: 26/12/2018 to 30/12/2018		Venue: Software Lab		Signature
Sl.No	Name of Students	Semester	Branch	And
1	SNC15EE001 P P V AJMAL	S7	EEE	Akahu
2	SNC15EE002 AKSHAY M NAMBIAR	S7	EEE	Anneg
3	SNC15EE003 ANAGHA ASHOKAN	S7	EEE	Colon &
4	SNC15EE004 ANSAB K P	S7	EEE	mary
5	SNC15EE006 ASWINRAJ. T	S7	EEE	Mind
6	SNC15EE007 MUHAMMED IRSHAD	S7	EEE	Ninfm
7	SNC15EE008 NIDHIN NANDAKUMAR	S7	EEE	Low
8	SNC16EE004 LAJEESH KUMAR K P	S5	EEE	latere
9	SNC16EE001 AJAY P	S5	EEE	La .
10	SNC16EE002 DEVIKA SATHISH	S5	EEE	Deente La
11	SNC16EE003 KIRAN RAJI VIJAYAN	S5	EEE	Jonys

Conductor

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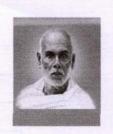




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ELECTRONICS AND COMMUNICATION ENGINEERING





(PROMOTED BY SREE BHAKTHI SAMVARDHINI YOGAM, KANNUR) CHALAKODE P.O., PAYYANUR, KANNUR-670307, KERALA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING Robotics Workshop

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Sl.No	Name	Signature
1	ATHUL S	Afric.
2	ANUSREE N	Sauene
3	AKARSH KRISHNA	A Cal
4	YUVN SHANKAR	Y000-
5	SINI MOL PP	Senset.
6	SNEHA T	0
7	VARADA B	Svetne
8	LAKSHMI	Vasue
9	HARISREE K	Had
10	DIYA M	Duto
11	ZAHA FATHIMA	Zar.
12	SREEHARI TV	Sunto a
13	AKASH KRISHANAN	AQ.
14	SIDHI T	Sol-
15	ARADHYA SURESH	An
16	ASWATHI P	A. (III)
17	SHAMNAS S	Plan res
18	AARYA M S	Nan-
19	FATHIMATHUL FIDA P K	Fielly St.
20	JAGAN MOHAN	Own -
21	MOHAMMED NAAZ	Xuk
22 .V .A	THANYA M S	John H.

SPEE MARKYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY, PAYTAVAIR KARINUR

HOD ECE

ENGINEERING & TECHNOLOGY, PAYYANUR KANNUR

Event Coordinator

23	FATHIMATHUL NIDHA P	hour.
24	SREELAKSHMI C	huld.
25	ANUSREE TK	de
26	MALAVIIKA P	Malaula.
27	SHREYA S	Spa.
28	NI, ISHA SAJEEV	Shee.
29	MEGHANA S	Maghra 8
30	KEERTHI T	Storeth

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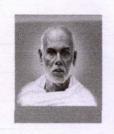
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ENGINEERING & TECHNOLOGY, PAYNERIR

Dr. LEENA A.V. PRINCIPAL SKE MARAYAN CHAUCOLEGE OF

KARHUR





(PROMOTED BY SREE BHAKTHI SAMVARDHINI YOGAM, KANNUR) CHALAKODE P.O., PAYYANUR, KANNUR-670307, KERALA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING workshop on Arduing basis with tlands on Training STUDENTS LIST

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2	AKSHAY P	Aalah .
3	ANGEL MARY	Should
4	ANN MARIYA	Jas Eu
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6	AKASH B	.
7	ABAY DEV	Ab sp.
8	AKHIL K	dela
9	ASWATHI C	Ø.
10	ANU M	Anomb:
11	DHRUV D K	20
12	ЛІЛТН Р K	Jak Her.
13	RENJITH K	Regal
14	RONNY K	Dud
15	RAHUL K K	Dallo.
16	REMYA B	As .
17	RASHA FATHIMA K	Som
18	NASLA FATHIMA P V	Albu-
19	SANVI SARATH	Sult,
20		DA POY
21	SUDHIN C P	Rida.
22	SOUJISHA KK	0,-

PRINCIPAL SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY, PAYYANUR KANNUR

23	SHAHASAD	Sha de -
24	SUNISH	all.
25	SISIRA SREEKUMAR	
26	SHIVARANJINI	2.1
27	KARTIK	Jacks-
28	ATHUL KUMAR	MAN NEW TON
29	AJAYPK	dum.

EVENT COORDINITOR

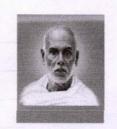
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Dr. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYYANGR
KANNUR

DV. LEENA A. V.
PRINCIPAL
SREENARAVAA OURU COLLEGE OF
ENGINEERING & TECHNOLOGY PAYYAM
VAHILIR
VAHILIR





(PROMOTED BY SREE BHAKTHI SAMVARDHINI YOGAM, KANNUR) CHALAKODE P.O., PAYYANUR, KANNUR-670307, KERALA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

STUDENTS LIST

		Signature
Sl.No	Name	
1.	ABHISHEK C	Alaba
2.	MUBASHIR K C	Mubarka
3.	ABHIJITH J	Abbe Abbe
4.	NANDANA K P	Narda
5.	SMEYA SAJITH	Errayalt.
6.	FAIHA ROUF	- Fahillet
7.	ABHIRAG P	Alle.
8.	MUHAMMED RAZI VK	Pazi
9.	AGRAJ M	(.
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11.	MANJUSH PREM KUMAR	Harron .
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14.	AMARNATH BALAN C	Amas Nath -
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26.	SABIN M	Sa.
27.	NANDU KRISHNA	Naus:
28.	MUHAMMED SHAMMAS K	Muhamana.
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30.	MUHAMMED FAHAD MP	NAPINA .
31.	SREYAS MANOHARAN	Inought.
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37.	SREYA M	100
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39.	VISMAYA VINOD K	Ada .
40.	SWEJA P	Sweley

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DEPARTMENT OFELECTRONICS AND COMMUNICATION ENGINEERING

DIGITAL IMAGE PROCESSING USING PYTHON

STUDENT LIST

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1.	AFEEFA K	db-
2.	ANAGHA P	Jack .
3.	ANJALI BABU K	2 Calo
4.	ASWATHI KT	Hud
5.	ATHENA ANIL	Ale
6.	ATHULYA KC	Also.
7.	HARSHA SHANKAR	Hasse.
8.	KP ANUPRIYA	Ande.
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15.	ASHNA SHIBURAJ	doco-
16.	ASHWIN K RAJ	Out.
17.	ASWATHI.M.V	Denline
18.	GOPIKA RAJ NAMBIAR	Cipla.
19.	MOHAMMED SHAZ	PLANT PUCCOLEGE
		SREENARAYANUR, KAMMUR

20.	SAYOOJ.K	doylet.
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22.	SREEROOP PRASAD	du.
23.	T.P.MALAVIKA SAJEEV	Halan.
24.	VISMAYA MANOHARAN	Youngs.
25.	ASWATHI ASHOKAN	A
26.	ARYA.A	Arys -
27.	KARTHIKA.T	kou.
28.	RASHMITHA K	Dette.
29.	ASWATHI ASHOKAN	Almak.
30.	DHANUSH PUTHALATH	- Dank
31.	HRITHIKA.K.V	Howle
32.	MABITHA.C	March.
33.	REMNA.P	Research
34.	SNEHA SURENDRAN.N	In elm.
35.	VRINDA RAMACHANDRAN K	<u> </u>
36.	ARJUN ASHOK K	Ace Ash
37.	JITHIN SASIDHARAN NV	Sheet .
38.	KEERTHANA CV	D .
39.	MARIYAMBI	M.
40.	SANISHMA SACHITHANAND	Lenker

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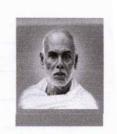
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SREENGINEERING & TECHNOLOGY

PAYYANUR. KANNUR

ENGINEERING & TECHNOLOGY





(PROMOTED BY SREE BHAKTHI SAMVARDHINI YOGAM, KANNUR) CHALAKODE P.O., PAYYANUR, KANNUR–670307, KERALA

Hands on Training Embedded CC++

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Sl.No	Name	Signature
1	Adarsh Prakash	due.
2	Aswathi Sreekanth	Alle.
3	Gopika C	Copyla
4	Rithin Ramesh	Dane
5	Shabna Melath Babu	Du
6	Sheona Sathish	8D.
7	Sruthi T K	A.
8	Afeefa K	De
9	Anagha P	Sel
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11	Aryasree Vijayaraj D	de ,
12	Aswathi K T	du-
13	Athena Anil	do.
14	Athulya K C	A Bala.
15	Harsha Sankar	10.
16	Sudeep K S	dia.
17	Vipin P V	Vibe
18	Vismitha Pramod	Variety
19	Anjana P M	Avjanes
20	Asha Shiburaj	gara.
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22	Gopika Raj Nambiar 10 303 100 100 100 100 100 100 100 100	V Orden

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27	Karthika T	task.
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30	Dhanush Puthalath	hand.
31	Hrithika K V	her.
32	Mabitha C	Man.
33	Vrinda Ramachandran	Vande
34	Mr. Raveendran K	Duase
35	Ms. Namitiia Narayanan	Navel
36	Ms. Leena-Narayanan	Lung-
37	Ms. Roshni V V	Joshum
38	Ms. Kavya Vinod	AMB
39	Ms. Amrutha M V	Joon .

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DEPARTMENT OF MECHANICAL ENGINEERING



SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

5 DAY WORKSHOP ON 3D PRINTING PARTICIPATION LIST

S.NO	NAME	SIGN
1	ADARSH.P.K	dara
2	ADWAIDH BALAN	Adulal
3	ANURAG A	RAN
4	ASWANTH.C	Ajoste
5	ATHUL.B	All
6	BIPIN.K	ABan
7	FARHAN.C	Total
8	JASIN.P	Steel
9	MOHAMMED AAFIL ISMAYIL.M.K	Muhau
10	MRIDUL.C	soldhel
11 .	NITHIN.A	Nath
12	SANDESH K DINESH	South
13	ARJUN SHYLESH	Popul
14	ASHISH K	Ah
15	ASHWIN JOHN	Ashra El
16	ASWIN BABU M V	AshroB
17	MOHAMMED SHAD ABDUL SATHAR	hold
18	SOURAG K	Jones
19	ARJUN SHYLESH	And
20	ASHISH K	Achiel

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SREE NARAYANA GURU COLLEGE OF ENGINEERING & **TECHNOLOGY** DEPARTMENT OF MECHANICAL ENGINEERING

5 DAY WORKSHOP ON LATEST TRENDS IN AUTOMOBILE ENGINEERING

PARTICIPATION LIST

SL.NO	NAME	SIGN
1	ADWAITH J	Adwate
2	ANWAR HUSSAIN	Amaly
3	ABHISHEK M	Hattita
4	ADARSH PP	Adam
5	AKSHAY KANDOTH	Alexander
6	AMARNATH M	Amount
7	ASHAKH S	Ashall
8	GOKUL RETHNAKARAN	Kal
9	NIHAL HEMANTH	ALLEY
10	PRAJIN PRABHAKARANT	Prof
11	PRASAD KK	Park
12	RAHUL KRISHNAN KP	RIE
13	SHAROON MP	Shut
14	SIDDHARTH M	Bucky

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DEPARTMENT OF MECHANICAL ENGINEERING

5 DAY WORKSHOP ON MASTERCAM: CNC PROGRAMMING

PARTICIPATION LIST

S.NO	NAME	SIGN
1	AJIL ASOKAN	Tiel
2	AKASH P	Ada
3	AMAL G	A
4	AMAL RAJ	Jados-
5	MUBASHIR. V.K	La de
6	MUHAMMAD SIRAJUDHEEN	Su
7	MUHAMMED MUHSIN M	Males.
8	NASIF K P	Nout -
9	RAMITH RAVINDRAN	Balan
10	SALMANUL FARIS	Colte
11	SANJAY KRISHNAN	-Saul
12	SAURAVB	Same
13	VISHNU RAJAN E	Nohe-
14	VYSHNAV M K	- Var
15	ZAMNAAD KUNHAHAMED	Tamed

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DEPARTMENT OF CIVIL ENGINEERING



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DEPARTMENT OF CIVIL ENGINEERING

WORKSHOP ON ADVANCED QUANTITY SURVEYING

SYLLABUS

1. GENERAL

- a) Tender Documents
- b) Drawings
- c) Civil & Mep Dwgs
- d) Architectural Drawing
- e) Structural Drawing
 Column Layout, Foundation Layout, Tiebeam Layout/Gf, Layout First Floor
 Frame Layout, Roof Frame, Layout Structural Details: Rein & Size
- f) Items Concrete
- g) Scope Of Works Civil Contractor
- h) Foundations
- i) Beams

2. COST

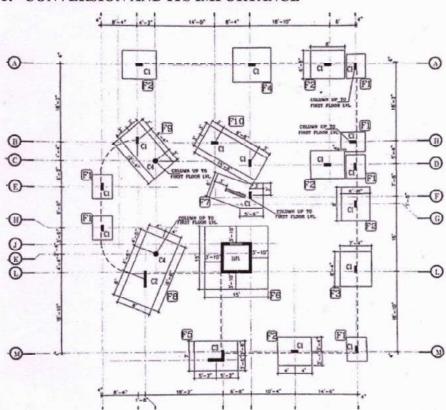
- a) Material Cost
- b) Unit Cost
- c) Labour Cost
- d) Project Cost
- e) Cost Variance

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3. CONVERSION AND ITS IMPORTANCE



SCHEDULE OF FOOTINGS

CONTRACTOR OF THE PARTY OF THE		REINFORCEMENT			
munn	SIZE (LBD)	LONG SPAN STEEL		SHORT SPAN STEEL	
TYPE		воттом	TOP	воттом	TOP
F1	5'-8"x4'-8"x16"	Y12@6"c/c		Y12@6"c/c	
F2	6'-8"x8'-0'x20"	Y10@6"c/c		Y10@6"c/c	
F3	8'-4"x7'-4"x20"	Y10@5"c/c		Y10@5"c/c	
F4	9'-0"x8'-0"x20"	Y12@4"c/c		Y12@4"c/c	
F5	10'-4"x7'-0"x20"	Y12@4"c/c		Y12@4"c/c	
F6	15'-0"x15'-0"x20	"Y16@5"c/c	Y16@5"c/c	Y1605"c/c	Y16@5"c/c
F7	AS/DWG.x20"	Y12@6"c/c	Y12@6"c/c	Y12@6"c/c	Y1206"c/c
F8	16'-6"x8'-0"x20"	Y1204"c/c	Y1204"c/c	Y12@4"c/c	Y12@6"c/c
FS	12'-4"X6'-0"x20"	Y12@4"c/c	Y1204"c/c	Y12@4"c/c	Y10@4"c/c
F10	15'-8"X6'-0"x20"	Y1204"c/c	Y12@4"c/c	Y1204"c/c	Y10@4"c/c

4. COMPOUND WALL SEQUENCE

- a. Excavation.
- b. Compaction
- c. Roadbase
- d. Compaction
- e. PCC

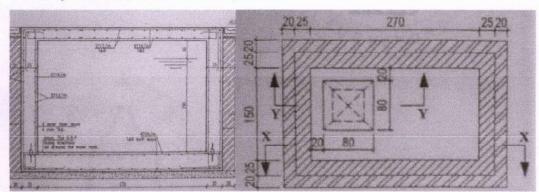
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- f. Foundation
- g. Neck Columns
- h. Solid blocks
- i. Tie Beams
- j. Bitumen
- k. Backfilling
- 1. Hollow Block Works
- m. Stiffener Columns
- n. Coping Beam
- o. Plastering

5. WATER TANK

- a) Water Tank Materials
- b) Water Tank Man
- c) Machinery
- d) Sequence Water Tank
- e) Common Mistakes Reinforcement



SECTIONPLAN

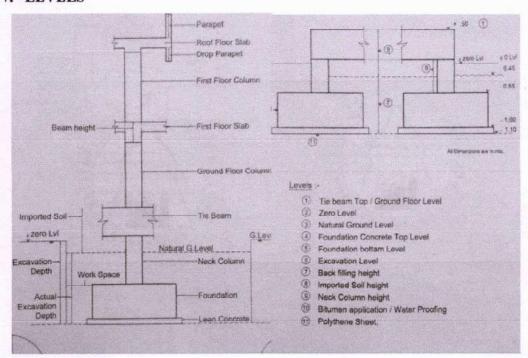
6. BLOCK WORKS

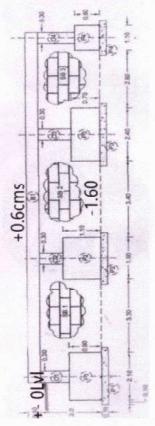
- a) Thermal Insulated
- b) Hollow Blocks
- c) Solid Blocks
- d) Horldy Blocks
- e) Autoclaved Aerated Block
- f) Bed Joint

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7. LEVELS





	LEVELS	
	Ground Floor or Interlock Lvl: Olvl	
	Tie Beam Top Level: +0.60cms	
	Foundation Bottam Level: -1.60	
	FIND OUT	
1	Excavation Bottam Level	
2	Pcc bottam Level	
3	Pcc Top Level	
4	All Foundation Bottam Level	
5	Fdn F1 Top Level	
6	Fdn F2 Top Level	
7	Fdn F3 Top Level	
8	Fdn F4Top Level	
9	Neck Column NC1 Top Level	
10	Neck Column NC2 Top Level	
11	Neck Column NC3 Top Level	
12	Neck Column NC4 Top Level	
13	Tie Beam Bottam Level	
14	Solid Block Top Level	

Coordinator

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SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

WORKSHOP ON ADVANCED QUANTITY SURVEYING

(04/04/2022 to 08/04/2022)

SYLLABUS

1. GENERAL

- a) Tender Documents
- b) Drawings
- c) Civil & Mep Dwgs
- d) Architectural Drawing
- e) Structural Drawing
 Column Layout, Foundation Layout, Tie beam Layout/Gf, Layout First Floor
 Frame Layout, Roof Frame, Layout Structural Details: Rein & Size
- f) Items Concrete
- g) Scope Of Works Civil Contractor
- h) Foundations
- i) Beams

2. COST

- a) Material Cost
- b) Unit Cost
- c) Labour Cost
- d) Project Cost
- e) Cost Variance
- 3. FUNDAMENTALS OF QUANTITY SURVEYING
- 4. ADVANCED MEASUREMENT TECHNIQUES
- 5. COST ESTIMATION AND ANALYSIS
- 6. SOFTWARE APPLICATIONS IN QUANTITY SURVEYING
- 7. CASE STUDIES AND PROJECT PRESENTATIONS
- 8. COMPOUND WALL SEQUENCE
 - a. Excavation.
 - b. Compaction
 - c. Roadbase
 - d. Compaction

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- e. PCC
- f. Foundation
- g. Neck Columns
- h. Solid blocks
- i. Tie Beams
- j. Bitumen
- k. Backfilling
- 1. Hollow Block Works
- m. Stiffener Columns
- n. Coping Beam
- o. Plastering

9. WATER TANK

- a) Water Tank Materials
- b) Water Tank Man
- c) Machinery
- d) Sequence Water Tank
- c) Common Mistakes Reinforcement

10. BLOCK WORKS

- a) Thermal Insulated
- b) Hollow Blocks
- c) Solid Blocks
- d) Horldy Blocks
- e) Autoclaved Aerated Block
- f) Bed Joint

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DEPARTMENT OF CIVIL ENGINEERING

WORKSHOP ON WATER SYSTEM DESIGN

(11/05/2020 to 16/05/2020)

SYLLABUS

DAY	TOPICS
Day I	Water System – Introduction – Environmental Impact Assessment - Planning Principles Population and Demand Rates Demand Calculations
Day 2	System Component - Water Treatment Plants, Pumping Stations, Transmission Mains and Distribution Systems
Day 3	Design Hydraulic Modelling and Analysis - Network Design Economic Calculations Water Hammer Analysis and Pipe Selection Longitudinal Section, Valves and Appurtenances
Day 4	Water System Component - Estimation and Rate
Day 5	Construction Management - Site Mobilization and Laydown area Construction Activities - Valuation and Bill Payment - Quality Control

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DEPARTMENT OF CIVIL ENGINEERING

WORKSHOP ON

FUNDAMENTALS OF WATER DISTRIBUTION SYSTEM & DESIGN (11/05/2020 to 16/05/2020)

SYLLABUS

Water System Design Components

Introductory concepts, basic system components, heat transfer in hydronic systems and load systems.

Piping System Design

Basic considerations, design philosophy, sizing piping, and flow rate measurement.

Pipe Materials and Fittings

Pipe materials, corrosion, valves and fittings, backflow-prevention devices, and pipe selection.

Centrifugal Pumps

Types of pumps, pump selection and system design considerations.

Terminal Unit Performance and Control

Types of terminals, performance and control, system control characteristics, and system control configurations.

Expansion Tanks and Air Elimination

Open and closed water systems, hydronic accessories, and sizing expansion tanks.

Piping System Development

Piping system design, direct return analysis, primary-secondary analysis, types of pumps and valves, primary-secondary application study, antifreeze solutions for low temperature applications, and pumping design factors.

Matching Pumps to Systems

Matching the pump to the system, parallel pumping, series pumping, standby pumps, trimming pump impellers, two-speed pumping, variable speed pumping and source distribution pumping.

Water Chillers and Load Control

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Basic water chiller components, refrigeration cycle, heat transfer chiller, refrigeration power, chiller types and control, chiller piping arrangements, chiller energy performance and thermal storage.

Design Of Structures

Design parameters

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DEPARTMENT OF CIVIL ENGINEERING

WORKSHOP ON ADVANCED DESIGN TECHNIQUES

SYLLABUS

DAY	TOPICS
	Introduction - Environmental Impact Assessment - Planning
Day 1	Principles Population and Demand Rates Demand Calculations
	Water Treatment Plants, Pumping Stations, Transmission Mains
Day 2	and Distribution Systems
	Design Hydraulic Modelling and Analysis - Network Design
Day 3	Economic Calculations Water Hammer Analysis and Pipe Selection
	Longitudinal Section, Valves and Appurtenances
Day 4	Water System Component - Estimation and Rate
	Site Mobilization and Laydown area Construction Activities -
Day 5	Valuation and Bill Payment - Quality Control

Coordinator

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COMPUTER SCIENCE AND ENGINEERING



SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY,

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FIVE DAY WORKSHOP ON OS INSTALLATION

SYLLABUS

SL.NO:	TOPICS
	INTRODUCTION TO FUNDAMENTALS OF COMPUTER ARCHITECTURE
	Basic of Computer components and computer architecture
	Hardware and Software
1	Hardware Components
	Application software and System software
	HANDS ON SESSION ON HARDWARE COMPONENTS
2	Familiarization of hardware components
2	 Hands on session to know the components, how to connect each component in a system
	OS INSTALLATION
	• Familiarization of various softwares
3	Computer Specification
	Introduction to operating Systems
	Installation procedure
	HANDS ON SESSION ON OS INSTALLATION
	Identifying the hardware requirements
	Pre installation process
4	Installation Procedure
	Post installation task
	• Troubleshooting
	Back up Recovery
	HANDS ON SESSION ON OS INSTALLATION
5	Installation of Windows / Ubuntu

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FIVE DAY WORKSHOP ON LEARN LATEX

SYLLABUS

SI. No	TOPIC
1.	Introduction to LaTeX
	Basic document structure
	Set up a LaTeX environment
	To create a simple documents
2.	Document Formatting
	Text formatting
	Page layout
	Creating lists, tables, and figures
3.	Mathematical Typesetting
	 How to write mathematical equations using LaTeX syntax
	Practical examples and exercises
4.	Referencing and Citations
	Bibliography management using BibTeX or BibLaTeX
	To create custom citation styles
	Managing multiple bibliographies
5.	Advanced LaTeX Features
	 How to create templates, customizing document layouts, using packages for specialized tasks
	Collaboration using version control systems

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SREE NARAYANA GURU COLLEGE OF ENGINEERING

& TECHNOLOGY DEPARTMENT OF COMPUTER SCIENCE AND ENGINNERING

Online Workshop on Python

SYLLABUS

SI. No	Topic	
1	 Python data types Python basic syntax popular libraries in python Software used in python and organizations used python 	
2	How to install pycharm Installation and configuration of pycharm Introduction to pycharm	
3	Basics of BS- python shell Basic concepts of python shell installation of python control structure looping statements used in python	
4	Introduction to list CS list various list functions range, cs for loop Functions used in python	
5	Coding Challenges	

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&TECHNOLOGY DEPARTMENT OF COMPUTER SCIENCE AND ENGINNERING

Online Workshop on Trending Perspective of AI in Robotics

SYLLABUS

Sl. No	Topic
	Introduction to AI in Robotics
1	Overview of AI and Robotics
	Historical perspective and evolution
	Basic concepts: Machine Learning, Deep Learning, Reinforcement Learning
	Ethical considerations and societal impacts
	AI Algorithms for Robotics
	 Perception algorithms: Computer Vision, LiDAR, Sensor Fusion
2	Localization and Mapping (SLAM)
-	Path planning and Navigation
	Control algorithms: PID, MPC, Reinforcement Learning for control
	Cutting-edge Research and Future Directions
	State-of-the-art research in AI and Robotics
3	 Emerging trends: Swarm robotics, Soft robotics, Bio-inspired robotics
3	Challenges and open problems
	Opportunities for innovation and entrepreneurship
	Advanced AI Techniques in Robotics
	Deep Reinforcement Learning for robotics
4	Transfer learning and domain adaptation
-	Human-robot interaction
	Explainable AI in robotics
	Applications of AI in Robotics
	Industrial robotics: Automation, Manufacturing
5	Service robotics: Healthcare, Hospitality, Retail
3	 Autonomous vehicles: Cars, Drones, Underwater vehicles
	Agricultural robotics: Precision farming, Harvesting robots

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

WEB DEVELOPMENT TECHNOLOGIES

A WORKSHOP ON WEB DEVELOPMENT TECHNOLOGIES

SYLLUBUS

SI.No	TOPIC
1	Introduction to web technologies
	HTML (Hypertext Markup Language)
	CSS (Cascading Style Sheets)
	JavaScript
	Web Browsers
	Web Servers
2	Markup Language-HTML
	HTML-Basic rules
	Syntax
	DOM Structure
	Tags and Meta Tags
	Forms and Input Elements
	 Multimedia Integration (e.g., images, videos, audio)
	• Tables
	Lists (Ordered and Unordered)
	Hyperlinks and Anchors
	Comments in HTML
3	CSS- Cascading Style Sheets
	Selectors
	CSS Box Model
	Typography
	Colors and Backgrounds
	Layouts (e.g., Flexbox, Grid)
	Responsive Design
	CSS Transitions and Animations
	CSS Frameworks (e.g., Bootstrap)
1907	Media Queries
	CSS Variables (Custom Properties)
	Browser Compatibility
4	JavaScript
-	Variables and Data Types
	Functions and Control Flow
	Arrays and Objects
	DOM Manipulation and Events
	Asynchronous JavaScript and Promises
5	Frameworks
7	Types of Frameworks (e.g., front-end, back-end, full-stack)
	Popular Front-End Frameworks (e.g., React, Angular)
	Popular Back-End Frameworks (e.g., Keact, Angular)
	• Full-Stack Frameworks
	Pros and Cons of Using Frameworks
	MVC (Model-View-Controller) Architecture in Frameworks

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ELECTRICAL AND ELECTRONICS ENGINEERING

SYLLABUS

PCB Design and Fabrication

Day 1: Introduction to PCBs and Basic Design Concepts

Morning Session:

Introduction to Printed Circuit Boards (PCBs): Definition, importance, and applications.

Overview of the PCB design process: From schematic to layout.

Introduction to common PCB design software tools (e.g., Eagle, Altium, KiCad).

Afternoon Session:

Understanding basic design concepts:

PCB layers: Types and functions.

Component placement: Considerations and best practices.

Introduction to routing traces: Signal paths, trace width, and clearance.

Day 2: Advanced PCB Design Techniques

Morning Session:

Understanding PCB layer stack-up: Importance and configuration.

Signal integrity considerations: Impedance matching, signal integrity analysis.

Designing for EMI/EMC compliance: Grounding techniques, signal shielding.

Afternoon Session:

High-speed design principles: Differential pairs, controlled impedance routing.

Design for manufacturability (DFM) guidelines: Design rule checks (DRC), panelization.

Day 3: PCB Design Software Proficiency

Morning Session:

Practical session: Hands-on training with PCB design software.

Familiarization with the user interface, toolbars, and shortcuts.

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Creating schematics: Adding components, connecting nets.

Afternoon Session:

Layout design: Placing components, routing traces, ground planes.

Introduction to design constraints and design rules.

Day 4: PCB Fabrication Process

Morning Session:

Overview of the PCB fabrication process: Steps involved from design to finished board.

Understanding Gerber files: Format, layers, and their role in fabrication.

Selection of PCB materials: Types, properties, and considerations.

Afternoon Session:

Design optimization for fabrication: Panelization, copper weight, solder mask considerations.

Introduction to PCB assembly (PCBA): SMT vs. Through-hole, assembly techniques.

Day 5: Hands-On Fabrication and Design Review

Morning Session:

Hands-on practical session: Participants design their PCB layouts using software.

Guidance provided on optimizing designs for fabrication and assembly.

Afternoon Session:

Design review and feedback: Participants present their designs for review and critique.

Discussion on common mistakes and how to avoid them.

Q&A session: Addressing participants' queries and clarifications.

Conclusion and Certificate Distribution.

This 5-days training syllabus provides a structured approach to learning PCB design and fabrication, covering essential concepts, advanced techniques, practical software training, and hands-on experience. Each day focuses on specific aspects of PCB design and fabrication, gradually building participants' skills and knowledge throughout the training program.



SYLLABUS

Day 1: Introduction to LED Technology and Soldering Basics

Morning Session:

Basics of Electricity and Electronics

Introduction to LED technology: principles, components, and applications.

Use of Tools & Soldering Process.

Overview of soldering: types of solder, flux, soldering equipment.

Afternoon Session:

Demonstration: through-hole soldering technique.

Hands-on practice: through-hole soldering exercises.

Day 2: Surface Mount Soldering and Quality Control

Morning Session:

Surface mount soldering: techniques and considerations.

Quality control in soldering: visual inspection standards and defect identification.

Understand the functionality of multi-meter, Explain different modes of testing in multi-meter.

Afternoon Session:

Demonstration: surface mount soldering technique.

Hands-on practice: surface mount soldering exercises.

Day 3: Advanced Soldering Techniques and Troubleshooting

Morning Session:

Advanced soldering techniques: reflow soldering, desoldering, and component replacement.

Troubleshooting soldering issues: common problems and solutions.

PCB Design.

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Afternoon Session:

Practical exercises: troubleshooting soldering issues on sample boards.

Day 4: LED Bulb Manufacturing Process

Morning Session:

Overview of LED bulb manufacturing process: component assembly, PCB assembly

Safety considerations in LED bulb manufacturing.

Afternoon Session:

Demonstration: LED bulb manufacturing process.

Lean manufacturing principles: optimizing production processes and minimizing waste.

Day 5: Optimization, Efficiency, and Final Assessment

Morning Session:

Hands-on practice: assembling LED bulbs with soldered connections and testing

Afternoon Session:

Hands-on practice: assembling LED bulbs with soldered connections and testing

Feedback session: review of individual performance and areas for improvement.

Certification ceremony: distribution of training completion certificates.

Note: Each day will include breaks for refreshments and rest to ensure participants remain engaged and focused throughout the training program. Additionally, instructors will provide continuous guidance and support during hands-on practice sessions to maximize learning outcomes.

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5

SYLLABUS

Day 1: Introduction to Hybrid Vehicles

Morning Session:

- Overview of Hybrid Vehicles Definition
- > types of hybrid vehicles (series, parallel, series-parallel)
- Advantages and challenges of hybrid technology Hybrid Vehicle
- Architecture Components of a hybrid vehicle (electric motor, internal combustion engine, battery, transmission, etc.)
- ➤ How hybrid systems work: power flow, regenerative braking, start-stop systems

Afternoon Session:

- > Hybrid Powertrains
- Comparison of hybrid powertrain architectures
- > Role of the internal combustion engine and electric motor in hybrid propulsion Hybrid Vehicle Control Systems
- Control strategies for optimizing performance and efficiency Introduction to regenerative braking and energy management systems.

Day 2: Hybrid Vehicle Technologies

Morning Session:

- Battery Technologies for Hybrid Vehicles
- > Types of batteries used in hybrid vehicles (NiMH, lithium-ion, etc.)
- > Battery management systems and thermal management
- Electric Motors and Generators Types of electric motors used in hybrid vehicles (AC induction, permanent magnet, etc.)
- Role of generators in hybrid systems.

Afternoon Session:

- Transmission Systems
- > Types of transmissions used in hybrid vehicles (CVT, dual-clutch, etc.)
- Power-split and planetary gear systems
- Energy Storage and Management Charging infrastructure for hybrid vehicles
- Energy storage considerations and optimization techniques

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3

Day 3: Hybrid Vehicle Performance and Efficiency

Morning Session:

- > Performance Characteristics of Hybrid Vehicles Acceleration
- top speed, and towing capacity
- > Impact of hybrid technology on vehicle dynamics Fuel Economy and Emissions
- Factors affecting fuel efficiency in hybrid vehicles Emissions reduction strategies and regulatory compliance

Afternoon Session:

- Maintenance and Service of Hybrid Vehicles Routine maintenance procedures
- Safety considerations for working with high-voltage systems
- Hybrid Vehicle Diagnostics Common issues and troubleshooting techniques
- > Introduction to diagnostic tools and software

Day4: Integration of Hybrid Technology

Morning Session:

- Hybrid Vehicle Design Considerations
- Vehicle packaging and integration of hybrid components
- Designing for optimal weight distribution and aerodynamics
- Vehicle Electrification Trends
- Market trends and future developments in hybrid and electric vehicles
- Impact of electrification on automotive industry

Afternoon Session:

- Case Studies and Practical Examples
- Review of successful hybrid vehicle designs
- Analysis of real-world performance and efficiency data

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Day 5: Hands-On Workshop and Applications

Morning Session:

- Hybrid Vehicle Simulation Exercises
- Using simulation software to model hybrid vehicle performance
- Analyzing different driving scenarios and their impact on efficiency
- > Hybrid Vehicle Component Demonstration
- > Hands-on demonstration of hybrid vehicle components
- Safety protocols and procedures for working with hybrid systems

Afternoon Session:

- Hybrid Vehicle Test Drive
- Opportunity for participants to experience driving a hybrid vehicle
- Instructor-led discussion on driving techniques for maximizing efficiency

O&A and Conclusion

Review of key concepts covered during the program

Opportunity for participants to ask questions and provide feedback

This syllabus provides a comprehensive overview of hybrid vehicle technology, covering theoretical concepts, practical applications, and hands-on experience over the course of five days.

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SNGCET

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SYLLABUS

Day 1: Introduction to Industrial Automation

Morning Session:

- Definition and significance of industrial automation
- > Evolution of industrial automation
- Components of an industrial automation system

Afternoon Session:

- Advantages and challenges of industrial automation
- Case studies showcasing real-world applications

Day 2: Fundamentals of Control Systems

Morning Session:

- Basic concepts of control systems
- Types of control systems (open loop, closed loop)
- Sensors and actuators in control systems

Afternoon Session:

- Feedback mechanisms
- Introduction to PID control and its applications

Day 3: Programmable Logic Controllers (PLCs)

Morning Session:

- Introduction to PLCs
- Architecture and components of PLCs
- Programming languages used in PLCs (Ladder Logic, Function Block Diagram, etc.)

Afternoon Session:

- PLC communication protocols
- Hands-on exercises on PLC programming and simulation

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Day 4: Human-Machine Interface (HMI) and SCADA Systems

Morning Session:

- Introduction to HMI and SCADA systems
- > Role of HMI and SCADA in industrial automation
- Design principles for HMI development

Afternoon Session:

- SCADA architecture and components
- Hands-on session on HMI development and SCADA configuration

Day 5: Introduction to Internet of Things (IoT) and Integration with Industrial Automation

Morning Session:

- Definition and characteristics of IoT
- > Applications of IoT in industrial settings
- > IoT architecture and components

Afternoon Session:

- Benefits and challenges of integrating industrial automation with IoT
- Case studies and demonstrations showcasing IoT integration in industrial automation systems

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING SYLLABUS

"Crafting with CAD: A 5-Day Workshop Series"

Day	9.00 AM to 12.00PM	1.00 PM to 4.00 PM
Day1	 Introduction to Computer hardware and peripherals Input output devices Windows operating system Auto CAD application software in the platform of Windows. Control bar, pull down menu, status bar, workspace, Snap, Grid, Ortho mode O snap, O track, Line weight, dynamic UCS, Model space and paper space WCS and UCS Coordinate system and References Absolute system of reference Incremental system of reference Polar system of reference Limits and Units 	 Practical session Simple 2D drawings Based on :WCS and UCS Coordinate system and References Absolute system of reference Incremental system of reference Polar system of reference Limits and Units
Day2	Drawing commands Line, Construction line Multi lines, Poly lines Rectangle, Polygons Arc, Circle, Splines Ellipse, Ellipse arc Make block and Insert block Point, Hatch, Gradient, Region Multiline text. Table.	Modifying Commands Erase, Copy Mirror, Offset Array- Circular and Rectangular Move, Rotate, Scale Stretch, Trim, Extend Break, Join Fillet and Chamfer Blend curves and Explode
Day 3	Practical session 2D drawings for the familiarization of Drawing and Modifying Commands	Practical session 2D drawings for the familiarization of Drawing and Modifying Commands
Day4	Tool bars	Practical Session

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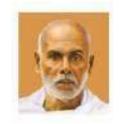
	Tool pallets Design center External reference files Properties of drawings And Editing	2D drawings of Electrical circuits to familiarize the easiest and fastest methods for drawing requirements.
Day5	Formats- layer, line type, Line weight, Text style, Dimension style, Point style, Multi leader style, Multi line style, Table style. Dimensioning Plotting and presentation of hard copies	Practical Session Drawing various type of Electrical circuits and Printing or Plotting.

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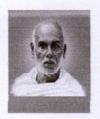


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ROBOTICS WORKSHOP

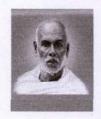
SYLLABUS

Sl.No	Topic		
1	Introduction to Robotics and Arduino		
	Overview of Robotics and its applications		
	 Introduction to Arduino boards and their features 		
	Installing Arduino IDE and configuring boards		
	 Basic Arduino programming concepts (variables, data types, loops) 		
2	Arduino Programming Fundamentals		
	Control structures (if, else, switch)		
	Functions and modular programming		
	Arrays and strings in Arduino programming		
	Analog and digital input/output		
3	Sensor Integration with Arduino		
	Introduction to sensors (e.g., light sensors, temperature sensors)		
	Connecting sensors to Arduino		
	Reading sensor data and processing		
	Hands-on: Interfacing LEDs and basic sensors		
4	Actuator Control with Arduino		
	Introduction to actuators (e.g., motors, servos)		
	 Connecting actuators to Arduino PWM (Pulse Width Modulation) 		
	for motor control		
	Hands-on: Controlling motors and servos with Arduino		
5	Robotics Project and Advanced Concepts		
	Integration of sensors and actuators into a robotics project		
	 Project development using Arduino Troubleshooting and 		
	debugging		
	 Advanced Arduino concepts (interrupts, communication protocols) 		
	 Project presentation and discussionDevelop the project using 		
	Embedded C and C++		
= -	Hands-on debugging and testing		



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ROBOTICS WORKSHOP

• Project presentation and feedback session

Assessment Criteria:

Short quizzes and assessments throughout the workshop Participation in hands-on exercises.

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DEPARTMENT OF ELECTRONICS COMMUNICATION ENGINEERING

SYLLABUS

Introduction to Arduino	History and background. Overview of Arduino boards (Uno, Nano, Mega, etc.). Applications of Arduino in various fields (IoT, robotics, automation, etc.)
Basic Electronics Components	Explanation of fundamental components.Resistors, capacitors, LEDs, pushbuttons, etc.Understanding component specifications (resistance, capacitance, voltage ratings, etc.) Safety precautions in handling electronic components
Introduction to Breadboards	Explanation of breadboard layout and connections. Hands-on activity: Building simple circuits on a breadboard
Hands-on Arduino Basics	Introduction to Arduino IDE (Integrated Development Environment) Setting up Arduino IDE on participants system. Uploading a simple "Hello World" program to Arduino board. Understanding the basic structure of an Arduino sketch (setup() and loop() functions)
Hands-on Activity: Blinking an LED	Wiring an LED to Arduino board. Writing a program to blink the LED on and off. Uploading and testing the program on Arduino board
Serial Communication	Introduction to serial communication and its importance in Arduino projects. Sending data from Arduino to computer via serial monitor .Reading data from serial monitor
Introduction to Sensors	Overview of common sensors used with Arduino (temperature, humidity, light, motion, etc.). Working principles of sensors. Hands-on activity: Interfacing a temperature sensor with Arduino
Reading Analog Sensor Data	Understanding analog-to-digital conversion (ADC).Reading analog sensor data using Arduino .Calibrating sensors and mapping sensor values
Introduction to Actuators	Overview of different types of actuators (motors, servos, relays, etc.). Working principles and applications of actuators
Hands-on Activity:Controllin g a DC Motor	Introduction to motor drivers and H-bridge circuits. Wiring and controlling a DC motor using Arduino
Introduction to Pulse Width Modulation (PWM)	Explanation of PWM and its application in motor speed control.Hands- on activity: Controlling motor speed using PWM signals
Serial Communication	Review of serial communication basics. Hands-on activity: Implementing two-way communication between Arduino and computer
Functions and	Introduction to functions in Arduino programming. Writing and using
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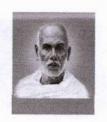
Libraries	custom functions. Introduction to Arduino libraries and their usage
Troubleshooting and Debugging	Common programming errors and hardware issues. Strategies for troubleshooting and debugging Arduino projects. Hands-on activity: Identifying and fixing common errors in sample projects
Project Planning and Implementation	Brainstorming and planning individual or group projects. Gathering required components and materials Building and testing projects with guidance from instructors
Project Presentation	Each participant/group demonstrates their project to the rest of the workshop attendees. Explanation of project concept, components used, and functionality. Q&A session and feedback from instructors and peers

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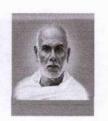
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IoT | Workshop on Internet of Things using Arduino, RaspberryPi & MQTT

SYLLABUS

S1.No	Topic
1	Introduction to the Internet of Things
	The Laterate CTL:
	The Internet of Things
	The Basics of Sensors & Actuators
	introduction to Cloud Computing
	* The Arduino Platform
	The Arduino Open-Microcontroller Platform
	Arduino Basics
	Arduino Board Layout & Architecture
	* Reading from Sensors
	* Programming fundamentals (C language) * Arduino Programming & Interface of Sensors
	* Understand *
	Interfacing sensors with Arduino
	Programming Arduino
	Reading from Sensors
2	 Integrating Ethernet Module & Testing DHCP Connection Creating Program for Localhost Web Server for controlling devices.
	 Being Social on Twitter & update status on Twitter through Arduino Make Electronics Gadget Talk to Internet Integrating Ethernet Module Creating App on Twitter Send Voltage & Analog Data on Cloud Server. Cloud Computing Communicating with the Cloud using Web Services. Cloud Computing & IOT. Popular Cloud Computing Services for Sensor Management.
3	 Make Electronics Gadget Talk to Internet Integrating Ethernet Module Creating App on Twitter Send Voltage & Analog Data on Cloud Server. Cloud Computing Communicating with the Cloud using Web Services. Cloud Computing & IOT.





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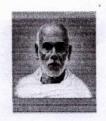
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IoT | Workshop on Internet of Things using Arduino, RaspberryPi & MOTT

	 Introduction to Cloud Computing Understanding and Introduction to R Pi
	What is SOC?
	 Versions of Raspberry Pi & Their Difference Raspberry Pi 3
	Basics of Electronics Hardware Description
	 Pin Configuration OS Installation on SD Card
4	Talking to your Android Phone with Raspberry Pi
	Connecting Raspberry Pi with Mobile Device.
	The Android Mobile OS. Using the Bluetooth Module (
	Using the Bluetooth Module
5	Understanding MQTT
	Difference between HTTP & MQTT Had a starting MOTT Production
	Understanding MQ11 Broker
	Understating Publish & Subscribe Methods

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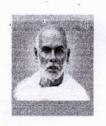
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SYLLABUS

Sl.No	Topic
1	Introduction to Digital Image Processing and Python Basics, Basic Python Programming Concepts
2	Fundamentals of Image Representation and Enhancement, Understanding Image Representation (Pixel, Resolution, Color Models) Basic Image Operations (Brightness, Contrast, Histogram)
3	Image Filtering Techniques, Convolution and Filtering Concepts Common Image Filters (Blur, Sharpen, Edge Detection) Image Enhancement Techniques Histogram Equalization
4	Image Transformation Techniques Fourier Transform Discrete Cosine Transform
5	Image Segmentation Techniques & Practical Applications

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

HANDS ON TRAINING ON EMBEDDED C, C++

SYLLABUS

SI.No	Topic	
1	Introduction to Embedded Systems and C Programming	
	Overview of Embedded Systems	
	Basics of Microcontrollers	
	 Introduction to C Programming 	
	 Data types, operators, and expressions 	
2	Advanced C Programming for Embedded Systems	-
	Control flow statements (if, else, switch)	
	Functions and modular programming	
	 Arrays and pointers in C 	
	Memory management in C	
3	Embedded Systems Architecture	
	 Microcontroller architecture basics 	
	 Input/Output (I/O) operations and interfacing 	
	Timers and counters	
4	Introduction to C++	
	 Basics of Object-Oriented Programming (OOP) 	
	 Classes and objects in C++ 	
	 Memory management in C++ 	
5	Embedded C and C++ Project Work	
	 Select a small-scale embedded project 	
	 Develop the project using Embedded C and C++ 	
	 Hands-on debugging and testing 	
	 Project presentation and feedback session 	



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DEPARTMENT OF MECHANICAL ENGINEERING



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SYLLABUS FOR 3D PRINTING

	Professional Skills(Trade Practical)	Professional Knowledge(Trade Theory)
4. 5. 6.	Machinery used in the trade. First Aid Method and basictraining. Safe disposal of waste materials like cotton waste, metal chips/burrs etc. Hazard identification and avoidance. Safety signs for Danger, Warning, caution & personal safety message. Preventive measures forelectrical accidents & steps to be taken in such accidents.	All necessary guidance to be provided to the new comers to become familiar with the working of Industrial Training Institute system including storesprocedures. Soft Skills, its importance and Job area after completion of training. Importance of safety and general precautions observed in the industry/shop floor. Introduction of First aid. Operation of electrical mainsand electrical safety. Introduction of
	Use of Fire extinguishers. Practice and understand precautions to be followed while working in fitting jobs.	PPEs. Response to emergencies e.g.; power failure, fire, and system failure. Importance of housekeeping & good shop floor
	Demonstrate the functions of 3D printing and Scanning. Demonstrate the functions of 3D printing and Scanning. Perform Computer operation: i)create new folder, ii) add subfolders, create application files, iv) change appearance of windows, v) search for files, vii) sort files, vii) copy files, viii) create shortcut folder, ix) create shortcut icon in desktop and taskbar x) Move files to and from removable disk/ flash drive. xi) Install a printer from driver software in operating system.	practices. Introduction to 5S concept & its application. Occupational Safety & Health: Health, Safety and Environment guidelines, legislations & regulations as applicable. Introduction to 3D Printing and Scanning. Basic computer: Introduction to computer, Windows operating system, file management system. Computer hardware and software specification.
	. Create, save and print a document, worksheet and pdf (portable document format) files. . Draw perpendicular, inclined (given angle) and parallel lines. Draw triangles with given	Engineering Drawing: Nomenclature, description and use of drawing instruments & various equipments used in drawing office. Their care and maintenance.
	sides and angles. Draw inscribed and circumscribed circles of triangle, pentagon andhexagon. Draw orthographic projection of cut section/ frustums of solids- prism, cylinders, cones pyramids	Units of dimensioning, System of dimensioning, Method of dimensioning & common features. Methods of obtaining orthographic view. Position of the object, selection of the views, three views of drawing. Planes and their normal projections.

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Orthographic projection. First angle and third

- Draw 2D objects using: line, polyline, ray, polygon, circle, rectangle, arc, ellipse commands.
- Modify 2D objects using Move, Copy, Array, Insert Block, Make Block, Scale, Rotate, Hatch Commands.
- Perform computer application in 2D drawing space using commands from ribbon, menu bar, toolbars and by typing in command prompt.
- Modify 2D objects using Move, Copy, Array, Insert Block, Make Block, Scale, Rotate, Hatch Commands.
- Draw 3D solid figures by Sketching features & applied features.
- Handle imported geometries using Feature Works – Recognise features to native file formats.
- 21. Create a 3D transition figure
 - · Using loft feature.
 - · Using sweep feature.
 - · Using library features.

i)Create 3D model by annotating Holes and Threads, ii) Create Centrelines, symbols and leaders, iii) Perform seamless Simulation within CAD Apply loads & boundary conditions, Material should come from part definition, contacts etc and perform base simulation.

- iv)Plot various results- Stress, Strain, Deformation, Displacement, Factor of Safety plot, Design Insight plot, probe facility, Isoclipping, Section clipping. v) Create automatic reports vi) Understand 2D simplification.
- 22. Learn Data Translation Built in translation facility to export design to DWG, DXF, ProE, IPT(Inventor), Mechanical Desktop, Unigraphics, ParaSolid, CADKEY, IGES, STEP, PAR (SolidEdge), SAT(ACIS), VDA-FS, VRML, STL, TIFF, JPG, Adobe, Rhino, IDF & HSF. (20 hrs)

angle projection. Principal of orthographic projection. Projection of solids like prism, cones, pyramids and their frustums.

Introduction to 2D User interface. Drawing of Line, polyline, ray, polygon, circle, rectangle, arc, ellipse using different options. Trim, Offset, Fillet, Chamfer, Arc and Circle under modify commands. Move, Copy, Array, Insert Block, Make Block, Scale, Rotate, Hatch Commands. Creating templates, Inserting drawings, Layers, Modify Layers. Format dimension style, creating new dimension style, Modifying styles in dimensioning. Writing text on dimension line and on leader. Edit text dimension. Knowledge of shortcut keyboard command. Customization of keyboard command. Customization of drafting settings, changing orthographic snap to isometric snap. Procedure to create viewport in layout space in zooming scale.

3D Modeling and Design Software: Introduction to 3D Modeling and Software. User interface - Menu Bar - Command manager -Feature manager - Design Tree - settings on the Default options - suggested settings - key board short cuts. Feature manager Design Tree Selection of plane Control of sketches through parameter and property manager. Featured tools in Command Manager Feature Toolbar. Extrude Boss/Base Revolve Boss/Base Swept Boss/Base Lofted Boss/Base Boundary Boss/Base Extruded cut Hole Wizard Revolved Cut Boundary Cut Fillet, chamfer, mirror Linear pattern and circular pattern Understanding part GD&T DimXpert Manager

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DEPARTMENT OF MECHANICAL ENGINEERING

5 DAY ONLINE WORKSHOP ON ADDITIVE MANUFACTURING

SYLLABUS

Day 1: Introduction to Additive Manufacturing

- Overview of Additive Manufacturing (AM) technologies
- · Historical development and current trends in AM
- Types of 3D printing processes (FDM, SLA, SLS, etc.)
- · Basic principles of CAD modeling for 3D printing

Day 2: AM Technologies and Materials

- In-depth look at different AM technologies (FDM, SLA, SLS, DMLS, etc.)
- Selection criteria for choosing appropriate AM technology
- Materials used in additive manufacturing (polymers, metals, ceramics)
- Material properties and their impact on print quality and applications

Day 3: Design for Additive Manufacturing (DFAM)

- Principles of Design for Additive Manufacturing (DFAM)
- · Design guidelines and considerations for AM
- Optimizing designs for strength, weight reduction, and functionality
- Designing for support structures and post-processing considerations

Day 4: Advanced AM Topics

- Post-processing techniques (cleaning, curing, heat treatment, finishing)
- Quality control and inspection methods for AM parts
- Simulation tools for predicting AM outcomes
- Integration of AM with traditional manufacturing processes (hybrid manufacturing)

Day 5: Industrial Applications and Future Directions

- Industry-focused case studies showcasing successful integration of AM in production workflows.
- Regulatory considerations and standards for AM in critical sectors (e.g., medical devices, aerospace).
- Closing remarks, certificate distribution, and networking opportunities.



DEPARTMENT OF MECHANICAL ENGINEERING

5 DAY ONLINE WORKSHOP ON RENEWABLE ENERGY: PATHWAYS AND TECHNOLOGIES

SYLLABUS

Day 1: Introduction to Renewable Energy

Morning Session

- · Overview of Renewable Energy Sources
- · Importance of Renewable Energy in Sustainable Development
- Global Energy Trends and Renewable Energy Targets

Afternoon Session

- Solar Energy Technologies
- Photovoltaic (PV) systems
- Concentrated Solar Power (CSP)
- Hands-on Activity: Solar PV System Design Exercise

Day 2: Wind and Hydroelectric Power

Morning Session

- Wind Energy Fundamentals
- Wind turbine technology and design
- Offshore vs. onshore wind farms
- Introduction to Hydroelectric Power
- · Types of hydroelectric systems

Afternoon Session

- Small Hydropower and Micro-Hydro Systems
- Wind and Hydro Energy Integration in Power Grids
- Case Study: Wind Farm or Hydroelectric Project Analysis

Day 3: Bioenergy and Geothermal Energy

Morning Session

- Bioenergy Overview
- Biomass sources and conversion technologies
- · Biogas production and applications
- · Geothermal Energy Basics
- Geothermal heat pumps
- · Geothermal power generation

Afternoon Session

- · Environmental and Social Impacts of Bioenergy
- · Geothermal Exploration and Reservoir Engineering
- Field Trip or Virtual Tour: Geothermal Site Visit or Biomass Facility

Day 4: Energy Storage and Grid Integration

Morning Session

- Importance of Energy Storage in Renewable Energy Systems
- Battery Technologies for Grid-Scale and Off-Grid Applications
- · Overview of Pumped Hydro Storage and Other Storage Methods

Afternoon Session

- Smart Grid Technologies and Demand Response
- · Grid Integration Challenges and Solutions
- Case Studies on Successful Renewable Energy Grid Integration

Day 5: Policy, Economics, and Future Trends

Morning Session

- Renewable Energy Policies and Incentives
- Financing Renewable Energy Projects
- Techno-Economic Analysis of Renewable Energy Systems

Afternoon Session

- Emerging Trends in Renewable Energy Research and Development
- Role of Innovation and Entrepreneurship in Renewable Energy
- Panel Discussion: Future Outlook and Opportunities in Renewable Energy



DEPARTMENT OF MECHANICAL ENGINEERING

5 DAY WORKSHOP ON LATEST TRENDS IN AUTOMOBILE ENGINEERING

SYLLABUS

Day 1: Introduction to Modern Automotive Technologies Session 1:

- Overview of Automotive Industry
- Introduction to current automotive market trends and challenges.
- Evolution of automotive engineering and its impact on modern vehicles.

Session 2:

- Discussion on fuel cell technologies and their potential impact.
- Vehicle Dynamics and Control
- Understanding vehicle stability control systems.
- Introduction to advanced driver-assistance systems (ADAS).

Day 2: Innovations in Automotive Design and Materials Session 3:

- Lightweight Materials and Structures
- Importance of lightweight materials in vehicle design.
- Case studies on the use of composites and advanced alloys.

Session 4:

- Overview of design optimization for aerodynamic performance.
- Advanced Manufacturing Techniques
- 3D printing and additive manufacturing in automotive prototyping.
- Robotics and automation in car assembly.

Day 3: Emerging Trends in Connected and Autonomous Vehicles Session 5:

- Internet of Things (IoT) in Automotive
- · Connected vehicle technologies and IoT applications.
- Cybersecurity challenges in connected vehicles.

Session 6:

- · Autonomous Driving Technologies
- Levels of autonomy and current state of autonomous vehicle development.
- · Sensors and perception systems in self-driving cars.

Day 4: Sustainable Mobility and Future Challenges Session 7:

- Sustainable Automotive Solutions
- · Role of electric vehicles and sustainable mobility.
- Circular economy approaches in automotive manufacturing.

Session 8:

- · Urban Mobility and Smart Cities
- Urban transportation challenges and solutions.
- Role of shared mobility and ride-sharing platforms.

Day 5: Industry Applications and Career Perspectives Session 9:

- Advanced Powertrain Technologies
- · Overview of electric vehicles (EVs) and hybrid vehicles.

Session 10:

- Aerodynamics and Vehicle Design
- Basics of aerodynamics and its role in vehicle efficiency.



DEPARTMENT OF MECHANICAL ENGINEERING

5 DAY WORKSHOP ON LATEST TRENDS IN AUTOMOBILE ENGINEERING

NAME LIST

S.NO	NAME	SEMESTER
1	ADWAITH J	S8
2	ANWAR HUSSAIN	S8
3	ABHISHEK M	\$8
4	ADARSH P P	S8
5	AKSHAY KANDOTH	S8
6	AMARNATH M	S8
7	ASHAKH S	S8
8	GOKUL RETHNAKARAN	S8
9	NIHAL HEMANTH	S8
10	PRAJIN PRABHAKARAN T	S8
11	PRASAD K K	S8
12	RAHUL KRISHNAN K P	S8
13	SHAROON M P	S8
14	SIDDHARTH M	S8



DEPARTMENT OF MECHANICAL ENGINEERING

5 DAY WORKSHOP ON LATEST TRENDS IN AUTOMOBILE ENGINEERING

ATTENDENCE LIST

S.N	NAME	SEMESTER	DAY	DAY	DAY	DAY	DAY
0			1	2	3	4	5
1	ADWAITH J	S8	delast.	Kasaka	Marin.	Stuain-	Marit
2	ANWAR HUSSAIN	S8	Ale .	Awar,	Anon	Ano	Ana
3	ABHISHEK M	S8	O Carol	Jan 18	A South	Johns	South of the second
4	ADARSH P P	S8	Mario.	Address,	Adat.	date.	date.
5	AKSHAY KANDOTH	S8	Hol	Her	助	ALA	ALL
6	AMARNATH M	S8	Munter	Marinde	Jon Ha	James - Ded	French
7	ASHAKH S	S 8	Johath	John	Adrik	Aboti	Ashath
8	GOKUL RETHNAKARAN	S8	Gen.	20	D. (R.D.	Gal.
9	NIHAL HEMANTH	S8	ALEX	MALE	MA	ple	MA
10	PRAJIN PRABHAKARAN T	S8	PLA	Broth	PARP	Prof	Ryp
11	PRASAD K K	S8	Dook:	Janes.	Viel	Bat	Poor
12	RAHUL KRISHNAN K P	S8	& K	P		RH	PL
13	SHAROON M P	S8	Show	- day	by	881	Bol .
14	SIDDHARTH M	S8	Hugha 49	Clickan	Pottet	dectar	glighter



DEPARTMENT OF MECHANICAL ENGINNERING

WORKSHOP REPORT ON LATEST TRENDS IN AUTOMOBILE ENGINEERING

The workshop on the latest trends in automobile engineering, held by SNGCET from November 18th to 22nd, 2019, provided a comprehensive exploration of fundamental principles and practices in this dynamic field. The objective was to offer participants insights into various sources of automobile technology, their applications, and the transformative technologies driving this transition. The session commenced promptly at 9am with an introduction by Mr. Manuraj TV, the coordinator. Mr. Chandrajith E, the esteemed Head of the Mechanical Engineering Department at SNGCET, delivered the departmental address.

The workshop began with an overview of automobile engineering, emphasizing its continual evolution driven by technological advancements, changing consumer demands, and environmental concerns. This report highlights the latest trends shaping the automobile industry, including innovations in electric vehicles (EVs), autonomous driving, connectivity, materials, and sustainability.

The trends in automobile engineering are increasingly oriented towards electric, autonomous, connected, and sustainable mobility solutions. Technological advancements, combined with evolving consumer preferences and regulatory frameworks, are reshaping the automotive landscape towards a more efficient, safer, and environmentally friendly transportation future. Industry stakeholders must persist in innovation and collaboration to fully realize the potential of these trends and effectively address the challenges of tomorrow's mobility ecosystem.



Sree Narayana Guru College of Engineering & Technology

CHALAKKODE P.O., KOROM, PAYYANUR, KANNUR-670 307



CERTIFICATE OF PARTICIPATION

organized by the Department of Mechanical Engineering, Sree Narayana Guru College of This is to certify that Adarsh P P of Sree Narayana Guru College of Engineering and Technology has attended the workshop on Latest Trends in Automobile Engineering

Engineering and Technology from 18/11/2019 to 22/11/2019.

lan way

Mr. Manuraj T V

Co-ordinator

Mr. Chandrajith E

SREE NARAYAN GURU COLLEGE OF THE DEPARTMENT ENGINEERING A TECHNOLOGY, MYNAMAR ENGINEERING A TECHNOLOGY, MYNAMAR

Mas

PAYYANUR

Dr. V K Janardhanan
Principal



5 DAY WORKSHOP ON 5 DAY WORKSHOP ON LATEST TRENDS IN AUTOMOBILE ENGINEERING

FEEDBACK FORM

Submitted by the Department of Mechanical Engineering

	Excellent	Good	Fair	Poor
1. Overall how would you rate the training class?				
2. How would you rate the trainer's communication and presentation skills				
3. Were the interactive elements engaging and beneficial				
4. Did you receive enough opportunity for questions and clarification during the session				
5. Did this class meet your expectation				
6. Were the hands-on activities beneficial in understanding concepts				
7. Did the workshop offer practical strategies or tools that you can readily apply				
8. Were the technical aspects during the workshop satisfactory				
9. Rate the level of interaction between the facilitator and participants				
10. Did the workshop covers emerging trend or				

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SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

5 DAY WORKSHOP ON 5 DAY WORKSHOP ON LATEST TRENDS IN AUTOMOBILE ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING

5 DAY WORKSHOP ON MASTER CAM

MasterCam Training Syllabus

Day 1

I. MasterCam Configuration/Settings:

- Operating PC, Hardware Accelerations Settings
 - o Typically Second Mark from Left on Slider Bar
 - To Access Hardware Settings: Go to Desktop > Right Click > Select Properties > Select Settings > Select Advanced > Select TroubleShoot > Adjust Hardware Acceleration Slider bar.
- > HELP Option
 - Use feature for learning assistance.
 - Also, use quick learning mode (Hover Mouse cursor over icons on screen to see popup that tells function of particular icon or button)
 - Explain Update Feature which checks for software updates
 - Explain Zip2 go Feature which is used for technical support reasons
- ➤ MasterCam Settings/Configuration (SETTINGS > CONFIGURATION or ALT + F8)
 - Most commonly altered settings per user
 - Setup Colors
 - Setup Default Machines
 - o Start/Exit (Setting to personal Settings)
 - How to Save/Exit Custom Config file.
 - o How to Load exist custom file and set to default

II. Screen Layout:

- Toolbar display (Type MRU in HELP menu for greater details)
 - Select: SETTINGS > Toolbar States
 - Show how Toolbars can be moved about screen to desired location
- Status Bar (Located Bottom of Screen)
 - o 3D/2D
 - GVIEW (Graphics View)
 - o Explain Various Views
 - Only Router Pro Students: Explain "View By Entity"
 - Used Two lines to create New GView for Tool Control or

- Used One line to create New GView for Tool Control or Designing purposes
 - Be sure to select "Normal" line at base to project arrow away from part
- o PLANES
 - Use for construction of geom. DO NOT USE for creating new tool Control Lines or views
- Z Depth
- o Colors
 - Changing Colors
- o Levels
 - Changing Levels
- Attributes
 - Changing Attributes
 - Explain how Attribute dialogue can be used to change Color, Line type, Layer etc....
- Right Click Menu
 - o Zoom./Unzoom
 - Explain common optional features: F1 (Zoom Window), F2 (Zoom previous)
- Operations Manager
 - Briefly Describe that it is to be used for managing toolpath information.

III. Intro. to Creating CAD Geometry (Sketch geom. on screen on demand)

- Using CREATE Option (Explain that Yellow input fields allow input with math functions)
 - o Lines (All)
 - o Circles/Arcs (All)
 - Tangent Entities
 - o Points (All)
 - o Rectangles
 - Rectangular shapes
 - o Polygons
 - Ellipses
 - o Bounding Box (2D)
 - Letters
 - o Splines
 - Manual
 - Automatic
 - Curves (Only Router Pro Students)
 - > Used to apply wireframe geom. to existing surfaces
 - Blended (Only Router Pro Students)
 - > Typically used to attach arcs in 3D space
 - Use Magnitude to Adjust

- o Fillets
- Chamfers
- Primitives (Only Router Pro Students)
- ➤ Using ANALYZE option
 - o Explain how this feature can also be used as Editing Feature
- ➤ Using EDIT > Trim/Break option
 - o Trimming Entities
 - o Breaking Entities
 - Extending Entities
- Using XFORM option
 - o Translate
 - o Rotate
 - Mirror
 - o Scale
 - o Uniform/XYZ
 - Offset Contour
 - o Offset
 - o Transform Rectangular Array
 - o Drag
 - o Stretch
 - o Nesting: Rectangular/Tru-Shape
 - o Explain Groups/Resulting Colors
 - o Explain how to Clear Colors (Right Click > Clear Colors)

Day 2

IV. Creating 2D MasterCam - Toolpath file

- Distribute and Load post files
 - o Post files
 - .PST (C:\McamX2\router\posts)
 - o .TXT (C:\McamX2\router\posts)
 - o Machine Files
 - o .Control (C:\McamX2\cnc machines)
 - RMD (C:\McamX2\cnc machines)
- Setup Tools in Tool Manager
 - o Create Tool File per customer
 - o Select: TOOLPATHS > Tool Manager
- > Machine Type
 - o Select: MACHINE TYPE option
 - Explain this can be setup through Configuration Defaults so that when file is opened, machine group will already exist in Operations manager.
 - o Once Machine Type is Loaded Explain PROPERTIES of Machine Group
 - Go to Operations Manager Select: Machine Group > Select: PROPERTIES
 - Explain Tool Setup
 - "Assign Tool Numbers Squentially"
 - Be sure this is NOT Checked
 - Explain Stock Setup
 - Displays stock based on user input
 - Allows visual for Verify Feature
- Appling Tool Paths to 2D Parts
 - Open and explain "Basic-2D 1.MCX" drwg file
 - Use "MACHINE_CONFIG.MCX" to explain Merge File option and to show customer how they can use a machine config. Drawing to help them understand part position relative to machine work envelope and use this file as a template. If there are some common toolpaths which will be used, those toolpaths can be added to the machine config file and this file used as a Template type file (will be able to load file and simply reselect Toolpath geom. and Regenerate).
 - Explain Back Plotting feature
 - Note that backplot movements can be saved as actual geom.
 - Show Verify feature

- Explain Ability to Edit Toolpath Parameters & Selected Operation Geom.
- Show ability to Turn visibility of Tool Paths ON/OFF
- Explain Regeneration of "Dirty" Operations after they've been edited
- Explain Ability to Post CNC code
 - Drilling
 - o Automatic
 - Entities
 - o Window Points
 - o Mask on Arc
 - o Sorting Methods
 - Pocketing (Standard)
 - Contour (2D)
 - o Ramp Contour Tool path
 - Circle Tool paths/Circle Mill
- Hand out Hard copy of "Basic-2D_1.MCX" drwg file and let student/s work through project, helping them as needed.
 - Use Additional "2D" sample drwgs. if needed for time filler and additional explanation of toolpath options.
- Working with Toolpath geom. in Operations Manager
 - Copying Toolpaths
 - Allows user to copy existing toolpath and alter settings to fit a similar geom.
 - Select: Toolpath to Copy > Right Click > Select: Copy >
 Reposition Red Arrow to desired location > Select: Red Arrow
 > Right Click > Select: Paste
 - o Importing
 - Allows user to Import Toolpath Parameters from another MCX file
 - Select: Toolpath to Copy > Right Click > Select: Copy >
 Reposition Red Arrow to desired location > Select: Red Arrow
 > Right Click > Select: Paste
 - Creating a New Toolpath Group
 - Allows user to manage Toolpaths in greater detail (ie: create a group for fixture machining, group for part trim, etc...)
 - Select: Machine Group in which you want to create a new Toolpath Group > Right Click > Select: Groups > Select: New Toolpath Group
 - o Transforming toolpath
 - Allows user to Translate and Copy existing toolpath throughout material sheet

Day 3

V. Creating 3D MasterCam - Toolpath file

- Intro to Three-dimensional Drawing
 - o Explain 1" Selection grid for ease of following 3D design
 - Select: SCREEN > Select: Screen Grid Settings
 - Set Grid to 1" size with .05 grid
 - Return to Graphics screen, change PLANES to show reaction with visible Grid
 - Use CREATE option to draw sample shapes in different PLANES
 - o Draw 3D wireframe part
 - Open/Explain "3D Wireframe-1.MCX"
 - > Create part by first drawing 2D profile, then sweeping geom. into 3D part using the XFORM > Translate > JOIN feature
 - Note: For Router students planning to use the 4th Axis/Aggregate
 - > Use various PLANES (ie: Front, Side, etc...) to create tool planes for creating Horizontal boring, Mortising, tool paths
 - Hand out Hard copy of "3D_Wireframe-1.MCX" drwg file and let student/s work through project, helping them as needed.
 - Note: At this time For Router Pro Students (Skip to next topic: Surfaces for router Students):
 - Continue Applying toolpaths to "3D Wireframe-1.MCX"
 - Create and Save a User-defined Gview/Construction Plane/Tool plane (Normal GVIEW)
 - o Display this option on angled face of BLOCK
 - > Toolpath part
 - o Pocketing from Top
 - Pocketing On Angle (Using newly defined tool plane)
 - o Contour Slot (Using newly defined tool plane)
 - o Drill Hor. Hole (Using Right Side tool plane)
- > Intro to Surfaces
 - o Open/Explain "3D Surfaces-Router.mcx"
 - Create & demonstrate various primary surface methods
 - Ruled/Lofted Surfaces
 - > Differences between Ruled/Lofted
 - Revolved Surfaces
 - Draw profile off to side and revolve geom. around a line designated as center axis to show this option
 - Swept Surfaces
 - Net Surface

- > Draw closed boundary shape to show this option
- Draft Surface
 - Extend one of the wire frame entities of "3D_Surfaces-Router.mcx" to show this option
- Extruded Surface
 - > Draw profile off to side and extrude to show this option
- Flat Boundary Surface
 - > Draw closed boundary shape to show this option
- o Secondary Surface Operations
 - Offset surfaces
 - Fence surfaces
 - Fillet Surfaces
 - Trimming Surfaces
 - Extending Surfaces
- Projecting curves onto surfaces
 - Draw entity or shape above surface of part and project to surface of existing part
- Importance of Surface Normals & how they affect surface fillets, offset surfaces, and head orientation (5 axis machining)
- Projection normal lines from surfaces
 - Create a point on angled surface
 - > CREATE > Point > Dynamic
 - Use XFORM > XFORM Project to create line
- o Vertical (TOP PLANE) Toolpaths
 - Surface Rough
 - > Discuss Drive surfaces
 - > Check surfaces
 - > Tool Containment boundaries
 - > Depth limits
 - Surface Finish Tool paths
 - > Finish parallel
 - > Finish scallop
 - > Finish leftover
 - > Finish Pencil
- Hand out Hard copy of "3D_Surfaces-Router.mcx" drwg file and let student/s work through project, helping them as needed.
- Note: At this time For Router Pro Students Move onto "3D_Surfaces-Router_Pro.mcx" file
- > Continue 3D Design/Entry to 5 axis machining
 - o Open Explain "3D Surfaces-Router Pro.mcx" file
 - o Create wireframe

Day 4

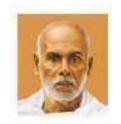
- Finish any remaining surface machining 3D designing functions cut short on Day
 3.
- Multi Axis Surface Toolpaths
 - Use "3D_Surfaces-Router.mcx" &/or "3D_Surfaces-Router_Pro.mcx"drwg file
 - o Illustrate Multiaxis Surfacing Toolpaths
 - 5 Axis Multi Surface
 - Note that Multi Surface performs most everything Flowline does
 - Show How Flowline can be changed in ToolPath Parameters of Multi Surface
 - 5 Axis Flowline
- Multi-Axis Trim Paths
 - o Use "3D_Surfaces-Router_Pro.mcx" file to Illustrate
 - 5 Axis Curve
 - Variety of tool axis control methods, e.g., lines surface, etc.
 - Variety of entry/exit strategies
 - Step increment vs. chord height wall following methods
 - 5 Axis Swarf
 - Variety of tool axis control methods, e.g., lines surface, etc.
 - Variety of entry/exit strategies
 - Step increment vs. chord height wall following methods
 - 5 Axis Drill
 - Create points on surface of part
 - CREATE > Point > Dynamic
 - Discuss Misc. Values and there affects on Posted Code
 - o Hand out and explain "PostDocXMR1&2-5AX-R1.pdf" file
 - MISC values Located in: Toolpath Parameters

Day 5

Work with the students on any real world projects brought to class.



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DEPARTMENT OF CIVIL ENGINEERING



DEPARTMENT OF CIVIL ENGINEERING

WORKSHOP ON ADVANCED QUANTITY SURVEYING ASSESSMENT TEST

Sl. No.	NAME	MARK(10)
1	AADITHYA KRISHNAN C	1
2	ABHIRAMY RAJ	8
3	AKASH P V	7
4	ANANDHU ASHOK K P	8
5	ANANJANA C	6
6	-ANJALI M P	6
7	ANJANA C	5
8	ASHAYA RAMESH	7
9	ASWITHA GANGADHARAN	7
10	ATHIRA ARUN K	6
11	AYSHATH SAIFA	6
12	KRISHNA PRASAD S L	7
13	MUHAMMED HANNAN	8
14	MUHAMMED RUFAID M	9
15	NIKHIL SAI K	9
16	PRANAV A K	8
17	PRAYAG PRABHAKARAN	7
18	SACHIN SURENDRAN M	7
19	SHAMSHAD PV	-

20	SILNA M	4
21	SREEHARI K K	5

Dr. LEENA A V
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY
PAYYANUR, KANNUR

And or other

Coordinator

Maugh

HOD



DEPARTMENT OF CIVIL ENGINEERING

ASSESSMENT ON" ADVANCED QUANTITY SURVEY "- 02/05/2023-06/05/2023

ACADEMIC YEAR 2022-2023

- 1. What is the primary purpose of a water tank in a building?
- A. To provide a decorative feature
- B. To store water for various uses
- C. To support the structural integrity of the building
- D. To generate electricity
- 2. Which material is commonly used for constructing water tanks due to its durability and resistance to corrosion?
- A. Wood
- B. Plastic
- C. Concrete
- D. Steel
- 3. What is the term used for the volume of water that a tank can hold?
- A. Flow rate
- B. Capacity
- C. Head
- D. Pressure
- 4. In the context of water tank design, what does the term "head loss" refer to?
- A. The reduction in water volume over time
- B. The height of the water tank
- C. The loss of water pressure due to friction and other factors
- D. The increase in water temperature
- 5. Which shape is most efficient for an overhead water tank to minimize the surface area exposed to air?
- A. Rectangular
- B. Cylindrical
- C. Spherical
- D. Cubical
- 6. What is the primary consideration for determining the location of a water tank on a property?
- A. Aesthetic appeal
- B. Proximity to the main road
- C. Ease of access for maintenance
- D. Elevation for gravitational water flow

- 7. Which of the following is NOT a factor in designing the structural integrity of a water tank?
- A. Soil bearing capacity
- B. Wind load
- C. Seismic load
- D. Paint color
- 8. What is the primary purpose of a retaining wall?
- A. To provide decoration in landscaping
- B. To retain soil and prevent erosion
- C. To support the structure of a building
- D. To divide interior spaces
- 9. When estimating the volume of concrete required for a retaining wall, which of the following dimensions is NOT necessary?
- A. Length of the wall
- B. Height of the wall
- C. Thickness of the wall
- D. Color of the wall
- 10. In the context of retaining wall design, what is the significance of the "batter"?
- A. The type of materials used
- B. The outward inclination of the wall face
- C. The base width of the wall
- D. The reinforcement detailing



DEPARTMENT OF CIVIL ENGINEERING

ASSESSMENT ON" ADVANCED QUANTITY SURVEY "- 02/05/2023-06/05/2023

	ACADEMIC YEAR 2022-2023	5
A. To provide a decor B. To store water for	various uses actural integrity of the building	10
2. Which material is corresistance to corrosion A. Wood B. Plastic Concrete D. Steel	ommonly used for constructing water tank	s due to its durability and
3. What is the term us A. Flow rate B. Capacity C. Head D. Pressure	sed for the volume of water that a tank can	hold?
A. The reduction in w B. The height of the v	pressure due to friction and other factors	l loss" refer to?
5. Which shape is mo exposed to air? A. Rectangular B. Cylindrical C. Spherical D. Cubical	st efficient for an overhead water tank to	minimize the surface area
6. What is the primary property? A. Aesthetic appeal B. Proximity to the m C. Ease of access for D. Elevation for gravi	maintenance	Dr. LEENA A V PRINCIPAL SREE NARAYANA GURU COLLEGE OI ENGINEERING & TECHNOLOGY PAYYANUR, KANNUR

7. Which of the following is NOT a factor in designing the structural integrity of a water tank?
A. Soil bearing capacity
B. Wind load
TO THE STATE OF TH
C. Seismic load D Paint color
8. What is the primary purpose of a retaining wall?
A. To provide decoration in landscaping
B. To retain soil and prevent erosion
C. To support the structure of a building
① To divide interior spaces
9. When estimating the volume of concrete required for a retaining wall, which of the
following dimensions is NOT necessary?
A. Length of the wall
B. Height of the wall
C Thickness of the wall
Color of the wall
10. In the context of retaining well design what is the significance of the "hetter"?
10. In the context of retaining wall design, what is the significance of the "batter"?

A. The type of materials used

B. The outward inclination of the wall face

C. The base width of the wall

D. The reinforcement detailing

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ASSESSMENT ON" ADVANCED QUANTITY SURVEY "- 02/05/2023-06/05/2023

ACADEMIC YEAR 2022-2023

1. What is the primary purpose of a water tank in a building?	
A. To provide a decorative feature	5
(B. To store water for various uses	10
C. To support the structural integrity of the building	u
D. To generate electricity	
2. Which material is commonly used for constructing water tanks due to it	ts durability and
resistance to corrosion?	
A. Wood	
B. Plastic	
Concrete	
D. Steel	
3. What is the term used for the volume of water that a tank can hold?	
A. Flow rate	
(B) Capacity	
C. Head	
D. Pressure	
4. In the context of water tank design, what does the term "head loss" refe	er to?
A. The reduction in water volume over time	
B. The height of the water tank	X
C. The loss of water pressure due to friction and other factors	
①The increase in water temperature	
5. Which shape is most efficient for an overhead water tank to minimize exposed to air?	the surface area
A. Rectangular	
B. Cylindrical	
C. Spherical	
(D)Cubical	
6. What is the primary consideration for determining the location of a wa	ter tank on a
property?	aci tank on a
A. Aesthetic appeal	1
B. Proximity to the main road	0/00
Ease of access for maintenance	X
D. Elevation for gravitational water flow	V
D. Elevation for gravitational water flow	Dr. LEENA A V

7. Which of the following is NOT a factor in designing the structural integrity of a water tank? A. Soil bearing capacity B. Wind load C. Seismic load (D) Paint color 8. What is the primary purpose of a retaining wall? A. To provide decoration in landscaping B. To retain soil and prevent erosion C. To support the structure of a building (D) To divide interior spaces 9. When estimating the volume of concrete required for a retaining wall, which of the following dimensions is NOT necessary? A. Length of the wall B. Height of the wall Thickness of the wall D. Color of the wall 10. In the context of retaining wall design, what is the significance of the "batter"? A. The type of materials used

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ASSESSMENT ON" ADVANCED QUANTITY SURVEY "- 02/05/2023-06/05/2023

ACADEMIC YEAR 2022-2023

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PAYYANUR, KANNUR

B. Proximity to the main roadC. Ease of access for maintenance

D Elevation for gravitational water flow

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C. Seismic load
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D. Color of the wall

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C. The base width of the wall

D. The reinforcement detailing

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WORKSHOP ON ADVANCED QUANTITY SURVEYING ASSESSMENT TEST

Sl. No.	NAME	MARK (10)
1	ABHIYUKTHA P V	9
2	ADARSH S V	7
3	ADITHYAN D	7
4	AKASH ASHOK	5
5	AKSHAY KRISHNAN	5
6	AMAL P R	A
7	AMRITHA A V	5
8	ANAGHA K	6
9	ANJANA T	8
10	ANJIMA B P	8
11	ANUSREE V	9
12	ARJUN DEV	7
13	ARYA RAMESH	7
14	ASHMITH RAMESH	5
15	AYSHA NASREEN	5
16	AYSHA RIZWANA	5
17	DHANUSH C P	9
18	DILSHA	6
19	DRISYA P V	7
20	FATHIMA ABDUL KAREEM	6

FATHIMATHUL SANA	5
GOPIKA P V	5
HIBA FAROOK AYAR	5-
KAVYA MANOJ	8
KIRAN K	5
LAXMI RANJITH	6
M JUMANA HASEEN	7
MITHUNA V P	7
MOHAMMED NIHAD P V	7
MUHAMMED MUHSIN T V	8
NANDITHA BABU	5
PRANAV V PRAKASH	5
RAHUL P	6
REVATHI K	6
RIYAZE KHALID	9
SAFA AMEER	9
SAFIYATH A P V	5
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and the state of t	5
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47	SREEMAI BAIJU	5
48	SREYA KRISHNA K V	c-

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Land Coordinator

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ASSESSMENT ON" COST ESTIMATION AND VALUATION TECHNIQUES "-04/04/2022 - 08/04/2022

ACADEMIC YEAR 2021-2022

- 1. What is the primary role of a quantity surveyor?
- A. Designing buildings
- B. Supervising construction work
- C. Estimating and managing construction costs
- D. Performing structural analysis
- 2. Which document provides a detailed list of quantities and materials required for a construction project?

A. Bill of Quantities

- B. Project Charter
- C. Construction Schedule
- D. Site Plan
- 3. What does the term "tendering" refer to in quantity surveying?
- A. The process of buying land
- B. The process of hiring subcontractors
- C. The process of inviting bids for a project
- D. The process of project completion
- 4. Which software is commonly used for quantity surveying tasks?
- A. AutoCAD
- B. Primavera
- C. Microsoft Project
- D. CostX
- 5. Which of the following is NOT a responsibility of a quantity surveyor?
- A. Preparing feasibility studies
- B. Contract administration
- C. Interior design
- D. Cost control during construction
- 6. What does "BOQ" stand for in the context of quantity surveying?

A. Bill of Quantities

- B. Balance of Quotation
- C. Building Operational Quality
- D. Basic Order Quotation
- 7. What is a contingency sum in a construction budget?

A. An amount set aside for unexpected expenses

- B. The profit margin of the contractor
- C. The total cost of materials
- D. The sum paid to subcontractors
- 8. Which of the following is a method used to estimate construction costs?
- A. Method of Moments
- **B. Elemental Cost Analysis**
- C. Finite Element Analysis
- D. Parametric Modeling
- 9. What is typically included in HVAC drawings?
- A. Electrical panel locations
- B. Plumbing fixture layouts
- C. Heating, Ventilation, and Air Conditioning systems
- D. Structural beam details
- 10. What does the term "reflected ceiling plan" (RCP) indicate in MEP drawings?
- A. The layout of furniture in a room
- B. The design of the roof structure
- C. The ceiling-mounted elements including lights and HVAC components
- D. The floor plan of a building



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ASSESSMENT ON" COST ESTIMATION AND VALUAT 04/04/2022 - 08/04/2022	TION TECHNIQUES "-
ACADEMIC YEAR 2021-2022	9.
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ACADEMIC YEAR 2021-2022	7
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ASSESSMENT ON" COST ESTIMATION AND VALUATION TECHNIQUES "-04/04/2022 - 08/04/2022

04/04/2022 - 08/04/2022	
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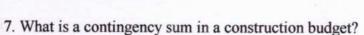
ASSESSMENT ON" COST ESTIMATION AND VALUATION TECHNIQUES "-04/04/2022 - 08/04/2022

ACADEMIC YEAR 2021-2022

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WORKSHOP ON WATER SYSTEM DESIGN

ASSESSMENT TEST

SL. NO.	NAME	MARK (10)		
1	ABDHUL MUSAVVIR KASIM	7		
2	ADARSH S V	6		
3	AISHWARYA RASH	5		
4	AISWARYA P P	5		
5	AJEEBA	5		
6	AKSHATHA KRISHNAN	6		
7	AMEGH P	6		
8	AMITHA SASIDHARAN	6		
9	ANAGHA K	5		
10	ANAGHA P	8		
11	ANAGHA SREEVALSAN U M	5		
12	ANAGHA T	7		
13	ANJALI K	5		
14	ANJANA T	6		
15	ANULAKSHMI P V	5		
16	APARNA B PREM	5		
17	APSARA E K	7		
18	AYSHA RIZWANA A K	8		
19	DILSHA M E	9		

20	GOKUL AMBILOTH	6
21	GOPIKA P V	6
22	HARITHA C V	7
23	HRISHIKA M	6
24	IRINGAKARAN RHISHI SASIDHARAN	7
25	KEERTHI RAJAN	7
26	MAHDIYA K V	6
27	MALAVIKA JAYAKUMAR	6
28	MANEESHA K V	5
29	MUHAMMED SINAN M P	8
30	MUHAMMED WASEEM ALI	8
31	MUHSIN MUTTOON	8
32	RAHID P V	7
33	SAFEERA K	6
34	SAYOOJYA SADANANDHAN P	5
35	SHARFANA JAFAR	8
36	SIDHIN K	7
37	SNEHA P V	6
38	SREERAG E N	5 .
39	SREERAG M	4
40	FATHIMA K K	5

Dr. LEENA A V
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PAYYANUR, KANNUR

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HOD

Coordinator

ASSESSMENT ON ONLINE WATER SYSTEM DESIGN

* In	dicates required question	
1.	NAME *	
2.	SEMESTER *	
3.	ACADEMIC YEAR *	
A	SSESSMENT QUESTIONS	
4.	EIA is costly and time consuming * Mark only one oval.	
	True False	
5.	EIA is necessary because * Mark only one oval.	
	development is bad for the environment there is growing interest in sustainability environmental impacts of developments are of public interest none of the above	Dr. LEENA A V PRINCIPAL SREE NARAYAMA GURU COLLEGE O ENGINEERING & TECHNOLOGY PAYYANUR, KANNUR

6.	The chemical composition of wastewater naturally reflects the origin from which * it came	
	Mark only one oval.	
	True False	
7.	The world's available fresh water supply is about percent of that total * water supply.	
	Mark only one oval.	
	<u> </u>	
	4	
	<u></u>	
	○7	
8.	How is iconic strength related to total dissolved solids? *	
	Mark only one oval.	
	I=(2.5x10-5)TDS	
	I=(2.5×105)TDS	
	I=2.5TDS	
	I = 2.5 x10 TDS	
9.	In water treatment which factor which has a major control over reaction * selectivity and product distribution?	
	Mark only one oval.	
	□ pH	
	temperature	
	pressure	
	ionic concentration Dr. LEENA A 1 PRINCIPAL SREE NARAYANA GURU COL ENGINEERING & TECHNO PAYYANUR, KANNUR	/ LEGE OF LOGY }

	Mark only one oval.	
	Reservoir	
	Penstock	
	Turbine blades	
	Pipe line	
11.	The average quantity of water (in lpcd) required for domestic purposes according to IS code is	*
	Mark only one oval.	
	<u> </u>	
	120	
	70	
	135	
12.	In which type of water demand, minimum average consumption of water takes place?	*
	Mark only one oval.	
	Domestic water demand	
	Industrial water demand	
	Institutional and commercial water demand	
	Fire demand	

10. Where is a water hammer developed? *

Mark only one oval.	
5663	
56630	
566300	
5663000	

13. What is the fire demand of the city of 1lakh population by Buston's formula? *

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ASSESSMENT TEST SCHEME

ACADEMIC YEAR 2020-2021

- 1. a. true
- 2. b.environmental impacts of developments are of public interest
- 3. aTrue
- 4. c3
- 5. $a I=(2.5x10^{-5})TDS$
- 6. a pH
- 7. b Penstock
- 8. d 135
- 9. d Fire demand
- 10. b 56630



DEPARTMENT OF CIVIL ENGINEERING

ASSESSMENT TEST SUMMARY

NAME	SEMESTER	ACADEMIC YEAR	EIA is costly and time consuming	EIA is necessary because	The chemical composition of wastewater naturally reflects the origin from which it came	The world's available fresh water supply is about percent of that total water supply.	How is iconic strength related to total dissolved solids?	In water treatment which factor which has a major control over reaction selectivity and product distribution?	Where is a water hammer developed?	The average quantity of water (in lpcd) required for domestic purposes according to IS code is	In which type of water demand, minimum average consumption of water takes place?	What is the fire demand of the city of 1lakh population by Buston's formula?
ABDHUL MUNAVVIR KASIM	S8	2020-21	TRUE	environmental impacts of developments are of public interest	TRUE	3	I=(2.5x10-5)TD S	рН	Penstock	120	Industrial water demand	566300
ADARSH S V	S8	2020-21	TRUE	environmental impacts of developments are of public interest	TRUE	3	I=(2.5x10-5)TD S	pressure	Reservoir	100	Domestic water demand	5663
FATHIMA K K	S8	20-21	FALSE	there is growing interest in sustainability	FALSE	4	I=(2.5×105)TD S	pН	Penstock	135	Fire demand	56630
Sneha P V	S8	20-21	TRUE	environmental impacts of developments are of public interest	TRUE	3	I=(2.5x10-5)TD S	рН	Reservoir	100	Domestic water demand	5663
Aiswarya P P	S8	2020-21	TRUE	environmental impacts of developments are of public interest	TRUE	3	I=(2.5x10-5)TD S	pressure	Turbine blades	70	Institutional and commercial water demand	566300
Anagha K	S8	2020-21	TRUE	environmental impacts of developments are of public interest	TRUE	3	I=(2.5x10-5)TD S	pressure	Turbine blades	100	Institutional and commercial water demand	5663
Aparna B Pream	S8	20-21	TRUE	environmental impacts of developments are of public interest	TRUE	4	I=(2.5x10-5)TD S	рН	Turbine blades	70	Institutional and commercial water demand	566300
DILSHA M E	S8	2020-21	TRUE	environmental impacts of developments are of public interest	TRUE	3	I=(2.5x10-5)TD S	рН	Turbine blades	135	Fire demand	56630
Muhammed Sinan M P	S8	2020-21	FALSE	development is bad for the environment	TRUE	3	I=(2.5x10-5)TD S	рН	Penstock	135	Fire demand	56630
Rishi	S8	2020-21	TRUE	environmental impacts of developments are of public interest	TRUE	3	I=(2.5x10-5)TD S	рН	Turbine blades	70	Institutional and commercial water demand	56630
Mahdiya K V	S8	2020-2021	FALSE	environmental impacts of developments are of public interest	FALSE	3	I=(2.5x10-5)TD S	рН	Penstock	135	Fire demand	56630
Gopika P V	S8	2020-21	TRUE	environmental impacts of developments are of public interest	TRUE	3	I=(2.5x10-5)TD S	рН	Reservoir	100	Domestic water demand	5663
Sayoogya	8	2020-21	TRUE	development is bad for the environment	TRUE	3	I=(2.5x10-5)TD S	рН	Reservoir	70	Domestic water demand	566300
Sreerag M	8	2020-21	TRUE	environmental impacts of developments are of public interest	TRUE	3	I = 2.5 x10 TDS	ionic concentration	Reservoir	100	Domestic water demand	5663000
Sharfana Jafar	8	20-21	TRUE	development is bad for the environment	TRUE	3	I=(2.5x10-5)TD S	рН	Reservoir	120	Fire demand	5663000
Muhammed Waseem Ali	8	2020-21	TRUE	environmental impacts of developments are of public interest	TRUE	10	I=(2.5x10-5)TD S	рН	Penstock	70	Industrial water demand	566300
Anagha P	8	2020-21	TRUE	environmental impacts of developments are of public interest	TRUE	10	I=(2.5x10-5)TD S	рН	Penstock	135	Industrial water demand	5663000
Ajeeba	8	2020-21	TRUE	there is growing interest in sustainability	TRUE	3	I=(2.5x10-5)TD S	рН	Turbine blades	70	Domestic water demand	5663

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DEPARTMENT OF CIVIL ENGINEERING

ASSESSMENT TEST SUMMARY

NAME	SEMESTER	ACADEMIC YEAR	EIA is costly and time consuming	EIA is necessary because	The chemical composition of wastewater naturally reflects the origin from which it came	The world's available fresh water supply is about percent of that total water supply.	How is iconic strength related to total dissolved solids?	In water treatment which factor which has a major control over reaction selectivity and product distribution?	Where is a water hammer developed?	The average quantity of water (in lpcd) required for domestic purposes according to IS code is	In which type of water demand, minimum average consumption of water takes place?	What is the fire demand of the city of 1lakh population by Buston's formula?
RAHID P V	8	2020-21	TRUE	environmental impacts of developments are of public interest	TRUE	3	I=(2.5x10-5)TD S	рН	Reservoir	70	Institutional and commercial water demand	56630
Amegh P	8	2020-21	TRUE	environmental impacts of developments are of public interest	TRUE	3	I=(2.5×10-5)TD S	рН	Reservoir	100	Domestic water demand	5663
Haritha CV	8	2020-21	TRUE	environmental impacts of developments are of public interest	FALSE	7	I = 2.5 x10 TDS	ionic concentration	Pipe line	135	Fire demand	56630
Sidhin K	8	2020-21	TRUE	environmental impacts of developments are of public interest	TRUE	3	I=(2.5x10-5)TD S	рН	Penstock	100	Domestic water demand	5663
Anagha T	8	2020-21	FALSE	environmental impacts of developments are of public interest	TRUE	3	I=(2.5x10-5)TD S	рН	Penstock	135	Fire demand	5663000
Anjana T	8	2020-21	TRUE	none of the above	FALSE	3	I=(2.5x10-5)TD S	рН	Penstock	70	Domestic water demand	56630
Apsara E K	VIII	2020-21	FALSE	none of the above	TRUE	7	I=(2.5x10-5)TD S	рН	Penstock	135	Fire demand	56630
Aysha Riswana AK	8	2020-21	TRUE	environmental impacts of developments are of public interest	TRUE	4	I=(2.5x10-5)TD S	рН	Penstock	135	Fire demand	56630
Maneesha K V	8	2020-21	TRUE	environmental impacts of developments are of public Interest	TRUE	3	I=(2.5x10-5)TD S	ionic concentration	Pipe line	100	Domestic water demand	5663
Amitha Sasidharan	8	2020-21	TRUE	environmental impacts of developments are of public interest	TRUE	3	I=(2.5x10-5)TD S	temperature	Penstock	100	Domestic water demand	5663
Gokul Ambiloth	8	2020-21	TRUE	environmental impacts of developments are of public interest	TRUE	10	I=(2.5x10-5)TD S	рН	Reservoir	100	Domestic water demand	5663
Keerthi Rajan	8	2020-21	FALSE	none of the above	FALSE	3	I=(2.5x10-5)TD S	рН	Penstock	135	Fire demand	56630
Mushin Muttoon	8	2020-21	TRUE	environmental impacts of developments are of public interest	FALSE	3	I=(2.5x10-5)TD S	temperature	Penstock	135	Domestic water demand	5663
Aiswarya Rash	8	2020-21	TRUE	environmental impacts of developments are of public interest	TRUE	3	I=(2.5x10-5)TD S	ionic concentration	Pipe line	100	Domestic water demand	5663
Akshatha Krishnan	S8	2020-21	TRUE	environmental impacts of developments are of public interest	TRUE	3	I=(2.5x10-5)TD S	рН	Reservoir	100	Domestic water demand	5663
Anagha Sreevalsan U M	\$8	2020-21	TRUE	environmental impacts of developments are of public interest	TRUE	3	I=(2.5×10-5)TD S	ionic concentration	Reservoir	100	Domestic water demand	5663
Hrishika M	S8	2020-21	TRUE	environmental impacts of developments are of public interest	FALSE	7	I = 2.5 x10 TDS	ionic concentration	Penstock	135	Fire demand	56630



DEPARTMENT OF CIVIL ENGINEERING

ASSESSMENT TEST SUMMARY

NAME	SEMESTER	ACADEMIC YEAR	EIA is costly and time consuming	EIA is necessary because	The chemical composition of wastewater naturally reflects the origin from which it came	The world's available fresh water supply is about percent of that total water supply.	How is iconic strength related to total dissolved solids?	In water treatment which factor which has a major control over reaction selectivity and product distribution?	Where is a water hammer developed?	The average quantity of water (in lpcd) required for domestic purposes according to IS code is	In which type of water demand, minimum average consumption of water takes place?	What is the fir demand of th city of 1lakh population by Buston's formula?
Malavika Jayakumar	SB	2020-21	TRUE	environmental impacts of developments are of public interest	TRUE	3	I=(2.5x10-5)TD S	рН	Pipe line	135	Fire demand	5663000
Safeera K	Sa	2020-21	TRUE	there is growing interest in sustainability	FALSE	7	I=(2.5x10-5)TD S	рН	Penstock	120	Industrial water demand	5663
Sreerag E N	SB	2020-21	TRUE	environmental impacts of developments are of public interest	TRUE	10	I=(2.5x10-5)TD S	рН	Pipe line	100	Domestic water demand	5663
Anjali K	S8	2020-21	TRUE	environmental impacts of developments are of public interest	TRUE	3	I=(2.5x10-5)TD S	temperature	Reservoir	100	Domestic water demand	5663
Anulakshmi P V	S8	2020-21	TRUE	development is bad for the environment	TRUE	3	I=(2.5x10-5)TD S	рН	Reservoir	100	Domestic water demand	5663

COORDINATOR

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ASSESSMENT TEST

Sl. No.	NAME	MARK (10)
1	ABIN DHAMODHAR	8
2	ADARSH B NAIR	7
3	AKHIL SURENDRAN	8
4	AMRITHA P	6
5	ANASWARA HAREENDRAN	6
6	ANGAJA PRAKASH	5
7	ANJALI V	6
8	ANOJA M	6
9	ARJUN M V	5
10	ASHIK K V	6
11	ASHIQ A K	7
12	DRISHYA K P	5
13	FATHIMA ABDHUL KAREEM	6
14	JITHIN KUMAR K P	6
15	KEERTHANA UTHAMAN	7
16	K NISHANA	7
17	KRISHNA R	8
18	KRISHNAVENI K	8
19	MIRSHAD E M	5
20	MUHAMMED SHAZ P	5

Xeena

21	NADA NAZAR OVINAKATH	5
22	NANMA JAYARAJ	7
23	NASHATH JALEEL	7
24	NAYANA RAGHUNATH	5
25	NEERAJA S	6
26	NIKESH K	5
27	SREENATH PRAKASH C	4
28	SREE PARVATHI S -	4
29	SUHAIRA PONNA VALAPPIL	8
30	SWANAM C	8
31	THEJAS P K	8
32	WASEEM ABDHUL WAHAM	7
33	ANURAGH M V	6
34	ANURANJ V K	7
35	AMAL RAJ E N	6
36	HARIKRISHNA SATHYARAJ	. 7
37	M P M OMER RIZVI KURIKKAL	8
38	VISHNU VIMAL	8
39	ARJUN BABU M	8
40	K P RAMEZ	7

Coordinator

&1 HOD

ASSESSMENT ON ONLINE TRAINING ON FUNDAMENTALS OF WATER DISTRIBUTION SYSTEM AND DESIGN

* In	dicates required question	
1.	NAME *	
2.	SEMESTER *	
3.	ACADEMIC YEAR *	
A	ASSESSMENT QUESTIONS	
4.	What is a hydronic system? * Mark only one oval.	
	A system that uses electricity for heating. A system that uses air for heating and cooling. A system that uses water or other liquids for heating.	l cooling.
	A system that uses gas for heating	

5.	Which component in a hydronic heating system is responsible for moving water	*
	through the pipes?	
	Mark only one oval.	
	Radiator	
	Thermostat	
	. Circulator pump	
	Expansion tank	
6.	What is the primary advantage of a hydronic heating system over a forced-air system?	*
	Mark only one oval.	
	Lower initial cost	
	More even heat distribution	
	Faster heating	
	Easier installation	
7.	Which of the following is a common application of hydronic systems? *	
	Mark only one oval.	
	Central air conditioning	
	Underfloor heating	
	Window air conditioners	
	Heat pumps	

8.	In a hydronic heating system, what is the function of the expansion tank? *
	Mark only one oval.
	To increase the water temperature
	To store extra water
	To accommodate the expansion and contraction of water as it heats and cools
	To filter impurities from the water
9.	What type of piping material is commonly used in modern hydronic systems for * its flexibility and durability?
	Mark only one oval.
	Copper
	□ PVC
	PEX (cross-linked polyethylene)
	Galvanized steel
10.	What is the role of a boiler in a hydronic heating system? *
	Mark only one oval.
	To cool the water
	To circulate the water
	To heat the water
	To filter the water

11.	Which of the following controls the temperature of the water in a hydronic * heating system?
	Mark only one oval.
	Thermostat
	Pressure relief valve
	Radiator
	Vent
12.	What is the primary function of a centrifugal pump? *
	Mark only one oval.
	To generate electricity
	To increase fluid pressure by using rotational energy
	To filter impurities from fluids
	To decrease fluid temperature
13.	Which component of a centrifugal pump is responsible for imparting kinetic * energy to the fluid?
	Mark only one oval.
	Diffuser
	Impeller
	Volute
	Shaft

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DEPARTMENT OF CIVIL ENGINEERING

"ADVANCED QUANTITY SURVEY

Question paper and scheme

ACADEMIC YEAR 2019-2020

1. What is a hydronic system?

A system that uses electricity for heating.

- B. A system that uses air for heating and cooling.
- C. A system that uses water or other liquids for heating and cooling.
- D. A system that uses gas for heating.
- 2. Which component in a hydronic heating system is responsible for moving water through the pipes?
 - A. Radiator
 - B. Thermostat
 - C. Circulator pump
 - D. Expansion tank
- 3. What is the primary advantage of a hydronic heating system over a forced-air system?
 - A. Lower initial cost
 - B. More even heat distribution
 - C. Faster heating
 - D. Easier installation
- 4. Which of the following is a common application of hydronic systems?
 - A. Central air conditioning
 - B. Underfloor heating
 - C. Window air conditioners
 - D. Heat pumps
- 5. In a hydronic heating system, what is the function of the expansion tank?

A. To increase the water temperature

- B. To store extra water
 - C. To accommodate the expansion and contraction of water as it heats and cools
 - D. To filter impurities from the water
- 6. What type of piping material is commonly used in modern hydronic systems for its flexibility and durability?
 - A. Copper
 - B. PVC
 - C. PEX (cross-linked polyethylene)
 - D. Galvanized steel
- 7. What is the role of a boiler in a hydronic heating system?
 - A. To cool the water
 - B. To circulate the water
 - C. To heat the water
 - D. To filter the water
- 8. Which of the following controls the temperature of the water in a hydronic heating system?
 - A. Thermostat
 - B. Pressure relief valve
 - C. Radiator
 - D. Vent
 - 9. What is the primary function of a centrifugal pump?
 - A. To generate electricity
 - B. To increase fluid pressure by using rotational energy
 - C. To filter impurities from fluids
 - D. To decrease fluid temperature
- 10. Which component of a centrifugal pump is responsible for imparting kinetic energy to the fluid?
 - A. Diffuser
 - B. Impeller
 - C. Volute
 - D. Shaft

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PAYYANUR, KANNUR



DEPARTMENT OF CIVIL ENGINEERING

ASSESSMENT TEST SUMMARY

NAME	SEMES TER	ACADEMIC YEAR	What is a hydronic system?	Which component in a hydronic heating system is responsible for moving water through the pipes?	What is the primary advantage of a hydronic heating system over a forced-air system?	Which of the following is a common application of hydronic systems?	In a hydronic heating system, what is the function of the expansion tank?	What type of piping material is commonly used in modern hydronic systems for its flexibility and durability?	What is the role of a boiler in a hydronic heating system?	Which of the following controls the temperature of the water in a hydronic heating system?	What is the primary function of a centrifugal pump?	Which component of a centrifugal pump is responsible for imparting kinetic energy to the fluid?
ABIN DAMODHAR	S8	2019-2020	A system that uses water or other liquids for heating and cooling.	. Circulator pump	Faster heating	Underfloor heating	To accommodate the expansion and contraction of water as it heats and cools	PEX (cross-linked polyethylene)	To filter the water	Thermostat	To increase fluid pressure by using rotational energy	Impeller
Anoja M	S8	2019-20	A system that uses water or other liquids for heating and cooling.	, Circulator pump	More even heat distribution	Underfloor heating	To accommodate the expansion and contraction of water as it heats and cools	PEX (cross-linked polyethylene)	To circulate the water	Pressure relief valve	To generate electricity	Volute
Arjun M V	S8	2019-20	A system that uses water or other liquids for heating and cooling.	. Circulator pump	Faster heating	Central air conditioning	To accommodate the expansion and contraction of water as it heats and cools	Galvanized steel	To heat the water	Pressure relief valve	To increase fluid pressure by using rotational energy	Impeller
Drishya KP	S8	2019-2020	A system that uses water or other liquids for heating and cooling.	. Circulator pump	More even heat distribution	Window air conditioners	To accommodate the expansion and contraction of water as it heats and cools	PVC	To heat the water	Pressure relief valve	To generate electricity	Diffuser
Keerthana Uthaman	S8	2019-20	A system that uses water or other liquids for heating and cooling.	. Circulator pump	Easier installation	Heat pumps	To accommodate the expansion and contraction of water as it heats and cools	PVC	To heat the water	Thermostat	To increase fluid pressure by using rotational energy	Impeller
Muhammed Shaz	S8	2019-20	A system that uses water or other liquids for heating and cooling.	Thermostat	More even heat distribution	Underfloor heating	To store extra water	PEX (cross-linked polyethylene)	To cool the water	Pressure relief valve	To increase fluid pressure by using rotational energy	Volute
Amal Raj E N	S8	2019-20	A system that uses water or other liquids for heating and cooling.	Radiator	More even heat distribution	Central air conditioning	To accommodate the expansion and contraction of water as it heats and cools	PEX (cross-linked polyethylene)	To cool the water	Thermostat	To generate electricity	Impeller
Vishnu Vimal	S8	2019-20	A system that uses air for heating and cooling.	. Circulator pump	Easier installation	Underfloor heating	To accommodate the expansion and contraction of water as it heats and cools	PEX (cross-linked polyethylene)	To heat the water	Thermostat	To increase fluid pressure by using rotational energy	Impeller
Arjun Babu	S8	2019-20	A system that uses water or other liquids to heating and cooling.	r Thermostat	More even heat distribution	Window air conditioners	To accommodate the expansion and contraction of water as it heats and cools	PEX (cross-linked polyethylene)	To heat the water	Thermostat	To increase fluid pressure by using rotational energy	Impeller
Sreenath	S8	2019-20	A system that uses air for heating and cooling.	. Circulator pump	More even heat distribution	Window air conditioners	To store extra water	. Copper	To heat the water	Pressure relief valve	To decrease fluid temperature	Impeller
Prakash Nayana Raghunath	S8	2019-20	A system that uses water or other liquids fo heating and cooling.			Central air conditioning	To accommodate the expansion and contraction of water as it heats and cools	. Copper	To cool the water	Thermostat	To generate electricity	Impeller
Nanma jayaraj	58	2019-20	A system that uses water or other liquids fo heating and cooling.	r . Circulator pump	More even heat distribution	Underfloor heating	To filter impurities from the water	. Copper	To heat the water	Pressure relief valve	To increase fluid pressure by using rotational energy	Impeller



DEPARTMENT OF CIVIL ENGINEERING

ASSESSMENT TEST SUMMARY

NAME	SEMES TER	ACADEMIC YEAR	What is a hydronic system?	Which component in a hydronic heating system is responsible for moving water through the pipes?	What is the primary advantage of a hydronic heating system over a forced-air system?	Which of the following is a common application of hydronic systems?	In a hydronic heating system, what is the function of the expansion tank?	What type of piping material is commonly used in modern hydronic systems for its flexibility and durability?	What is the role of a boiler in a hydronic heating system?	Which of the following controls the temperature of the water in a hydronic heating system?	What is the primary function of a centrifugal pump?	Which component of a centrifugal pump is responsible for imparting kinetic energy to the fluid?
Sree parvathi S	S8	2019-20	A system that uses water or other liquids for heating and cooling.	Thermostat	Easier installation	Heat pumps	To accommodate the expansion and contraction of water as it heats and cools	PEX (cross-linked polyethylene)	To heat the water	Pressure relief valve	To generate electricity	Diffuser
Adarsh 8 Nair	S8	2019-20	A system that uses air for heating and cooling,	. Circulator pump	Lower initial cost	Underfloor heating	To accommodate the expansion and contraction of water as it heats and cools	PEX (cross-linked polyethylene)	To heat the water	Thermostat	To increase fluid pressure by using rotational energy	Impeller
Ashik KV	S8	2019-20	A system that uses air for heating and cooling.	. Circulator pump	More even heat distribution	Underfloor heating	To store extra water	. Copper	To cool the water	Thermostat	To increase fluid pressure by using rotational energy	Impeller
Angaja Prakash	S8	2019-20	A system that uses water or other liquids for heating and cooling.	, Circulator pump	More even heat distribution	Underfloor heating	To accommodate the expansion and contraction of water as it heats and cools	. Copper	To cool the water	Pressure relief valve	To generate electricity	Shaft
Jithin Kumar K, P	S8	2019-20	A system that uses air for heating and cooling.	, Circulator pump	Lower initial cost	Underfloor heating	To store extra water	PVC	To heat the water	Thermostat	To increase fluid pressure by using rotational energy	Impeller
Amritha P	S8	2019-20	A system that uses water or other liquids for heating and cooling.	. Circulator pump	Lower initial cost	Window air conditioners	To accommodate the expansion and contraction of water as it heats and cools	PEX (cross-linked polyethylene)	To heat the water	Pressure relief valve	To generate electricity	Impeller
Fathima Abdul Kareen	S8	2019-20	A system that uses electricity for heating,	Thermostat	Lower initial cost	Underfloor heating	To accommodate the expansion and contraction of water as it heats and cools	PEX (cross-linked polyethylene)	To cool the water	Thermostat	To increase fluid pressure by using rotational energy	Impeller
Krishnaveni K	S8	2019-29	A system that uses air for heating and cooling.	. Circulator pump	More even heat distribution	Window air conditioners	To accommodate the expansion and contraction of water as it heats and cools	PEX (cross-linked polyethylene)	To heat the water	Thermostat	To increase fluid pressure by using rotational energy	Impeller
Mirshad E. M	S8	2019-20	A system that uses air for heating and cooling.	Thermostat	More even heat distribution	Underfloor heating	To accommodate the expansion and contraction of water as it heats and cools	PEX (cross-linked polyethylene)	To cool the water	Thermostat	To decrease fluid temperature	Shaft
Nada Nazar Ovinakath	S8	2019-20	A system that uses air for heating and cooling.	. Circulator pump	More even heat distribution	Underfloor heating	To accommodate the expansion and contraction of water as it heats and cools	PEX (cross-linked polyethylene)	To cool the water	Pressure relief valve	To generate electricity	Shaft
Neeraja S	S8	2019-20	A system that uses air for heating and cooling.	Radiator	Lower initial cost	Underfloor heating	To store extra water	PEX (cross-linked polyethylene)	To heat the water	Thermostat	To increase fluid pressure by using rotational energy	Impeller
Nikesh K	S8	2019-20	A system that uses electricity for heating.	. Circulator pump	More even heat distribution	Central air conditioning	To increase the water temperature	Galvanized steel	To heat the water	Thermostat	To generate electricity	Impeller

Kem



DEPARTMENT OF CIVIL ENGINEERING

ASSESSMENT TEST SUMMARY

NAME	SEMES TER	ACADEMIC YEAR	What is a hydronic system?	Which component in a hydronic heating system is responsible for moving water through the pipes?	What is the primary advantage of a hydronic heating system over a forced-air system?	Which of the following is a common application of hydronic systems?	In a hydronic heating system, what is the function of the expansion tank?	What type of piping material is commonly used in modern hydronic systems for its flexibility and durability?	What is the role of a boiler in a hydronic heating system?	Which of the following controls the temperature of the water in a hydronic heating system?	What is the primary function of a centrifugal pump?	Which component of a centrifugal pump is responsible for imparting kinetic energy to the fluid?
Swanam C	S8	2019-20	A system that uses water or other liquids for heating and cooling.	Thermostat	Faster heating	Underfloor heating	To accommodate the expansion and contraction of water as it heats and cools	PEX (cross-linked polyethylene)	To heat the water	Thermostat	To increase fluid pressure by using rotational energy	Impeller
Anuragh M. V	S8	2019-20	A system that uses water or other liquids for heating and cooling.	. Circulator pump	More even heat distribution	Underfloor heating	To store extra water	PEX (cross-linked polyethylene)	To cool the water	Radiator	To decrease fluid temperature	Shaft
Krishnaveni K	S8	2019-20	A system that uses water or other liquids for heating and cooling.	Thermostat	More even heat distribution	Central air conditioning	To accommodate the expansion and contraction of water as it heats and cools	PEX (cross-linked polyethylene)	To heat the water	Thermostat	To increase fluid pressure by using rotational energy	Impeller
K, Nishana	S8	2019-20	A system that uses water or other liquids for heating and cooling.	. Circulator pump	Lower initial cost	Central air conditioning	To accommodate the expansion and contraction of water as it heats and cools	PEX (cross-linked polyethylene)	To heat the water	Pressure relief valve	To increase fluid pressure by using rotational energy	Impeller
Krishna R	S8	2019-20	A system that uses water or other liquids for heating and cooling.	Radiator	More even heat distribution	Underfloor heating	To increase the water temperature	PEX (cross-linked polyethylene)	To heat the water	Thermostat	To increase fluid pressure by using rotational energy	Impeller
Nashath Jaleel	S8	2019-20	A system that uses electricity for heating.	Thermostat	More even heat distribution	Underfloor heating	To accommodate the expansion and contraction of water as it heats and cools	PEX (cross-linked polyethylene)	To circulate the water	Thermostat	To generate electricity	Impeller
Akhil Surendran	S8	2019-20	A system that uses water or other liquids for heating and cooling.	. Circulator pump	Faster heating	Window air conditioners	To accommodate the expansion and contraction of water as it heats and cools	PEX (cross-linked polyethylene)	To heat the water	Thermostat	To increase fluid pressure by using rotational energy	Impeller
ANASWARA HAREENDRAN	S8	2019-20	A system that uses air for heating and cooling.	Radiator	More even heat distribution	Underfloor heating	To store extra water	PVC	To heat the water	Thermostat	To increase fluid pressure by using rotational energy	Impeller
ANJALI V	S8	2019-20	A system that uses electricity for heating.	. Circulator pump	Lower initial cost	Central air conditioning	To accommodate the expansion and contraction of water as it heats and cools	PEX (cross-linked polyethylene)	To heat the water	Radiator	To increase fluid pressure by using rotational energy	Impeller
ASHIQ A K	58	2019-20	A system that uses electricity for heating.	Radiator	More even heat distribution	Underfloor heating	To increase the water temperature	PEX (cross-linked polyethylene)	To heat the water	Thermostat	To increase fluid pressure by using rotational energy	
SUHAIRA PONNA VALAPPIL	S8	2019-20	A system that uses water or other liquids for heating and cooling.	. Circulator pump	Lower initial cost	Central air conditioning	To accommodate the expansion and contraction of water as it heats and cools	PEX (cross-linked polyethylene)	To heat the water	Thermostat	To increase fluid pressure by using rotational energy	
THEJUS P K	S8	2019-20	A system that uses electricity for heating.	. Circulator pump	Lower initial cost	Underfloor heating	To accommodate the expansion and contraction of water as it heats and cools	PEX (cross-linked polyethylene)	To heat the water	Thermostat	To increase fluid pressure by using rotational energy	



DEPARTMENT OF CIVIL ENGINEERING

ASSESSMENT TEST SUMMARY

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WASEEM ABDUL WAHAM	S8	2019-20	A system that uses water or other liquids for heating and cooling.	. Circulator pump	More even heat distribution	Underfloor heating	To increase the water temperature	. Copper	To heat the water	Pressure relief valve	To increase fluid pressure by using rotational energy	Impeller
ANURANJ V.K	S8	2019-20	A system that uses water or other liquids for heating and cooling.	Radiator	More even heat distribution	Underfloor heating	To store extra water	PEX (cross-linked polyethylene)	To cool the water	Thermostat	To increase fluid pressure by using rotational energy	Impeller
HARIKRISHNA SATHYARAJ	S8	2019-20	A system that uses water or other liquids for heating and cooling.	Radiator	More even heat distribution	Underfloor heating	To increase the water temperature	Galvanized steel	To heat the water	Thermostat	To increase fluid pressure by using rotational energy	Impeller
M P M OMER RIZVI KURIKKAL	S8	2019-20	A system that uses water or other liquids for heating and cooling.	. Circulator pump	More even heat distribution	Underfloor heating	To accommodate the expansion and contraction of water as it heats and cools	PEX (cross-linked polyethylene)	To heat the water	Thermostat	To filter impurities from fluids	Diffuser
K.P RAMEZ	S8	2019-20	A system that uses air for heating and cooling.	Radiator	More even heat distribution	Underfloor heating	To store extra water	PEX (cross-linked polyethylene)	To heat the water	Thermostat	To increase fluid pressure by using rotational energy	Impeller
PRANAV K.K	S8	2019-20	A system that uses air for heating and cooling.	. Circulator pump	More even heat distribution	Underfloor heating	To store extra water	. Copper	To heat the water	Pressure relief valve	To increase fluid pressure by using rotational energy	Impeller

(Coordinator)

Xee

Dr. LEENA A V
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING A TECHNOLOGY
PAYYANIB KANAUE

(HOD, CE)



DEPARTMENT OF CIVIL ENGINEERING

WORKSHOP ASSESSMENT TEST - AY 2018 - 2019

Sl. No.	NAME	MARK (10)
1	AISWARYA JAYAKUMAR	7
2	AKSHAY C P	8
3	AMAL RAJ E N	7
4	ANJANA K	6
5	ANUSHA M	5
6	ANUSREE K	8
7	ANUSREE M	8
8	ANUSREE K K	7
9	ARJUN BABU M	9
10	ATHIRA K V	7
11	ATHIRA KRISHNAN K P	7
12	AYUSHRAJ P P	7
13	DRISHYA K	6
14	FARHANA SHERIN K	7
15	FATHIMA ABDHULLA KUNHI	7
16	GOPIKA G K	8
17	HARIKRISHNA SATHYARAJ	7
18	JINSHA C P	7
19	JINSHARAJ K V	8
20	JOYSON MATHEW	9
21	K P RAMEZ	7

22	KEERTHANA N	8
23	M P M OMER RIZVI KURIKKAL	8
24	NIHITHA LOHITHAKSHAN K	7
25	NILUFAR FATHIMA	8
26	NITHIN T V	8
27	PRANAV K K	7
28	PRASHOB KRISHNAN C	7
29	RAZMIYATH MOHAMMED RAFI	8
30	SAHADA V P	7
31	SAHLA ABOOBACKER	6
32	SAHLA C A	6
33	SARATH P P	5
34	SHIFA AMEER	5
35	SNEHA P V	4
36	SREYA JAYARAJAN M K	4
37	SUDHINA RAJ K	5
38	VARNA A	5
39	VIDYA BALAKRISHNAN K P	7
40	VISHNU VIMAL	8

V YELL

Coordinator

HOD



DEPARTMENT OF CIVIL ENGINEERING

ASSESSMENT ON" HANDS ON TRAINING ON ADVANCED DESIGN TECHNIQUES "- 15/04/2019-19/04/2019

Question paper and scheme

ACADEMIC YEAR 2018-2019

1.	Which of the	following statements are	false?
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- a) land use planning systems do the same thing as EIA
- b) EIA is intended to be a rational and comprehensive assessment
- c) EIA is costly and time consuming
- d) EIA is a process

2.EIA is necessary be	cause	: /
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- a) development is bad for the environment
- b) there is growing interest in sustainability
- c) environmental impacts of developments are of public interest
- d) none of the above

3.The	chemical	composition	of	wastewater	naturally	reflects	the	origin	from	which	it
came.											

- a)True
- b) False

4. The world's available	fresh water	supply	is about	percent	of that	total	water
supply.							

a)10

b)4

c)3

d) 7

5. How is iconic strength related total dissolved solids? to a) $I=(2.5\times10^{-5})TDS$

b) $I=(2.5\times10^5)TDS$

c)I=2.5TDS

d) $I = 2.5 \times 10 \text{ TDS}$

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6.In water treatment which factor which has a major control over reaction selectivity and product distribution?
а)рН
b)temperature
c)pressure
d) ionic concentration
7. Where is a water hammer developed?
a Reservoir
b) Penstock
c) Turbine blades
d) Pipe line
8. The average quantity of water (in lpcd) required for domestic purposes according to IS
code is
a) 100
b) 120
c) 70
d) 135
9.In which type of water demand, minimum average consumption of water takes place?
a) Domestic water demand
b) Industrial water demand
c) Institutional and commercial water demand
d) Fire demand
10. What is the fire demand of the city of 1lakh population by Buston's formula?
a) 5663
b) 56630

c) 566300 d) 5663000



product

(a)pH

distribution?

SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

ASSESSMENT ON" HANDS ON TRAINING ON ADVANCED DESIGN TECHNIQUES "- 15/04/2019-19/04/2019

	ACADEMIC YEAR 2018-2019
a) b) c)	Which of the following statements are false? land use planning systems do the same thing as EIA EIA is intended to be a rational and comprehensive assessment EIA is costly and time consuming EIA is a process
2.E	EIA is necessary because?
a)	development is bad for the environment
b)	there is growing interest in sustainability
-	environmental impacts of developments are of public interest
d)	none of the above
3.	The chemical composition of wastewater naturally reflects the origin from which it came. (a) True (b) False
2	The world's available fresh water supply is about percent of that total water supply. a)10 b)4 d) 7
58.	How is iconic strength related to total dissolved solids? b)I= (2.5×10^{-5}) TDS c)I= (2.5×10^{5}) TDS d) I = (2.5×10^{5}) TDS

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DEPARTMENT OF CIVIL ENGINEERING	
ASSESSMENT ON" HANDS ON TRAINING ON ADVANCED DESIGN TECHNIQUES "- 15/04/2019-19/04/2019	
ACADEMIC YEAR 2018-2019	
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 2.EIA is necessary because? a) development is bad for the environment b) there is growing interest in sustainability c) environmental impacts of developments are of public interest d) hone of the above 	
 The chemical composition of wastewater naturally reflects the origin from which it came. a)True b) False 	
The world's available fresh water supply is about percent of that total water supply. a)10 b)4 c)3 d) 7	
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6.In water treatment which factor which has a major control over reaction selectivity and product distribution? a)pH Dr. LEENA A V PRINCIPAL SREE NARAYANA GURU COLLE ENGINEERING & TECHNOLE ENGINEERING & T	0

b)temperature
c)pressure
d)onic concentration
7. Where is a water hammer developed?
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ASSESSMENT ON" HANDS ON TRAINING ON ADVANCED DESIGN TECHNIQUES "- 15/04/2019-19/04/2019

	"- 15/04/2019-19/04/	2019		
	ACADEMIC YEAR 2018	-2019		
 Which of the following a) land use planning system b) EIA is intended to be a second of EIA is costly and time of the EIA is a process 	ns do the same thing as rational and comprehen			8/10
2.EIA is necessary because a) development is bad for the b) there is growing interest c) environmental impacts of the above	the environment in sustainability	public interest		
3. The chemical composite came. (a) True b) False	ion of wastewater natu	rally reflects the	e origin from	which it
The world's available from supply. a)10 b)4 c)3 d)	resh water supply is abo	out per	cent of that to	tal water
5. How is iconic (a) $I = (2.5 \times 10^{-5})$ TDS b) $I = (2.5 \times 10^{5})$ TDS c) $I = 2.5$ TDS d) $I = 2.5$ x10 TDS	strength related	to total	dissolved	solids?
6.In water treatment which product distribution?	factor which has a maj	or control over r	V	ENA A V NOTPAL OUTPAL O

c)pressure
d) ionic concentration
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d) Fire demand
a) no acmana
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(6) 56630
c) 566300
d) 5663000



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ASSESSMENT ON" HANDS ON TRAINING ON ADVANCED DESIGN TECHNIQUES "- 15/04/2019-19/04/2019

ACADEMIC \	/EAR	2018-2019
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1. Which of the following statements are false?

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The world's available fresh water supply is about percent of that total water supply. a)10 b)4 c)3 d) 7
How is iconic strength related to total dissolved solids? a) $I=(2.5\times10^{-5})$ TDS b) $I=(2.5\times10^{5})$ TDS c) $I=2.5$ TDS d) $I=2.5$ x10 TDS
6.In water treatment which factor which has a major control over reaction selectivity and
product distribution?
a)pH PRINCIPAL
SREE NARAYANA GURU GOLL
ENGINEERING

b)temperature c)pressure d) ionic concentration 7. Where is a water hammer developed? a Reservoir b) Penstock c) Turbine blades d) Pipe line 8. The average quantity of water (in lpcd) required for domestic purposes according to IS code is a) 100 b) 120 c) 70 d) 135 9.In which type of water demand, minimum average consumption of water takes place? a) Domestic water demand b) Industrial water demand c) Institutional and commercial water demand d) Fire demand 10. What is the fire demand of the city of 1lakh population by Buston's formula? a) 5663 b) 56630 c) 566300 dy 5663000

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product

a)pH

distribution?

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ASSESSMENT ON" HANDS ON TRAINING ON ADVANCED DESIGN TECHNIQUES "- 15/04/2019-19/04/2019

ACADEMIC YEAR 2018-2019	
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How is iconic strength related to total dissolved b) $I=(2.5\times10^{-5})$ TDS b) $I=(2.5\times10^{-5})$ TDS c) $I=(2.5\times10^{-5})$ TDS d) $I=(2.5\times10^{-5})$ TDS	solids?
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c),Turbine blades	
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Sree Narayana Guru College of Engineering & Technology



CHALAKKODE P.O., KOROM, PAYYANUR, KANNUR-670 307

COMPUTER SCIENCE AND ENGINEERING



SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR -2022-23

ASSESSMENT ON "FIVE DAY WORKSHOP ON OS INSTALLATION – 13/3/2023 TO 17/3/2023" MARKSHEET

SL.NO.	REGISTER NO.	NAME	MARKS
1	SNC22CS005	ABHINAV P P	10 ·
2	SNC22CS013	AKHIL SANTHOSH	12
3	SNC22CS015	AMARNATH BALAN C	10
4	SNC22CS017	ANUNANDA V K	17
5	SNC22CS018	ANURAG C P	12
6	SNC22CS019	ANUSREE RATHEESH	16
7	SNC22CS020	ANUSRUTHI K MANOJ	18
8	SNC22CS021	ARCHANA P V	17
9	SNC22CS024	ASWIN RAJ	15
10	SNC22CS025	AVANI C	19
11	SNC22CS027	FATHIMA HASHIM	18
12	SNC22CS031	GOPIKA V	18
13	SNC22CS032	HANNA R P	15 •
14	SNC22CS033	HARIKRISHNAN K	10
15	SNC22CS037	MANJIMA A N	19
16	SNC22CS041	MEGHNA MANOJ	19 -
17	SNC22CS043	MOHAMMED MAZINKV	10

18	SNC22CS045	MUBASHIR K C	19
19	SNC22CS047	MUHAMMED AMRE ASHRAF	10
20	SNC22CS049	NAAZ ABDUL JALEEL	10
21	SNC22CS050	NANDANA K P	19
22	SNC22CS052	NEHA MANU	19
23	SNC22CS053	NEHA RAMESH	18
24	SNC22CS056	NIHARIKA P	19
25	SNC22CS057	PRITIKA NITTUR	12 .
26	SNC22CS058	ROSLIN JIMMY	15
27	SNC22CS059	SANGEERTH SAJEEV	10
28	SNC22CS060	SHAHANAS CP	18
29	SNC22CS063	SREEHARI M	12
30	SNC22CS064	SREELAKSHMI E	10
31	SNC22CS065	VYSHNA SHAJI	10

Nimisha M.K Event Coordinated

S. HODICUE

REGISTER NO:	NAME:
REGISTER NO	111 111112



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ASSESSMENT ON "FIVE DAY WORKSHOP ON OS INSTALLATION - 13/3/2023 TO 17/3/2023"

ACADEMIC YEAR 2022-23

QUESTION PAPER AND SCHEME

- 1. What is the primary function of a CPU in a computer system?
 - a) Storage of data
 - b) Execution of instructions
 - c) Display of output
 - d) Network communication
- 2. Which component of a computer is responsible for storing data permanently even when the power is turned off?
 - a) CPU
 - b) RAM
 - c) Hard Disk Drive (HDD)
 - d) Cache memory
- 3. Which of the following is NOT a primary component of a computer system?
 - a) Input devices
 - b) Output devices
 - c) Secondary storage
 - d) Operating system
- 4. The term "BIOS" stands for:

Leve

a) Basic Input/Output System

- b) Binary Input/Output System
- c) Basic Integrated Operating System
- d) Binary Integrated Operating System
- 5. Which of the following is a function of an operating system?
 - a) Managing hardware resources
 - b) Providing physical memory to applications
 - c) Translating high-level programming languages into machine code
 - d) Performing arithmetic and logical operations
- 6. What is the purpose of the 'format' command during OS installation?
 - a) To delete all existing data on the hard disk
 - b) To install device drivers
 - c) To partition the hard disk
 - d) To install application software
- 7. Which file system is commonly used in Windows operating systems?
 - a) NTFS
 - b) HFS+
 - c) ext4
 - d) FAT32
- 8. What is the purpose of device drivers in an operating system?
 - a) To format the hard disk
 - b) To manage hardware components
 - c) To create user accounts
 - d) To install software applications
- 9. Which of the following is a role of the kernel in an operating system?

Dr. LEENA AV
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- a) Managing applications
- b) Interpreting programming languages
- c) Handling input/output operations
- d) Formatting storage devices
- 10. Which type of operating system allows multiple users to access the system simultaneously?
 - a) Single-user operating system
 - b) Multi-tasking operating system
 - c) Multi-user operating system
 - d) Real-time operating system
- 11. During the installation process, which step typically involves selecting the language, time zone, and keyboard layout?
 - a) Partitioning
 - b) Formatting
 - c) Configuration
 - d) Localization
- 12. Which partitioning scheme is commonly used for installing multiple operating systems on the same hard drive?
 - a) MBR (Master Boot Record)
 - b) GPT (GUID Partition Table)
 - c) FAT (File Allocation Table)
 - d) NTFS (New Technology File System)
- 13. Which of the following file systems is commonly used by Linux distributions?
 - a) NTFS
 - b) FAT32
 - c) ext4
 - d) HFS+

- 14. Which step in the installation process involves copying files from the installation media to the hard drive?
 a) Partitioning
 b) Formatting
 c) Installation
 d) Configuration
- 15. What is the purpose of the bootloader during the OS installation process?
 - a) It manages the installation process.
 - b) It prepares the hard drive for installation.
 - c) It loads the operating system into memory during startup.
 - d) It configures user settings.
- 16. Which of the following is NOT typically required during the installation of an operating system?
 - a) Product key
 - b) User account details
 - c) Network configuration
 - d) Graphics card driver
- 17. Which installation method allows the user to run the OS from a USB drive without permanently installing it on the hard drive?
 - a) Clean install
 - b) Dual-boot
 - c) Live CD/USB
 - d) Network installation
- 18. What is the purpose of the "custom" installation option during OS installation?
 - a) It installs the OS with default settings.
 - b) It allows the user to choose which components to install.
 - c) It formats the hard drive.

- d) It configures the network settings automatically.
- 19. Which utility is commonly used to create a bootable USB drive for installing an operating system?
 - a) Disk Management
 - b) Disk Cleanup
 - c) Disk Defragmenter
 - d) Rufus
- 20. What is the primary function of the "setup" program during the OS installation process?
 - a) To partition the hard drive
 - b) To configure device drivers
 - c) To copy installation files to the hard drive
 - d) To configure user preferences

Nim TO

REGISTER NO: SNC22.CS.0.5.8.

NAME: Roslin Jimmy



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ASSESSMENT ON "FIVE DAY WORKSHOP ON OS INSTALLATION - 13/3/2023 TO 17/3/2023"

ACADEMIC YEAR 2022-23

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 - c) Hard Disk Drive (HDD)
 - d) Cache memory
- 3. Which of the following is NOT a primary component of a computer system?
 - a) Input devices
 - b) Output devices
 - c) Secondary storage
 - d) Operating system

. The term "BIOS" stands for:

a) Basic Input/Output System

PRINCIPAL PRINCIPAL SREE NARAYANA GURU COL ENGINEERING & TECHNIC

- b) Binary Input/Output Systemc) Basic Integrated Operating Systemd) Binary Integrated Operating System
- 5. Which of the following is a function of an operating system?
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- 6. What is the purpose of the 'format' command during OS installation?
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- 7. Which file system is commonly used in Windows operating systems?
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 - c) ext4
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- 9. Which of the following is a role of the kernel in an operating system?

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- b) Interpreting programming languages
- c) Handling input/output operations
- d) Formatting storage devices
- 10. Which type of operating system allows multiple users to access the system simultaneously?
 - a) Single-user operating system
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- 12. Which partitioning scheme is commonly used for installing multiple operating systems on the same hard drive?
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- 13. Which of the following file systems is commonly used by Linux distributions?
 - a) NTFS

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- 1

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14. Which step in the installation process involves copying files from the installation media to the hard drive? a) Partitioning b) Formatting c) Installation d) Configuration 15. What is the purpose of the bootloader during the OS installation process? a) It manages the installation process. b) It prepares the hard drive for installation. c) It loads the operating system into memory during startup. d) It configures user settings. 16. Which of the following is NOT typically required during the installation of an operating system? a) Product key b) User account details c) Network configuration d) Graphics card driver 17. Which installation method allows the user to run the OS from a USB drive without permanently installing it on the hard drive? a) Clean install (b) Dual-boot c) Live CD/USB d) Network installation 18. What is the purpose of the "custom" installation option during OS installation? a) It installs the OS with default settings. b) It allows the user to choose which components to install.

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- d) It configures the network settings automatically.
- 19. Which utility is commonly used to create a bootable USB drive for installing an operating system?
 - a) Disk Management
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 - b) To configure device drivers
 - c) To copy installation files to the hard drive
 - d) To configure user preferences

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REGISTER NO: SNCXCSOOS

NAME: Abhiray PP



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ASSESSMENT ON "FIVE DAY WORKSHOP ON OS INSTALLATION - 13/3/2023 TO 17/3/2023"

ACADEMIC YEAR 2022-23

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- 4. The term "BIOS" stands for:

Basic Input/Output System

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- b) Binary Input/Output System
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- 5. Which of the following is a function of an operating system?
 - Managing hardware resources
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- 9. Which of the following is a role of the kernel in an operating system?

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- b) Interpreting programming languages
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- **★** Formatting
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14. Which step in the installation process involves copying files from the installation media to the hard drive? a) Partitioning b) Formatting (Installation d) Configuration 15. What is the purpose of the bootloader during the OS installation process? It manages the installation process. b) It prepares the hard drive for installation. c) It loads the operating system into memory during startup. d) It configures user settings. 16. Which of the following is NOT typically required during the installation of an operating system? a) Product key W User account details c) Network configuration d) Graphics card driver 17. Which installation method allows the user to run the OS from a USB drive without permanently installing it on the hard drive? a) Clean install b) Dual-boot Live CD/USB d) Network installation 18. What is the purpose of the "custom" installation option during OS installation? It installs the OS with default settings. b) It allows the user to choose which components to install. Dr. LEENA A V c) at formats the hard drivers **ENGINEERING & TECHNOLOGY**

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- d) It configures the network settings automatically.
- 19. Which utility is commonly used to create a bootable USB drive for installing an operating system?
 - a) Disk Management

Disk Cleanup

- c) Disk Defragmenter
- d) Rufus
- 20. What is the primary function of the "setup" program during the OS installation process?
 - a) To partition the hard drive
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REGISTER NO: SNC22CS041

NAME: Meghna Manoj ...



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ASSESSMENT ON "FIVE DAY WORKSHOP ON OS INSTALLATION - 13/3/2023 TO 17/3/2023"

ACADEMIC YEAR 2022-23

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 - a) Input devices
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- 4. The term "BIOS" stands for:

(A a) Basic Input/Output System~

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b) Binary Input/Output System c) Basic Integrated Operating System d) Binary Integrated Operating System 5. Which of the following is a function of an operating system? a) Managing hardware resources b) Providing physical memory to applications c) Translating high-level programming languages into machine code d) Performing arithmetic and logical operations 6. What is the purpose of the 'format' command during OS installation? a) To delete all existing data on the hard disk . b) To install device drivers c) To partition the hard disk d) To install application software 7. Which file system is commonly used in Windows operating systems? a) NTFS b) HFS+ c) ext4 d) FAT32 8. What is the purpose of device drivers in an operating system? a) To format the hard disk b) To manage hardware components c) To create user accounts d) To install software applications 9. Which of the following is a role of the kernel in an operating system? a) Managing applications ENGINEER KANNUR

14	Which step in the installation process involve to the hard drive?	es copying files f	from the installation media	
1	a) Partitioning b) Formatting			
	d) Configuration			
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18	. What is the purpose of the "custom" installat	ion option during	g OS installation?	
1	a) It installs the OS with default settings.		Keno	
	b) It allows the user to choose which compo	nents to install.		
	SREEPVIND BY STRING IT (2) ENGINEERING & TECHNOR IT (2) PAYYANUR, KANNUR		Dr. LEENA A V PRINCIPAL REE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY PAYYANUR, KANNUR	

- b) Interpreting programming languages
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- d) It configures the network settings automatically.
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REGISTER NO: SNC22CS 032 NAME: Hanna .RP.



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ASSESSMENT ON "FIVE DAY WORKSHOP ON OS INSTALLATION - 13/3/2023 TO 17/3/2023"

ACADEMIC YEAR 2022-23

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Masic Induovation System

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- b) Binary Input/Output System
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4. Which step in the installation process involve to the hard drive?		dia
a) Partitioning		
b) Formatting		
© Installation		
d) Configuration		
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(b) Dual-boot		
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8. What is the purpose of the "custom" installation	tion option during QS installation?	
a) It installs the OS with default settings.	Leve	
b It allows the user to choose which compor	onents to install.	
c) It formats the hard drives	Dr. LEENA A V PRINCIPAL SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY PAYYANUR KANNUR	
	a) Partitioning b) Formatting c) Installation d) Configuration 5. What is the purpose of the bootloader during a) It manages the installation process. b) It prepares the hard drive for installation. c) It loads the operating system into memor d) It configures user settings. 6. Which of the following is NOT typically recessivem? a) Product key b) User account details c) Network configuration d) Graphics card driver 7. Which installation method allows the user to permanently installing it on the hard drive? a) Clean install b) Dual-boot c) Live CD/USB d) Network installation 8. What is the purpose of the "custom" installa a) It installs the OS with default settings. b) It allows the user to choose which composition of the purpose which composition of the purpose of the purpose which composition of the purpose of the purpose of the purpose which composition of the purpose of the purpose of the purpose which composition of the purpose of the purpo	a) Partitioning b) Formatting ① Installation d) Configuration 5. What is the purpose of the bootloader during the OS installation process? a) It manages the installation process. b) It prepares the hard drive for installation. ② It loads the operating system into memory during startup. d) It configures user settings. 5. Which of the following is NOT typically required during the installation of an operat system? a) Product key b) User account details ② Network configuration d) Graphics card driver 7. Which installation method allows the user to run the OS from a USB drive without permanently installing it on the hard drive? a) Clean install ⑤ Dual-boot c) Live CD/USB d) Network installation 8. What is the purpose of the "custom" installation option during OS installation? a) It installs the OS with default settings. ⑥ It allows the user to choose which components to install.

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PAYYANUR, KANNUR

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- d) It configures the network settings automatically.
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 - To copy installation files to the hard drive
 - d) To configure user preferences

Nim: ED

REGISTER NO: Pritika Nittur-SN(22CSC57 NAME: Pritika Nittur



SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ASSESSMENT ON "FIVE DAY WORKSHOP ON OS INSTALLATION - 13/3/2023 TO 17/3/2023"

	17/3/2023"		
	ACADEMIC YEAR 2022-23		
	. Supplied Symposium of the Control		
1.	. What is the primary function of a CPU in a computer syste	em?	
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	a) Input devices	1 m C C 1 C C	
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	c) Secondary storage	1 - 24 July 2 - 2 mark 1 - 55	

4. The term "BIOS" stands for:

d) Operating system U

a) Basic Input/Output System \

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PAYYANUR, KANNUR

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PAYYANUR, KANNUR

		b) Interpreting programming languages	
1		c) Handling input/output operations	
11.6		d) Formatting storage devices	
	10	Which type of operating system allows multiple users to access	s the system
	10.	simultaneously?	s the system
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0		b) Multi-tasking operating system	
U		c) Multi-user operating system	
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1		b) Formatting	
1		c) Configuration	
		d) Localization	
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		c) FAT (File Allocation Table)	
		d) NTFS (New Technology File System)	
	13.	Which of the following file systems is commonly used by Line	ax distributions?
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0		b) FAT32	3 3 12 1518
		c) ext4	To the second second
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COLLEGE OF	URU	AUNAYYAA G	R, KANNUR
NUR	KAN	ENGINEERING & PAYYANUR	

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	ENGINEERING & TECHNOLOGY PAYYANUR, KANNUR		SREE NARAYANA GURU COLLE

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR -2021-22

ASSESSMENT ON "FIVE DAY WORKSHOP ON LEARN LATEX - 16/5/2022 TO 20/5/2022"

MARKSHEET

SL.NO.	REGISTER NO.	NAME	MARKS
NA AV	SNC19CS001	AATHISH P JAGADEESH	12
S TECHNOLOGY B KANNURS	O MAYAR SNEED CS002	ABHINAV.A.P	15
3	SNC19CS003	AHMED ADIL	10
4	SNC19CS004	AJMAL	20
5	SNC19CS005	ALTHAF ASHRAF.K.V	14
6	SNC19CS015	HRYSHIKA PRADEEP	17
7	SNC19CS016	JEEVA NARAYANAN	14
8	SNC19CS017	KAVYA DEVI.M.K	- 13
9	SNC19CS018	MANILA MAHESH	12
10	SNC19CS019	MEGHA.P.K	10
11	SNC19CS034	SREENANDANA.T.V	16
12	SNC19CS035	SREENISHA.K.P	15
13	SNC19CS036	THANMAYA SANJEEV	13
14	SNC19CS037	THANYA MOHAN	11
15	SNC19CS038	THEJA RAJESH	10
16	SNC19CS042	VISHNU.R	17
17	SNC19CS043	V.K.AYSHA	12

18	LSNC19CS044	ABHIJITH RAMRAJ P K	13
19	LSNC19CS046	JIJO JAISON	15
20	LSNC19CS045	ADARSH KS	16

News

Dr. LEENA A V
PRINCIPAL
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY
ENGINEERING & TECHNOLOGY
PAYYANUR, KANNUR

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Dr. LEENA A V
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY
PAYYANUR, KANNUR

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SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ASSESSMENT ON "FIVE DAY WORKSHOP ON OS INSTALLATION - 16/5/2022 TO20/5/2022"

ACADEMIC YEAR 2021-22

QUESTION PAPER AND SCHEME

1.	What	does	LaTe	X stand	for?

- a) Language for TeX
- b) Layout and Typography
- c) Lamport's TeX
- d) LaTeX isn't an acronym
- 2. Which of the following is a LaTeX document class commonly used for academic papers?
 - a) article
 - b) report
 - c) book
 - d) All of the above
- 3. Which command is used to create a new section in a LaTeX document?
 - a) \section{}
 - b) \newsection{}
 - c) \startsection{}
 - d) \subsection{}
- 4. Which command is used to include a package in a LaTeX document?
 - a) \usepackage{}
 - b) \includepackage{}
 - c) \importpackage{}
 - d) \addpackage{}
- 5. Which environment is used for creating a numbered list in LaTeX?
 - a) \begin{list}

b) \begin{enumerate}

- c) \begin{itemize}
- d) \begin {numericlist}

Leve

6.	Which symbol is used to denote the start and end of mathematical equations in LaTeX?
	a) \$\$
	b) ()
	c) {}
	d) []
7.	Which command is used to create a table in LaTeX?
	a) \maketable {}
	b)
	c) \begin{table}
	d) \create{table}
8.	Which command is used to create a new page in a LaTeX document?
	a) \pagebreak {}
	b)
	c)
	d)
9.	Which command is used to add a comment in a LaTeX document?
	a) % Comment
	b)
	c) \begin{comment} \end{comment}
	d) /* Comment */
10	. Which package is commonly used for including graphics in a LaTeX document?
	a) graphicx
	b) graphics
	c) includegraphics d) img
	d) img

	a)
	b)
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12.	Which command is used to create a bold text in LaTeX?
	a)
	b)
	c)
	d)
13.	Which symbol is used for the "less than or equal to" operator in LaTeX?
	a) <=
	b) \leq
	c) \le
	d) \less=
14.	Which package is commonly used for typesetting algorithms in LaTeX?
	a) algorithm
	b) algorithmic
	c) alg
	d) algo
15.	Which environment is used for creating a centered equation in LaTeX?
	a) \begin{center}
	b)

11. Which command is used to create a citation in LaTeX?

Dr. LEENA A V
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c) \begin{equation}

d) \begin{align}

16.	Which command is used to create a footnote in LaTeX?
	a)
	b)
	c)
	d)
17.	Which command is used to change the font size in LaTeX?
	a)
	b)
	c)
	d)
18.	Which environment is used for creating a two-column layout in a LaTeX document?
	a) \begin{twocolumn}
	b)
	c) \begin{columns}
	d) \begin{doublecol}
19.	Which command is used to create an accent in LaTeX?
	a)
	b)
	c)
	d) '{}
20.	Which package is commonly used for creating bibliographies in LaTeX?
	a) biblatex

d) cite

b) natbib

c) bibtex

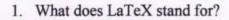


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ASSESSMENT ON "FIVE DAY WORKSHOP LEARN LATEX - 16/5/2022 TO20/5/2022"

ACADEMIC YEAR 2021-22



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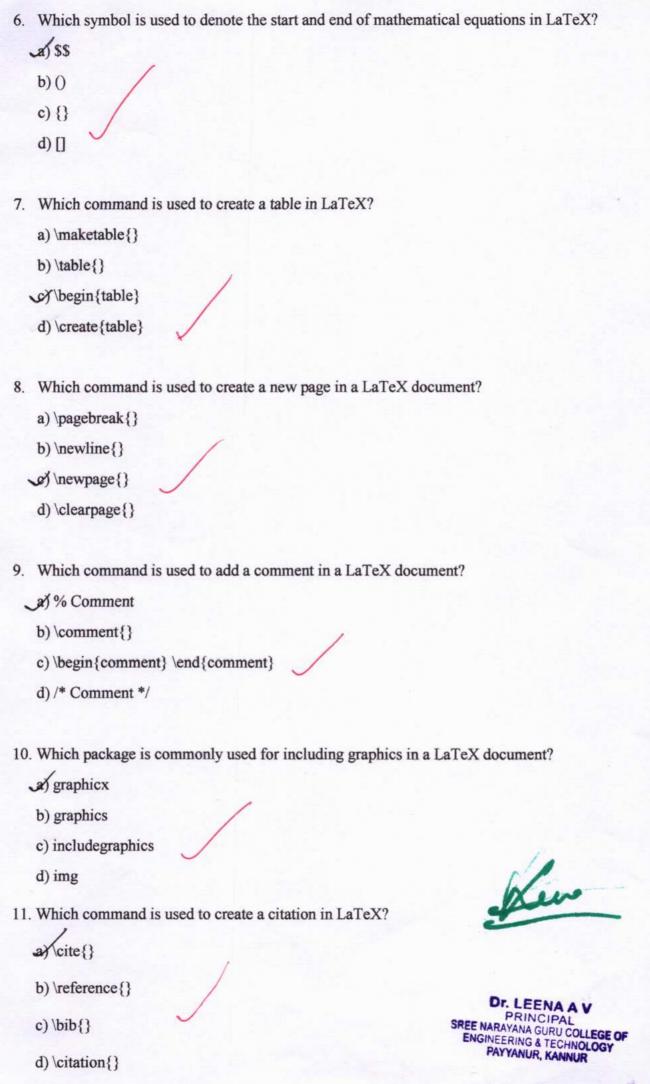
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PAYYANUR, KANNUR



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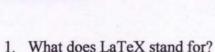


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	c) \begin{comment} \end{comment}
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ACADEMIC YEAR 2021-22

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	c) \begin{table}
~	d) \create{table}
8.	Which command is used to create a new page in a LaTeX document?
	a)
	b)
,	c)
	d)
9.	
~	a)% Comment
	b)
	c) \begin{comment} \end{comment}
	d) /* Comment */
10.	. Which package is commonly used for including graphics in a LaTeX document?
	a) graphicx
	b) graphics
1	of includegraphics
	d) img
11.	. Which command is used to create a citation in LaTeX?
~	a)
	b)
	c) Dr. LEENA A V PRINCIPAL PRINCIPAL SREE NERSYNA GURU COLLEGE OF SREENERSYNA GURU COLLEGE OF
	d) d)

12. Which command is used to create a bold text in LaTeX? a) \textbf{} b) \bold{} c)\bf{} d) \makebold{} 13. Which symbol is used for the "less than or equal to" operator in LaTeX? a) <= b) leq c) \le d) \less= 14. Which package is commonly used for typesetting algorithms in LaTeX? a) algorithm b) algorithmic c) alg d) algo 15. Which environment is used for creating a centered equation in LaTeX? a) \begin{center} b) \center{} c) begin{equation} d) \begin{align} 16. Which command is used to create a footnote in LaTeX? a) \footnote{} b)\fn{} c) \note{} d) \foot{}

17. Which command is used to change the font size in LaTeX?
(a)
b)
c)
d)
18. Which environment is used for creating a two-column layout in a LaTeX document?
a) \begin{twocolumn}
b)
(c) \begin{columns}
d) \begin{doublecol}
19. Which command is used to create an accent in LaTeX?
a)
b)
or accented{}
d) '{}
20. Which package is commonly used for creating bibliographies in LaTeX?
a) biblatex

b) natbib

c) bibtex

d) cite

SL NO	SCORE	NAME	REGISTER NO	SEMESTER
1	4/10	Gopika pramodkumar	SNC20CS022	51
2	6/10	VISWAJEETH P	SNC20CS042	51
3	1/10	K Athul	SNC20CS026	S1
4	8/10	AATHISH R	SNC20CS002	51
5	8/10	GOKUL A	SNC20CS021	S1
6	2/10	Amal M V	SNC20C5010	51
7	7/10	REHAN P	SNC20CS036	51
8	5/10	ANANDASREE KRISHNAN	SNC20CS013	S1
9	6/10	SREERAJ S	SNC20CS041	S1
10	7/10	ARJUN M	SNC20CS017	51
11	7/10	ANAGHA P P	SNC20CS012	S1
12	6/10	SNEHA E	SNC20CS040	S1
13	10/10	KEERTHANA C V	SNC20CS027	51
14	0/10	Abhishek	SNC20CS007	S1
15	3/10	Abhinav A V	SNC20CS004	S1
16	9/10	AMAL M	SNC20CS009	S1
17	8/10	G P THRISHNA	SNC20CS023	S1
18	1/10	Ashwathi P I	SNC20CS018	51

EVENT COORDINATOR

HOD CSE

* In	dicates required question
1.	Name *
2.	Register Number
3.	Semester
4.	Who developed the Python language? * Mark only one oval.
	Zim Den Guido van Rossum Wick van Rossum Niene Stom
5.	In which year was the Python language developed? * Mark only one oval.
	☐ 1995☐ 1972☐ 1981☑ 1989

Mark only one oval. English PHP C C All of the above 7. What do we use to define a block of code in Python language? Mark only one oval. Key Brackets Indentation	
PHP C C All of the above 7. What do we use to define a block of code in Python language? Mark only one oval. Key Brackets Indentation	
All of the above 7. What do we use to define a block of code in Python language? Mark only one oval. Key Brackets Indentation	
All of the above 7. What do we use to define a block of code in Python language? Mark only one oval. Key Brackets Indentation	
7. What do we use to define a block of code in Python language? **Mark only one oval.** ** Key** ** Brackets** **Indentation**	
Mark only one oval. Key Brackets Indentation	
Mark only one oval. Key Brackets Indentation	
─ Key─ Brackets✓ Indentation	
Brackets Indentation	
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None of these	
8. What happens when '2' == 2 is executed?	
Mark only one oval.	
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ValueError occurs	
TypeError occurs	
9. Which of the following functions is a built-in function in python la	anguage?
Mark only one oval.	
val()	
Option 2	
print()	
None of these Dr. LEENA A V PRINCIPAL SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY PAYYANUR, KANNUR	

10.	Which of the following declarations is incorrect? *
	Mark only one oval.
	x = 2
	x = 3
	xyz = 5
	None of these
11.	What is the method inside the class in python language?
	Mark only one oval.
	Object
	Function
	Attribute
	Argument
12.	Which of the following statements is correct regarding the object-oriented programming concept in Python?
	Mark only one oval.
	Classes are real-world entities while objects are not real Objects are real-world entities while classes are not real
	Both objects and classes are real-world entities
	All of the above
13.	Which character is used in Python to make a single line comment?
	Mark only one oval.
	OII
	! Dr. LEENA A V PRINCIPAL
	SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY PAYYANUR, KANNUR

Name #	
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Dr. LEENA A V
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ENGINEERING & TECHNOLOGY
PAYYANUR, KANNUR

In which language is Python written? *	
○ English	
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All of the above	
O All of the above	
What do we use to define a block of code in Pyth	on language?
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 False Ture ValueError occurs TypeError occurs Which of the following functions is a built-in function of the following functions is a built-in function of the following functions.	Dr. LEENA A V PRINCIPAL
 False Ture ValueError occurs TypeError occurs Which of the following functions is a built-in function	Dr. LEENA A V

Which of the following declarations is incorrect? * $_{x} = 2$ _x = 3 $_xyz_ = 5$ None of these What is the method inside the class in python language? Object **Function** Attribute Argument Which of the following statements is correct regarding the object-oriented programming concept in Python? Classes are real-world entities while objects are not real Objects are real-world entities while classes are not real Both objects and classes are real-world entities All of the above Which character is used in Python to make a single line comment? Dr. LEENA AV

234

SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY ENGINEERING & TECHNOLOGY PAYYANUR, KANNUR

Name *		
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Register Number		
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Zim Den		
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Wick van Rossum		
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O Melle Stoff		
In which year was the Python language	developed? *	
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In which language is Python written? *	
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What do we use to define a block of code in Python language?	
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	1 1
	105
Which of the following functions is a built-in function in python language	3
O val()	VAAV
	Dr. LEENA AV
Option 2	Dr. LEENA AV PRINCIPAL SREENARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY PAYYANUR, KANNUR PAYYANUR, KANNUR
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print()	

Which of the following declarations is incorrect? *
_x = 2
x = 3
O _x-3
<pre>xyz = 5</pre>
O None of these
O None of these
What is the method inside the class in python language?
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Function
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Which of the following statements is correct regarding the object-oriented programming
concept in Python?
Classes are real-world entities while objects are not real
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Objects are real-world entities while classes are not real
Both objects and classes are real-world entities
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All of the above
2
Which about the Dath on the section 19
Which character is used in Python to make a single line comment?
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Name * VISWAJEETH P	
Register Number SNC20CS042	
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Who developed the Python language? *	
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Guido van Rossum	
Wick van Rossum	
Niene Stom	
In which year was the Python language developed? *	
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ENGINEERING & TECHNOLOGY
PAYYANUR, KANNUR

In which language is Python written? *	
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What do we use to define a block of code in Python language?	
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O None of these	
What happens when '2' == 2 is executed?	
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Which of the following functions is a built-in function in python language?	مر من ا
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Which of the following declarations is incorrect? * $_x = 2$ $_xyz_ = 5$ None of these What is the method inside the class in python language? Object Function Attribute Argument Which of the following statements is correct regarding the object-oriented programming concept in Python? Classes are real-world entities while objects are not real Objects are real-world entities while classes are not real Both objects and classes are real-world entities All of the above Which character is used in Python to make a single line comment?

Name *		
Gopika pramodkumar		
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O 1972		Dr. LEENA AV Dr. LEENA AV PRINCIPAL PRINC
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In which language is Python written? *	
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Option 2	SREE NARAYANA GUTECHNUR SREE NARAYANUR, KANNUR ENGINEERING & TECHNUR
print()	AL.

Which of the following declarations is incorrect? *	
_x = 2	
○ _x = 3	
xyz = 5	
None of these	
What is the method inside the class in python language?	
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Object	
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Attribute	
O Argument	
Which of the following statements is correct regarding the object-oriented concept in Python?	programming
Classes are real-world entities while objects are not real	
Objects are real-world entities while classes are not real	
Both objects and classes are real-world entities	
All of the above	
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	Ren
Which character is used in Python to make a single line comment?	
	Dr. LEENA AV
	PRINCIPAL PRINCIPAL SREE NARAYANA GURU COLLEGE SREE NARAYANA GURU COLLEGE ENGINEERING & TECHNOLOG ENGINEERING & TECHNOLOG PAYYANUR, KANNUR
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Name *	
Amal M V	
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Who developed the Python language? *	
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O Zilli Dell	
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Wick van Rossum	
Niene Stom	* * *
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In which year was the Python language develop	ned2 *
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In which language is Python written? *	
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O All of the above	
What do we use to define a block of code in Python language?	
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O None of these	
O None of these	
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O ValueError occurs	
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Which of the following functions is a built-in function in python language?	1.00
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val()	Dr. LEENA A V
Option 2	PRINCIPAL SPEE NARAYANA GURU COLLEGE O
	ENGINEERING & TECHNOLOGY PAYYANUR, KANNUR

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print()

Which of the following declarations is incorrect? *	
x = 3	
xyz = 5	
O None of these	
What is the method inside the class in python language?	
Object	
O Function	
O Attribute	
Argument	
Which of the following statements is correct regarding the object-orient	ed programming
concept in Python?	
Classes are real-world entities while objects are not real	
Objects are real-world entities while classes are not real	
Both objects and classes are real-world entities	
All of the above	
	1
Which character is used in Python to make a single line comment?	Jus
	Dr. LEENA A V PRINCIPAL PRINCIPAL PRINCIPAL
0 //	PRINCIPAL PRINCIPAL SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY ENGINEERING & TECHNOLOGY PAYYANUR, KANNUR

Name *		
ANANDASREE KRISHNAN		
Register Number		
SNC20CS013		
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Who developed the Python language? *		
◯ Zim Den		
Cuido von Possum		
Guido van Rossum		
Wick van Rossum		
Niene Stom		
In which was was the Duther language de	avalanad0 *	
In which year was the Python language de	sveloped? "	1
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Dr. LEENA A V
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SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY
PAYYANUR, KANNUR

Which of the following declarations is incorrect? *	
O_x = 2	
xyz = 5 None of these	
None of these	
What is the method inside the class in python language?	
Object	
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O Attribute	
O Argument	
Which of the following statements is correct regarding the object-oriented concept in Python?	d programming
Classes are real-world entities while objects are not real	
Objects are real-world entities while classes are not real	
O Both objects and classes are real-world entities	
All of the above	
Which character is used in Python to make a single line comment?	Leve
01	Dr. LEENA A V
0 //	SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY PAYYANUR, KANNUR

In which language is Python written? *	Python written? *	
○ English		
O PHP		
⊙ C		
All of the above		
What do we use to define a block of code in Python language?		
○ Key		
Brackets		
O Indentation		
O None of these		
What happens when '2' == 2 is executed?		
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Which of the following functions is a built-in function in python langua	age?	
O val()	Dr. LEENA AV	
Option 2		
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print()



SREE NARAYANA GURU COLLEGE OF ENGINEERING &TECHNOLOGY

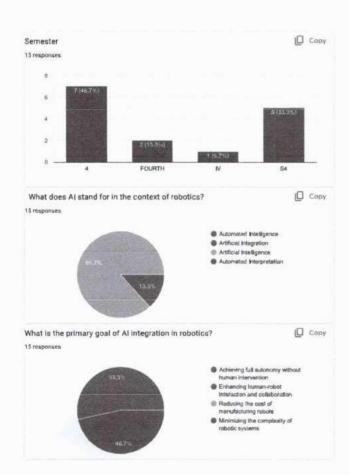
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

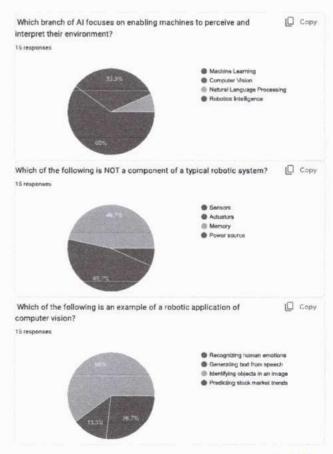
ASSESSMENT ON ONLINE WOKSHOP ON TRENDING PERSPECTIVES OF AI IN ROBOTICS MARK SHEET

SL. NO	NAME	REGISTER NUMBER	SCORE
1.	SREEHARI K	SNC18CS032	10 / 10
2.	BHAVYA N	SNC18CS011	6/10
3.	ANASWARA RAJAN	LSNC18CS035	6/10
4.	ADIL BIN ANWAR C P	SNC18CS001	6/10
5.	VISMAYA SREEJITH	SNC18CS033	5/10
6.	SHIRIN MUSTHAFA P P	SNC18CS030	7/10
7.	ASHAMOL P R	SNC18CS009	9/10
8.	RITHIKA SATHEESH BABU	STM18CS031	6/10
9.	GOKUL RAJ K	SNC18CS014	10/10
10.	P VISHNU	SNC18CS025	8/10
11.	MUBASHIRA	SNC18CS018	7/10
12.	PRANOY PRAMOD	SNC18CS024	5/10
13.	MUHAMMED NIHALK V	SNC18CS019	8/10
14.	NITHIN RAJ V V	SNG18CS022	9/10
15.	SIDHARTH S BABU	SNC18CS031	6/10

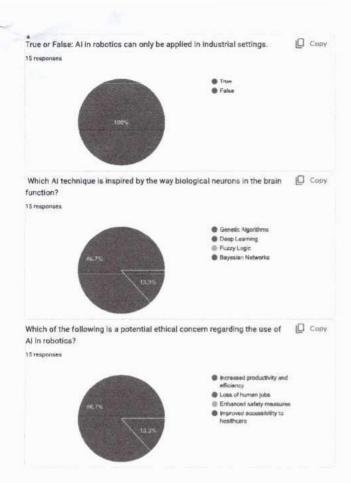
ASSESSMENT ON ALIN ROBOTICS 15 responses Name 15 responses Sreehari K Anaswara Rajan ADEL BIN ANWAR C.P. Vismaya Sreejith Shirin Musthafa P P ASHAMOL PR Rithika Satheesh Babu GOKUL RAJ K P Vishnu MUBASHIRA Pranoy Pramod MUHAMMED NIHALK V Nithin Rai V V SIDHARTH S BABU

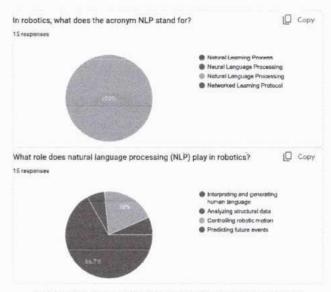






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PAYYANUR, KANNUR

ASSESSMENT ON AI IN ROBOTICS

Inc	dicates required question	
•	Name *	
•	Register Number *	
•	Semester *	
•	What does AI stand for in the context of robotics? * Mark only one oval.	1 point
	Automated Intelligence Artificial Integration Artificial Intelligence Automated Interpretation	
	What is the primary goal of Al integration in robotics? * Mark only one oval.	1 point
	Achieving full autonomy without human intervention Enhancing human-robot interaction and collaboration Reducing the cost of manufacturing robots Minimizing the complexity of robotic systems	Leve

6.	Which branch of AI focuses on enabling machines to perceive and interpret their environment?	* 1 point
	Mark only one oval.	
	 Machine Learning ✓ Computer Vision Natural Language Processing Robotics Intelligence 	
7.	Which of the following is NOT a component of a typical robotic system? *	1 point
	Mark only one oval.	
	Sensors	
	Actuators	
	Memory Power source	
8.	Which of the following is an example of a robotic application of computer vision?	* 1 point
	Mark only one oval.	
	Recognizing human emotions Congrating text from speech	
	Generating text from speech Identifying objects in an image	
	Predicting stock market trends	
9.	True or False: Al in robotics can only be applied in industrial settings. *	1 point
	Mark only one oval.	
	True	-
	√ False	
	PRINCIPAL SREE NARAYANA GURU COLLEGE ENGINEERING & TECHNOLOGY PAYYANUR, KANNUR	OF

10.	Which Al technique is inspired by the way biological neurons in the brain function?	* 1 point
	Mark only one oval.	
	Genetic Algorithms	
	✓ Deep Learning	
	Fuzzy Logic	
	Bayesian Networks	
11.	Which of the following is a potential ethical concern regarding the use of AI in robotics?	* 1 point
	Mark only one oval.	
	Increased productivity and efficiency	
	✓ Loss of human jobs	
	Enhanced safety measures	
	Improved accessibility to healthcare	
12.	In robotics, what does the acronym NLP stand for? *	1 point
	Mark only one oval.	
	Natural Learning Process	
	Neural Language Processing	
	Natural Language Processing	
	Networked Learning Protocol	

13. What role does natural language processing (NLP) play in robotics? * 1 point

Mark only one oval.

Interpreting and generating human language

Analyzing structural data

Controlling robotic motion

Predicting future events

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ASSESSMENT ON AI IN ROBOTICS

Name * Sreehari K	
Register Number * SNC18CS032	
Semester * S4	
What does AI stand for in the context of robotics? *	1 point
Automated Intelligence	
Artificial Integration	
Artificial Intelligence	
Automated Interpretation	

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Wh	at is the primary goal of AI integration in robotics? *	1 point
0	Achieving full autonomy without human intervention	
0	Enhancing human-robot interaction and collaboration	
0	Reducing the cost of manufacturing robots	
0	Minimizing the complexity of robotic systems	
	nich branch of AI focuses on enabling machines to perceive and interpret their rironment?	* 1 point
0	Machine Learning	
()	Computer Vision	
0	Natural Language Processing	
0	Robotics Intelligence	
Wh	ich of the following is NOT a component of a typical robotic system? *	1 point
0	Sensors	
0	Actuators	
	Memory	
0		

Which of the following is an example of a robotic application of computer vision? *	1 point	
Recognizing human emotions		
Generating text from speech		
Identifying objects in an image		
Predicting stock market trends		
True or False: Al in robotics can only be applied in industrial settings. *	1 point	
○ True		
False		
Which Al technique is inspired by the way biological neurons in the brain function? *	1 point	
Genetic Algorithms		
Deep Learning		
O Fuzzy Logic		
Bayesian Networks		

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PAYYANUR, KANNUR

Which of the following is a potential ethical concern regarding the use of AI in robotics?	* 1 point
Increased productivity and efficiency	
Loss of human jobs	
Enhanced safety measures	
Improved accessibility to healthcare	
In robotics, what does the acronym NLP stand for? *	1 point
Natural Learning Process	
Neural Language Processing	
Natural Language Processing	
Networked Learning Protocol	
What role does natural language processing (NLP) play in robotics? *	1 point
Interpreting and generating human language	
Analyzing structural data	
Controlling robotic motion	
Predicting future events	

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ASSESSMENT ON AI IN ROBOTICS Name * ASHAMOL P R Register Number * SNC18CS009 Semester * What does AI stand for in the context of robotics? * 1 point Automated Intelligence Artificial Integration Artificial Intelligence Automated Interpretation

Whic	ch of the following is an example of a robotic application of computer vision? *	1 point
O F	Recognizing human emotions	
0	Generating text from speech	
• I	dentifying objects in an image	
() F	Predicting stock market trends	
True	or False: Al in robotics can only be applied in industrial settings. *	1 point
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● F	False	
Whic	ch Al technique is inspired by the way biological neurons in the brain function? *	1 poin
0	Genetic Algorithms	
^	Deep Learning	
(e)		
	Fuzzy Logic	

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PRINCIPAL

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ENGINEERING & TECHNOLOGY
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Which of the following is an example of a robotic application of computer vision? *	1 point
Recognizing human emotions	
Generating text from speech	
O Identifying objects in an image	
Predicting stock market trends	
True or False: Al in robotics can only be applied in industrial settings. *	1 point
O True	
False	
Which Al technique is inspired by the way biological neurons in the brain function? *	1 point
Genetic Algorithms	
O Deep Learning	
O Fuzzy Logic	
Bayesian Networks	

Leve

Dr. LEENA A V
PRINCIPAL

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PAYYANUR, KANNUR

	ich of the following is a potential ethical concern regarding the use of AI in otics?	* 1 point
0	Increased productivity and efficiency	
•	Loss of human jobs	
0	Enhanced safety measures	
0	Improved accessibility to healthcare	
In r	obotics, what does the acronym NLP stand for? *	1 point
0	Natural Learning Process	
0	Neural Language Processing	
0	Natural Language Processing	
0	Networked Learning Protocol	
Wh	at role does natural language processing (NLP) play in robotics? *	1 point
•	Interpreting and generating human language	
0	Analyzing structural data	
0	Controlling robotic motion	
_	Predicting future events	

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ASSESSMENT ON AI IN ROBOTICS Name * P Vishnu Register Number * SNC18CS025 Semester * \$4 What does AI stand for in the context of robotics? * 1 point Automated Intelligence Artificial Integration Artificial Intelligence

Automated Interpretation

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ENGINEERING & TECHNOLOGY
PAYYANUR, KANNUR

**1	nich of the following is an example of a robotic application of computer vision? *	1 po
0	Recognizing human emotions	
0	Generating text from speech	
0	Identifying objects in an image	
0	Predicting stock market trends	
Tru	e or False: Al in robotics can only be applied in industrial settings. *	1 po
0	True	
•	False	
W	sich All technique is inspired by the way biological neurons in the brain function?	1 po
0	Genetic Algorithms	
•	Deep Learning	
-	Fuzzy Logic	
0		

. Which of the following is an example of a robotic application of computer vision? *	1 point
Recognizing human emotions	
Generating text from speech	
Identifying objects in an image	
Predicting stock market trends	
True or False: Al in robotics can only be applied in industrial settings. *	1 point
○ True	
● False	
Which AI technique is inspired by the way biological neurons in the brain function? *	1 point
○ Genetic Algorithms	
Deep Learning	
C Fuzzy Logic	
Bayesian Networks	

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Which of the following is a potential ethical concern regarding the use of AI in robotics?	* 1 point
Increased productivity and efficiency	
Loss of human jobs	
Enhanced safety measures	
Improved accessibility to healthcare	
In robotics, what does the acronym NLP stand for? *	1 point
Natural Learning Process	
Neural Language Processing	
Natural Language Processing	
Networked Learning Protocol	
What role does natural language processing (NLP) play in robotics? *	1 point
Interpreting and generating human language	
Analyzing structural data	
Controlling robotic motion	
Predicting future events	

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ASSESSMENT ON AI IN ROBOTICS

Name * MUBASHIRA	
Register Number * snc18cs018	
Semester *	
What does Al stand for in the context of robotics? *	1 point
Automated Intelligence	
Artificial Integration	
Artificial Intelligence	
Automated Interpretation	

Wh	ich of the following is an example of a robotic application of computer vision? *	1 poir
0	Recognizing human emotions	
0	Generating text from speech	
0	Identifying objects in an image	
0	Predicting stock market trends	
True	e or False: Al in robotics can only be applied in industrial settings. *	1 poir
0	True	
•	False	
Wh	ich Al technique is inspired by the way biological neurons in the brain function? *	1 poir
0	Genetic Algorithms	
-	Deep Learning	
()		
<!--</td--><td>Fuzzy Logic</td><td></td>	Fuzzy Logic	

* What is the primary goal of Al integration in robotics? * 1 point	Which of the following is an example of a robotic application of computer vision? * 1 point
Achieving full autonomy without human intervention	Recognizing human emotions
Enhancing human-robot interaction and collaboration	Generating text from speech
Reducing the cost of manufacturing robots	Identifying objects in an image
Minimizing the complexity of robotic systems	Predicting stock market trends
Which branch of AI focuses on enabling machines to perceive and interpret their * 1 point environment?	True or False: Al in robotics can only be applied in industrial settings. * 1 point
	True
Machine Learning	False
Computer Vision	
Natural Language Processing	
Robotics Intelligence	Which All technique is inspired by the way biological neurons in the brain function? * 1 point
	O County Alexandron
White the fill the 1907	Genetic Algorithms
Which of the following is NOT a component of a typical robotic system? * 1 point	Deep Learning
Sensors	O Fuzzy Logic
Actuators	Bayesian Networks
Memory	
Power source	
X •	

ASSESSMENT ON AI IN ROBOTICS

Name * Nithin Raj V V	
Register Number * SNGCS022	
Semester * S4	
What does AI stand for in the context of robotics? *	1 point
Automated Intelligence	
Artificial Integration	
Artificial Intelligence	
Automated Interpretation	

Which of the following is an example of a robotic application of computer vision? *	1 point
Recognizing human emotions	
Generating text from speech	
Identifying objects in an image	
Predicting stock market trends	
True or False: Al in robotics can only be applied in industrial settings. *	1 point
○ True	
● False	
Which All technique is inspired by the way biological neurons in the brain function?	1 point
Genetic Algorithms	
Deep Learning	
Fuzzy Logic	
Bayesian Networks	

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265

Which of the following is an example of a robotic application of computer vision? *	1 point
Recognizing human emotions	
Generating text from speech	
Identifying objects in an image	
Predicting stock market trends	
True or False: Al in robotics can only be applied in industrial settings. *	1 point
○ True	
False	
Which Al technique is inspired by the way biological neurons in the brain function? *	1 point
Genetic Algorithms	
Deep Learning	
C Fuzzy Logic	
Bayesian Networks	

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Natural Language Processing	
Networked Learning Protocol	
What role does natural language processing (NLP) play in robotics? *	1 point
Interpreting and generating human language	
Analyzing structural data	
Controlling robotic motion	
Predicting future events	

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SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

WEB DEVELOPMENT TECHNOLOGIES

A WORKSHOP ON WEB DEVELOPMENT TECHNOLOGIES

MARKSHEET

SL NO.	REG NO.	NAME	MARKS
1	SNC16CS001	АВНІЛТН К	8/10
2	SNC16CS002	ABHINAV DIVAKARAN	7/10
3	SNC16CS004	ADARSH KUMAR O.V	8/10
4	SNC16CS005	AISWARYA AV	6/10
5	SNC16CS007	AKSHAY T	7/10
6	SNC16CS012	ASHNA RAGESH	7/10
7	SNC16CS013	ASWIN SADANAND	9/10
8	SNC16CS014	ATHULYA K P	7/10
9	SNC16CS017	EBRAHIM SAINUDHEEN	8/10
10	SNC16CS020	GOPIKA SURESHBABU P	9/10
11	SNC16CS023	JAISHNA JAYASENAN	6110
12	SNC16CS025	MOHAMED SHUJAATH SHAFEER VT	5/10
13	SNC16CS026	MOHAMMED ANFAZ	7/10
14	SNC16CS032	P ABHIJITH MOHANAN	8/10
15	SNC16CS033	PATHMASANA K P	9/10
16	SNC16CS037	SANJANA P	8/10
17	SNC16CS042	SREELAKSHMI PV	5/10
18	SNC16CS043	VAISHAK A P	5/10
19	SNC16CS044	VARUN V	6/10
20	LSNC16CS046	VIPEESH T	7/10

Event Co-ordinator

HoD



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ASSESSMENT ON" WEB DEVELOPMENT TEHCNOLOGIES"- 18-02-219 TO 22-02-2029 QUESTION PAPER AND SCHEME

SCADEMIC YEAR 2018-1019

- 1. Which HTML tag is used to create a hyperlink?
 - <a>
 - k>
 - <href>
 - <url>

Answer: <a>

- 2. Which of the following is a backend framework for web development?
 - Vue.js
 - Angular
 - Node.js
 - React

Answer: Node.js

- 3. In CSS, what does the 'C' in CSS stand for?
 - Cascading
 - Creative
 - Common
 - Computer

Answer: Cascading

- 4. Which of the following is not a JavaScript data type?
 - String
 - Number
 - Boolean
 - Character

Answer: Character

- 5. What does SQL stand for?
 - Structured Query Language
 - · Simple Query Language
 - · Structured Question Language
 - Standard Query Language

Answer: Structured Query Language

- 6. Which of the following is a version control system commonly used in web development?
 - Git
 - SVN
 - Mercurial
 - All of the above

Answer: All of the above

- 7. Which of the following HTTP methods is used to submit data to be processed to a specified resource?
 - GET
 - POST
 - PUT
 - DELETE

Answer: POST

- 8. In web development, what is the purpose of a web server?
 - To store data
 - To execute client-side code
 - · To serve web pages to clients
 - To create animations

Answer: To serve web pages to clicate

- 9. Which of the following is used to style web pages?
 - HTML
 - · CSS
 - JavaScript
 - PHP

Answer: CSS

- 10. What is the main use of the <div> tag in HTML?
 - · To create links
 - To include images

- · To define a division or section in a document
- · To make text bold

Answer: To define a division or section in a document

New

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ENGINEERING & TECHNOLOGY



1. NAME

O Computer

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

: ASWIN SADANAND, SNC16 CSO13

ASSESSMENT ON WEB DEVELOPMENT TECHNOLOGIES

2. SEMESTER	: 56
3. ACADEMIC YEAR	: 2018-19
	ASSESSMENT QUESTIONS
1. Which IITML	tag is used to create a hyperlink?
W<2>	
○ <link/>	
○ <href></href>	
O <url></url>	
2. Which of the fe	following is a backend framework for web development?
O Vue.js	
 Angular 	
Node.js	
○ React	
3. In CSS, what d	loes the 'C' in CSS stand for?
Cascading	
○ Creative	Leve
○ Common	

4.	Which of the following is not a JavaScript data type?
0	String
0	Number
O	Boolean
Ø	Character
5.	What does SQL stand for?
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0	Simple Query Language
0	Structured Question Language
0	Standard Query Language
6.	Which of the following is a version control system commonly used in web development?
0	Git
Ø	SVN
0	Mercurial
0	All of the above
7.	Which of the following HTTP methods is used to submit data to be processed to a specified resource?
0	GET
9	POST
0	PUT
0	DELETE

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0	To store data
0	To execute client-side code
9	To serve web pages to clients
0	To create animations
9.	Which of the following is used to style web pages?
0	HTML
Ø	CSS
0	JavaScript
0	PHP
10	What is the main use of the <div> tag in HTML?</div>
0	To create links
0	To include images
Ø	To define a division or section in a document
0	To make text bold



1. NAME

2. SEMESTER : 6

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ASSESSMENT ON WEB DEVELOPMENT TECHNOLOGIES

: Varus V (SNC 1605044)

3. ACADEMIC YEAR : 2018-19	
ASSESSMENT QU	ESTIONS
1. Which IITML tag is used to create a hyperlink? O link> O <href> O <url></url></href>	
 2. Which of the following is a backend framework for Vue.js Angular Node.js React 	web development?
3. In CSS, what does the 'C' in CSS stand for? Cascading Creative Common Computer	Dr. LEENA A V PRINCIPAL SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY PAYYANUR, KANNUR

4. Which of the following is not a JavaScript data type?
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PAYYANUR, KANNUR



1. NAME

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ASSESSMENT ON WEB DEVELOPMENT TECHNOLOGIES

: Akshay T

2. SEMESTER : 56 - SNC16 45007

3. ACADEMIC YEAR : 2018-2019	
ASSESSMENT	QUESTIONS
1. Which HTML tag is used to create a hyperlink	?
√ <a>	
○ <link/>	
○ <href></href>	
O <url></url>	
Which of the following is a backend framework	k for web development?
O Vue.js	tor web development.
O Angular	
Ø Node.js	
○ React	
3. In CSS, what does the 'C' in CSS stand for?	Lus
Ø Cascading	Lucia
○ Creative	V
○ Common	Dr. LEENA AV
○ Computei	Dr. LEENA PRINCIPAL PRINCIPAL SREE NARAYANA GURU COLLEGE OF SREE NARAYANA & TECHNOLOGY ENGINEERING & TECHNOLOGY PAYYANUR, KANNUR PAYYANUR, KANNUR

4.	Which of the following is not a JavaScript data type?
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○ To make text bold



I. NAME

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ASSESSMENT ON WEB DEVELOPMENT TECHNOLOGIES

: GOPIKA SURESHBABU P

2. SEMESTER	: 56 - 5NC 16CS 020
3. ACADEMIC YEA	R: 2018-2019
	ASSESSMENT QUESTIONS
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○ Common	Leve
O Computer	

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Leve



1. NAME

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

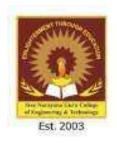
ASSESSMENT ON WEB DEVELOPMENT TECHNOLOGIES

:5977977 P

2. SEMESTER : >6 -	SNC16CSU37
3. ACADEMIC YEAR : 2018-	- 2019
	ASSESSMENT QUESTIONS
1. Which HTML tag is use	ed to create a hyperlink?
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○ Creative	in CSS stand for?
○ Common	
O Computer	Dr. LEENA AV

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O To make text hold



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CHALAKKODE P.O., KOROM, PAYYANUR, KANNUR-670 307

ELECTRICAL AND ELECTRONICS ENGINEERING

SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

HANDS ON TRAINING ON PCB DESIGN AND FABRICATION

Sl.No	Name of Students	MARKS
1	VYSHNAV TV	7
2	DEVI KEERTHANA	5
3	ASWATHI PP	7
4	ADHIN O	5
5	ANURAJ N	4
6	NIHAD T	5
7	ADITHYA K	4
8	DIYA KC	5
9	ANUVIND NK	6
10	VISMAYA	8

Coordinates.

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HANDS ON TRAINING ON PCB DESIGN AND FABRICATION

PRACTICE QUESTIONS

- 1. What does PCB stand for?
- a) Plastic Circuit Board
- ons b) Printed Circuit Board
 - c) Power Circuit Board
 - d) Processed Circuit Board

answer: Printed Circuit Board

- 2. Which software is commonly used for PCB design?
- a) AutoCAD
- b) Photoshop
- ans c) Eagle
 - d) Microsoft Excel
 - 3. Which file format is typically used to export PCB designs for manufacturing?
 - a).PDF
 - b) .DOCX
 - c).DWG
- ans d) Gerber
 - 4. What is the purpose of the solder mask on a PCB?
 - a) To provide mechanical support
 - b) To protect the copper traces from oxidation
- cos c) To insulate the components from the substrate
 - d) To facilitate soldering of components onto the board
 - 5. Which of the following is NOT a common method for PCB fabrication?
 - a) Etching
 - b) Milling
- ans c) Casting
 - d) Printing
 - 6. What is the function of vias in a PCB?
- ans a) To connect traces on different layers
 - b) To provide mechanical support
 - c) To insulate the components
 - d) To dissipate heat from the board
 - 7. Which type of PCB trace layout is used to minimize electromagnetic interference?
 - a) Parallel traces
 - b) Serpentine traces
 - c) Short traces
- and) Ground planes

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PAYYANUR, KANNUR

288

- 8. What is the standard thickness of a PCB substrate material?
- a) 0.1 mm
- b) 0.5 mm
- (ms c) 1.6 mm
 - d) 2.5 mm
 - 9. Which of the following is NOT a consideration in PCB design for high-frequency applications?
 - a) Trace impedance
 - b) Signal reflection
 - c) Crosstalk
- d) Substrate color
 - 10. What is the purpose of a silkscreen layer in PCB design?
 - a) To provide mechanical support
 - b) To add color to the PCB
- c) To label components and traces
 - d) To insulate the components from the substrate

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HANDS ON TRAINING ON PCB DESIGN AND FABRICATION

PRACTICE QUESTIONS

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\ D	

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PAYYANUR, KANNUR







HANDS ON TRAINING ON PCB DESIGN AND FABRICATION

PRACTICE QUESTIONS

1. What does PCB stand for	nat does PCB stand	for?	1
----------------------------	--------------------	------	---

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8. What is the standard thickness of a PCB substrate material?

- a) 0.1 mm
- b) 0.5 mm
- c) 1.6 mm
- d) 2.5 mm



9. Which of the following is NOT a consideration in PCB design for high-frequency applications?

- a) Trace impedance
- b) Signal reflection
- c) Crosstalk
- d) Substrate color

10. What is the purpose of a silkscreen layer in PCB design?

- a) To provide mechanical support
- b) To add color to the PCB
- c) To label components and traces
- d) To insulate the components from the substrate

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SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

HANDS ON TRAINING ON PCB DESIGN AND FABRICATION

PRACTICE OUESTIONS

1. What does PCB stand for?	
a) Plastic Circuit Board	
b) Printed Circuit Board	
c) Power Circuit Board	
d) Processed Circuit Board	
answer: Printed Circuit Board	

- 2. Which software is commonly used for PCB design?
- a) AutoCAD
- b) Photoshop
- (c) Eagle
- d) Microsoft Excel
- 3. Which file format is typically used to export PCB designs for manufacturing?
- a).PDF
- b).DOCX
- c).DWG
- d) Gerber
- 4. What is the purpose of the solder mask on a PCB?
- a) To provide mechanical support
- b) To protect the copper traces from oxidation
- c) To insulate the components from the substrate
- d) To facilitate soldering of components onto the board
- 5. Which of the following is NOT a common method for PCB fabrication?
- a) Etching
- b) Milling
- C) Casting
- < d) Printing
 - 6. What is the function of vias in a PCB?
 - a) To connect traces on different layers
 - b) To provide mechanical support
 - c) To insulate the components
 - d) To dissipate heat from the board
 - 7. Which type of PCB trace layout is used to minimize electromagnetic interference?
- a) Parallel traces
- b) Serpentine traces
- c) Short traces
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HANDS ON TRAINING ON PCB DESIGN AND FABRICATION

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HANDS ON TRAINING ON PCB DESIGN AND FABRICATION

PRACTICE QUESTIONS

1. What does PC	3 stand for?
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- a) Plastic Circuit Board
- Printed Circuit Board
 - c) Power Circuit Board
 - d) Processed Circuit Board

answer: Printed Circuit Board

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SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

LED BULB MANUFACTURING & SOLDERING PRACTICE TRAINING PROGRAM

Sl.No	Name of Students	MARKS
1	ABHINAV C	6
2	ASWATHI PP	5
3	AMAL KP	4
4	HRISHIKESH	5
5	SHINOY BIJU	7
6	ANUSHA JYOTHI	6
7	VISHAL	3
8	P P NIDHIN RAJ	5
9	ASWANTH VALSAN MV	4
10	NIHAD T	Levi

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LED BULB MANUFACTURING AND SOLDERING PROGRAM

PRACTICE QUESTIONS

1. What material is commonly used as the substrate for manufacturing LED bulbs?

- a) Aluminum
- b) Copper
- c) Silicon
- d) Glass

answer: Aluminum

2.In LED bulb manufacturing, what does SMT stand for?

- ans : a) Surface Mount Technology
 - b) Substrate Manufacturing Technique
 - c) Soldering and Mounting Technique
 - d) Semiconductor Manufacturing Technology
 - 3. Which of the following is NOT a typical step in the manufacturing process of LED bulbs?
 - a) Encapsulation
 - b) Soldering
 - c) Extrusion
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 - 4. What is the purpose of the soldering process in LED bulb manufacturing?

- a) To attach the LED chips to the substrate
 - b) To encapsulate the LED chips
 - c) To polish the surface of the LED bulb
 - d) To test the electrical conductivity of the LED components
 - 5. Which type of soldering technique is commonly used in LED bulb manufacturing for attaching the LED chips to the substrate?
 - a) Wave soldering

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 - d) Ultrasonic soldering
 - 6. What is the function of the phosphor coating in LED bulbs?
 - a) To protect the LED chips from damage
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 - 7. Which of the following is NOT a potential defect in LED bulb soldering
 - a) Cold solder joint
 - b) Solder bridging
 - c) Overheating

and d) Underfilling

- 8. What role does flux play in the soldering process of LED bulbs?
- a) It helps to clean the surfaces to be soldered
- b) It provides structural support to the solder joints
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 - 9. What is the primary advantage of using automated soldering machines in LED bulb manufacturing?
 - a) Reduced labor costs
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 - c) Increased flexibility in soldering techniques
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 - 10. Which of the following is a critical safety consideration when soldering LED bulbs?
 - a) Using high-voltage soldering irons
- are b) Working in a well-ventilated area
 - c) Wearing gloves to protect against electric shock
 - d) Soldering without safety goggles

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LED BULB MANUFACTURING AND SOLDERING PROGRAM

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LED BULB MANUFACTURING AND SOLDERING PROGRAM

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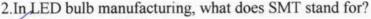
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SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

MASTERING HYBRID VEHICLE TECHNOLOGY-A COMPREHENSIVE ONLINE **PROGRAM**

Sl.No	Name of Students	MARKS
1	SNC18ME001-ABHIRAM M	4
2	SNC18ME002-ABHIRAM S	5
3	SNC18ME005-AFNAN ABDUL NASAR	4
4	SNC18ME006-AKASH M	4
5	SNC18ME009-ANANDU P	4
6	SNC18ME010-ARJUN P. K	3
7	SNC18ME011-ARJUN T.P	3
8	SNC18ME012-ASWIN O	2
9	SNC18ME015-JUNAID AHAMED K V	4
10	SNC18ME017-MOHAMMED YUNUS	3
11	SNC18ME021-NIKHIL KRISHNA MV	5
12	SNC18ME022-NIVED . K.	5
13	SNC18ME025-RAHUL RAVI P M	5
14	SNC18ME026-REJIL MANOHARAN	4

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MASTERING HYBRID VEHICLE TECHNOLOGY: A

Comprehensive online program.

PRACTICE QUESTIONS

- 1. Which component of a hybrid vehicle is responsible for converting mechanical energy into electrical energy and vice versa?
- a) Battery
- b) Inverter
- omsc) Engine
 - d) Electric motor
 - answer: Engine
 - 2. What is the primary function of the regenerative braking system in a hybrid vehicle?
- a) To charge the battery while braking
 - b) To increase the speed of the vehicle while braking
 - c) To reduce the weight of the vehicle
 - d) To cool down the engine
 - 3. Which type of hybrid vehicle relies solely on the electric motor for propulsion, with the engine used only to recharge the battery?
- a) Series hybrid
 - b) Parallel hybrid
 - c) Plug-in hybrid
 - d) Mild hybrid
 - 4. What is the purpose of the Power Split Device (PSD) in a hybrid vehicle?
 - a) To switch between electric and gasoline power
- b) To regulate the torque distribution between the engine and the electric motor
 - c) To cool down the battery
 - d) To increase the vehicle's aerodynamics
 - 5. Which factor primarily determines the efficiency of a hybrid vehicle?
 - a) Size of the gasoline tank
 - b) Weight of the vehicle
 - c) Maximum speed capability
- d) Battery capacity and management system
 - 6. Which type of hybrid vehicle can be charged from an external power source and typically has a larger battery capacity?
 - a) Mild hybrid
 - b) Series hybrid
- (m· c) Plug-in hybrid
 - d) Parallel hybrid
 - 7. What is the purpose of the Electronic Control Unit (ECU) in a hybrid vehicle?
 - a) To control the entertainment system

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- b) To manage the engine and electric motor operation
 - c) To adjust the air conditioning settings
 - d) To regulate the tire pressure
 - 8. Which component of a hybrid vehicle is responsible for controlling the flow of electricity between the battery, electric motor, and engine?
 - a) Power Split Device (PSD)
- om b) Inverter
 - c) Regenerative braking system
 - d) Electronic Control Unit (ECU)
 - 9. What term is used to describe the process of the engine shutting off when the vehicle comes to a stop, commonly used in hybrid vehicles to save fuel?
- and a) Idle stop
 - b) Rev matching
 - c) Overdrive
 - d) Cruise control
 - 10. Which type of hybrid vehicle typically has a smaller battery and relies more on the internal combustion engine for power?
 - a) Series hybrid
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MASTERING HYBRID VEHICLE TECHNOLOGY: A

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- d) To cool down the engine
- 3. Which type of hybrid vehicle relies solely on the electric motor for propulsion, with the engine used only to recharge the battery?
- a) Series hybrid
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- 4. What is the purpose of the Power Split Device (PSD) in a hybrid vehicle?
- a) To switch between electric and gasoline power
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- 5. Which factor primarily determines the efficiency of a hybrid vehicle?
- a) Size of the gasoline tank
- b) Weight of the vehicle
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- d) Battery capacity and management system
- 6. Which type of hybrid vehicle can be charged from an external power source and typically has a larger battery capacity?
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7. What is the purpose of the Electronic Control Unit (ECU) in a hybrid vehicle?

a) To control the entertainment system

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- b) To manage the engine and electric motor operation
- c) To adjust the air conditioning settings
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- 8. Which component of a hybrid vehicle is responsible for controlling the flow of electricity between the battery, electric motor, and engine?
- a) Power Split Device (PSD)
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- 9. What term is used to describe the process of the engine shutting off when the vehicle comes to a stop, commonly used in hybrid vehicles to save fuel?
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MASTERING HYBRID VEHICLE TECHNOLOGY: A

Comprehensive online program.

PRACTICE QUESTIONS

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- a) Battery
- b) Inverter
- c) Engine
- d) Electric motor

answer: Engine

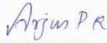
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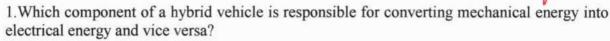




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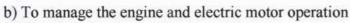
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SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FIVE DAY WORKSHOP ON INDUSTRIAL AUTOMATION AND INTRODUCTION TO IoT

Sl.No	Name of Students	MARKS
1	SNC15EE011 - SANJAY GANGAN K	5
2	SNC16EE001 -AJAY P	4
3	SNC16EE002 -DEVIKA SATHISH	6
4	SNC16EE003 -KIRAN RAJI VIJAYAN	5
5	SNC16EE005 -MUHAMMED NAZEEM M	5
6	SNC16EE007 -SHINITH K.V	A
7	SNC16EE008 - SIDHARTH PT	6
8	SNC16EE009 -VAISHNAV P	5
9	SNC17EE001-ANUSREE PRAKASH	4
10	SNC17EE002 -GAGANA V	5
11	SNC17EE003 - GREESHMA P	4
12	SNC17EE004 -MANASA K	5
13	SNC17EE005 - MEGHARAJ C H	4
14	SNC17EE006 -MUHAMMAD NABEEL	5
15	SNC17EE007 -VAISHAKH M.M	4
16	SNC17EE008 -VIVEK VALSAN	4
19	SNC17EE009 - YADUKRISHNAN V V	4



WORKSHOP ON INDUSTRIAL AUTOMATION AND INTRODUCTION TO IoT

PRACTICE QUESTIONS

- 1. What is the primary goal of industrial automation?
- a) To replace human workers with machines
- ans b) To increase productivity and efficiency
 - c) To reduce costs by any means necessary
 - d) To eliminate the need for human supervision entirely
 - Answer: b) To increase productivity and efficiency
 - 2. Which of the following is NOT a common application of industrial automation?
 - a) Automated assembly lines
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 - d) Automated packaging systems
 - 3. Which technology forms the backbone of industrial automation systems?
 - a) Artificial intelligence
 - b) Internet of Things (IoT)
 - (PLCs) Programmable Logic Controllers
 - d) Virtual Reality (VR)
 - 4. What is a PLC?
 - a) Personal Life Computer
 - (A) b) Programmable Logic Controller
 - c) Primary Logic Circuit

- d) Protocol Logic Control
- 5. What is the purpose of a Human-Machine Interface (HMI) in industrial automation?
- a) To control and monitor industrial processes
 - b) To connect industrial machines to the internet
 - c) To regulate power consumption in factories
 - d) To communicate with other factories in the supply chain
 - 6. Which of the following statements about the Internet of Things (IoT) is true?
 - a) IoT devices cannot communicate with each other
 - b) IoT enables the connection and communication of physical devices over the internet
 - c) IoT is only applicable to consumer electronics
 - d) IoT devices do not require any form of connectivity
 - 7. What is a key benefit of implementing IoT in industrial settings?
 - a) Increased manual labor requirements
 - b) Decreased data collection and analysis capabilities
- c) Improved efficiency and predictive maintenance
 - d) Reduced need for cybersecurity measures
 - 8. Which technology enables IoT devices to communicate wirelessly over short distances?
 - a) Ethernet
- b) Bluetooth
 - c) Fiber optics
 - d) Satellite communication
 - 9. Which of the following is an example of an IoT application in industrial automation?

- a) Smart thermostats in residential homes
- b) Self-driving cars on highways
- (Remote monitoring of machinery for predictive maintenance
 - d) Fitness trackers for personal use
 - 10. What does the term "Industry 4.0" refer to?
- (NA) The fourth industrial revolution driven by automation and data exchange
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Kiran Raji Vijayan



SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

WORKSHOP ON INDUSTRIAL AUTOMATION AND INTRODUCTION TO 10T

PRACTICE QUESTIONS

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WORKSHOP ON INDUSTRIAL AUTOMATION AND INTRODUCTION TO IoT

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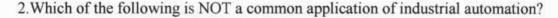


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SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CRAFTING WITH CAD - A 5 DAYS WORKSHOP

Sl.No	Name of Students	MARKS
1	SNC15EE001 PPVAJMAL	5
2	SNC15EE002 AKSHAY M NAMBIAR	6
3	SNC15EE003 ANAGHA ASHOKAN	5
4	SNC15EE004 ANSAB K P	3
5	SNC15EE006 ASWINRAJ. T	7
6	SNC15EE007 MUHAMMED IRSHAD	4
7	SNC15EE008 NIDHIN NANDAKUMAR	3
8	SNC16EE004 LAJEESH KUMAR K P	4
9	SNC16EE001 AJAY P	5
10	SNC16EE002 DEVIKA SATHISH	5
11	SNC16EE003 KIRAN RAJI VIJAYAN	6

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5 WORKSHOP ON CRAFTING WITH CAD

PRACTICE QUESTIONS

1.	In autocad	2D	Modelling,	which	axis is	not	accessible	for	drafting?
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A. X

B. Y

C. Z

D.WCS

Answer: C) Z

Explanation: Z axis is relevant to 3D modelling

2. A Polyline can be broken into individual lines and arcs using which of the following command?

A. BREAK

B. TRIM

C.EXPLODE

D.OVERKILL

3. Scrolling of mouse can perform which following action?

ans A. Zoom in / zoom out

B. Pan & scan

C. Extents / all

D. Scale

4. Is there any difference between Command Plot and Print?

- A. Plot command prints only big plans
- B. The plot command for CNC (CAM)

or C. No difference

D. Print command can print up to A3 size paper

5. Find the false statement in regards with "If an array is made associative".

A. You can't use Boolean operations on the array elements

B. To make the array non associative you need to use explode command on it

C. The array can be edited again by selecting it

D. The array can't be modified in any way once it is made associative

6. To select a set of objects in the workspace, what should be done?

A. By a crossing window drawn from right to left

- B. By a crossing window drawn left to right
- C. Shift + clicking on the objects
- D. None of the above

7. A line shows its dimension as 14.52. \	What is the preci	ision of this line?
---	-------------------	---------------------

- A. [0.0]
- B. [0.00]
- C. [0.000]
- D. Display of length has nothing to do with precision

8. Shortcut for Trim command is,

- A. T
- B. TR
 - C. TI
 - D. X

9. If you change the scale list a project that I have started from 1:50 1:10 then,

- A. You will have to start over
 - B. You should not raise the objects already exist (scale) by 5
 - C. You will not need to change anything in hitherto methodology
 - D. Should be converted into new items that will add based on the new scale
- 10. A line 4mm in length inclined at 75 degrees to the x- axis can be represented as,
 - A. Will write 0 <75
 - B. Will write 0 < 15
- C. Will write 4 <15
 - D. Will write 4 < 75
- 11. How will you create a line representing length 15 units at an angle of 30 degrees with respect to the positive direction of the X-axis and the first point of the line is not at the origin?
 - A. 30<15
 - B. 15<30
 - C. @30<15
- D. @15<30



5 WORKSHOP ON CRAFTING WITH CAD

PRACTICE QUESTIONS



1. In autocad 2D	Modelling,	which as	cis is not	accessible	for	drafting?
------------------	------------	----------	------------	------------	-----	-----------

A. X

B. Y

e.Z

D.WCS

Answer: C) Z

Explanation: Z axis is relevant to 3D modelling

2. A Polyline can be broken into individual lines and arcs using which of the following command?

A. BREAK

B. TRIM

C.EXPLODE

D.OVERKILL

3. Scrolling of mouse can perform which following action?

A. Zoom in / zoom out

- B. Pan & scan
- C. Extents / all
- D. Scale

4. Is there any difference between Command Plot and Print?

- A. Plot command prints only big plans
- B. The plot command for CNC (CAM)
- C. No difference
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5. Find the false statement in regards with "If an array is made associative".

- A. You can't use Boolean operations on the array elements
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- C. The array can be edited again by selecting it
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6. To select a set of objects in the workspace, what should be done?

- A. By a crossing window drawn from right to left
- B By a crossing window drawn left to right
 - C. Shift + clicking on the objects
 - D. None of the above

7. A line shows its dimension as 14.52. What is the precision of this line?

A. [0.0]

B. [0.00]

C. [0.000]



D. Display of length has nothing to do with precision

8. Shortcut for Trim command is,

A. T

B. TR

C. TI

D. X

9. If you change the scale list a project that I have started from 1:50 1:10 then,

A You will have to start over

B. You should not raise the objects already exist (scale) by 5

C. You will not need to change anything in hitherto methodology

D. Should be converted into new items that will add based on the new scale

10. A line 4mm in length inclined at 75 degrees to the x- axis can be represented as,

A. Will write 0 < 75

B. Will write 0 < 15

C. Will write 4 < 15

D. Will write 4 < 75

11. How will you create a line representing length 15 units at an angle of 30 degrees with respect to the positive direction of the X-axis and the first point of the line is not at the origin?

A. 30<15

B. 15<30

C. @30<15

D. @15<30

Anagha Asokan.



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5 WORKSHOP ON CRAFTING WITH CAD



D.OVERKILL

PRACTICE QUESTIONS

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Answer: C) Z	Explanation	on: Z axis is relevan	nt to 3D modelling	

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CEXPLODE

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5 WORKSHOP ON CRAFTING WITH CAD

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5 WORKSHOP ON CRAFTING WITH CAD PRACTICE QUESTIONS

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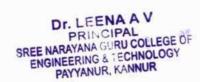
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D. @15<30



D.OVERKILL



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5 WORKSHOP ON CRAFTING WITH CAD

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C.EXPLODE

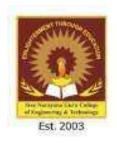
3. Scrolling of mouse can perform which following action?

B. TRIM

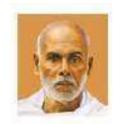
- A. Zoom in / zoom out
- B. Pan & scan

A. BREAK

- C. Extents / all
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ROBOTICS WORKSHOP

WORKSHOP ASSESSMENT TEST

SL.NO	NAME	MARKS (10)
1.	ATHUL S	子
2.	ANUSREE N	8
3.	AKARSH KRISHNA	8
4.	YUVN SHANKAR	8
5.	SINI MOL PP	9
6.	SNEHA T	10
7.	VARADA B	7
8.	LAKSHMI	6
9.	HARISREE K	5
10.	DIYA M	6
11.	ZAHA FATHIMA	9
12.	SREEHARI TV	4
13.	AKASH KRISHANAN	7
14.	SIDHI T	3
15.	ARADHYA SURESH	3
16.	ASWATHI P	10
17.	SHAMNAS S	8
18.	AARYA MS	9
19.	FATHIMATHUL FIDA P K	10

20.	JAGAN MOHAN	10
21.	MOHAMMED NAAZ	8
22.	THANYA M S	8
23.	FATHIMATHUL NIDHA	7
24.	SREELAKSHMI C	3
25.	ANUSREE TK	5
26.	MALAVIIKA P	9
27.	SHREYA S	4
28.	NIMISHA SAJEEV	8
29.	MEGHANA S	10
30.	KEERTHI T	lo

Event Coordinator

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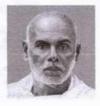
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ROBOTICS WORKSHOP (02/08/2022-6/08/2022)

ACADEMIC YEAR 2022-2023

QUESTION PAPER AND ANSWER SCHEME

- 1. What is the primary function of a robotic arm?
 - a) Movement
 - b) Sensing
 - c) Processing
 - d) Communication
- 2. Which of the following is NOT a type of robot based on mobility?
 - a) Stationary robots
 - b) Mobile robots
 - c) Articulated robots
 - d) Aerial robots
- 3. What is the function of an end effector in a robotic arm?
 - a) To provide stability
 - b) To provide power
 - c) To provide control
 - d) To perform tasks
- 4. Which programming language is commonly used in robotics?
 - a) Python
 - b) C++
 - c) Java
 - d) All of the above
- 5. What is the purpose of sensors in robotics?
 - a) To provide power
 - b) To provide mobility
 - c) To gather information
 - d) To provide communication
- 6. Which of the following is a type of sensor commonly used in robotics for detecting obstacles?
 - a) Ultrasonic sensor
 - b) Thermal sensor

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- c) Pressure sensor
- d) Light sensor
- 7. What is the function of a PID controller in robotics?
 - a) To control power supply
 - b) To regulate speed
 - c) To provide communication
 - d) To process sensory information
- 8. Which of the following is NOT a component of a robotic system?
 - a) Actuator
 - b) Sensor
 - c) CPU
 - d) Mouse
- 9. Which type of robot is designed to perform tasks in environments hazardous to humans?
 - a) Industrial robot
 - b) Medical robot
 - c) Hazardous environment robot
 - d) Educational robot
- 10. What is the purpose of inverse kinematics in robotics?
 - a) To calculate joint angles for desired end-effector positions
 - b) To calculate end-effector positions for desired joint angles
 - c) To control communication between robots
 - d) To optimize power consumption in robots

Answers:

- 1. a) Movement
- 2. c) Articulated robots
- 3. d) To perform tasks
- 4. d) All of the above
- 5. c) To gather information
- 6. a) Ultrasonic sensor
- 7. b) To regulate speed
- 8. d) Mouse
- 9. c) Hazardous environment robot
- 10. a) To calculate joint angles for desired end-effector positions



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ROBOTICS WORKSHOP (02/08/2022-6/08/2022)

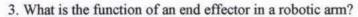
ACADEMIC YEAR 2022-2023

1.	What	is	the	primary	function	of	a	rol	botic	arm	?
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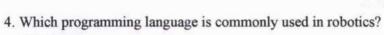
- , a Movement
- b) Sensing
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- 2. Which of the following is NOT a type of robot based on mobility?
 - a) Stationary robots
 - b) Mobile robots
 - Articulated robots
 - d) Aerial robots



- a) To provide stability
- b) To provide power
- c) To provide control
- To perform tasks



- a) Python
- b) C++
- c) Java
- d) All of the above



5. What is the purpose of sensors in robotics?

- a) To provide power
- b) To provide mobility
- (e) To gather information
- d) To provide communication

6. Which of the following is a type of sensor commonly used in robotics for detecting obstacles?

- a) Ultrasonic sensor
- b) Thermal sensor
- Pressure sensor
- d) Light sensor



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Dr. LEENA AV

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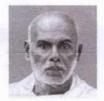
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7.	What is	the	function	of a	PID	controller	in	robotics
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ROBOTICS WORKSHOP (02/08/2022-6/08/2022)

A	ACADEMIC YEAR 2022-2023	
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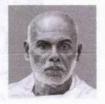


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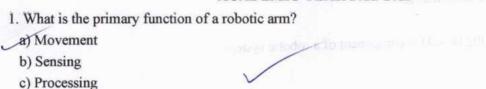
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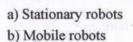
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ROBOTICS WORKSHOP (02/08/2022-6/08/2022)

ACADEMIC YEAR 2022-2023



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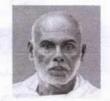
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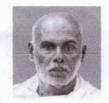
ROBOTICS WORKSHOP (02/08/2022-6/08/2022)

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b) Sensing			omerce/a (C
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b) Thermal sensor			
c) Pressure sensor		104	N. W.
d) Light sensor			AAV OF



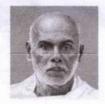
CHALAKKODE P.O., KOROM, PAYYANUR, KANNUR-670 307



- 7. What is the function of a PID controller in robotics?
 - a) To control power supply
- b) To regulate speed
- c) To provide communication
- d) To process sensory information
- 8. Which of the following is NOT a component of a robotic system?
 - a) Actuator
 - b) Sensor
- CPU CPU
 - d) Mouse
- 9. Which type of robot is designed to perform tasks in environments hazardous to humans?
 - a) Industrial robot
 - b) Medical robot
- Hazardous environment robot
 - d) Educational robot
- 10. What is the purpose of inverse kinematics in robotics?
- a) To calculate joint angles for desired end-effector positions
 - b) To calculate end-effector positrons for desired joint angles
 - c) To control communication between robots
 - d) To optimize power consumption in robots



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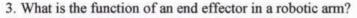
ROBOTICS WORKSHOP (02/08/2022-6/08/2022)

Malavika.P

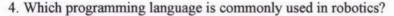
ACADEMIC YEAR 2022-2023

1. What is the primary f	unction of a robotic arm?
a) Movement	
b) Sensing	

- c) Processingd) Communication
- 2. Which of the following is NOT a type of robot based on mobility?
 - a) Stationary robots
 - b) Mobile robots
- Articulated robots
 - d) Aerial robots



- a) To provide stability
- b) To provide power
- c) To provide control
- To perform tasks



- a) Python
- b) C++
- c) Java
- d) All of the above

5. What is the purpose of sensors in robotics?

- a) To provide power
- b) To provide mobility
- , c) To gather information
 - d) To provide communication

6. Which of the following is a type of sensor commonly used in robotics for detecting obstacles?

- a) Ultrasonic sensor
- b) Thermal sensor
- c) Pressure sensor
- d) Light sensorman Runayyan

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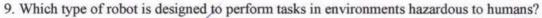


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CPU

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WORKSHOP ON ARDUINO BASICS WITH HANDS-ON TRAINING

WORKSHOP ASSESSMENT TEST

SL.NO	NAME	MARKS (10)
1.	ADITH SURYA	5
2.	AKSHAY P	8
3.	ANGEL MARY	8
4.	ANN MARIYA	J
5.	ABHILASH CK	4
6.	AKASH B	3
7.	ABAY DEV	7
8.	AKHIL K	7
9.	ASWATHI C	8
10.	ANU M	8
11.	DHRUV D K	9
12.	ллтн Р К	10
13.	RENJITH K	7
14.	RONNY K	8
15.	RAHUL KK	9
16.	REMYA B	10
17.	RASHA FATHIMA K	8/10
18.	NASLA FATHIMA PV	EENAAL

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19.	SANVI SARATH	8
20.	SUSAN SAM	6
21.	SUDHIN C P	6
22.	SOUJISHA KK	7
23.	SHAHASAD	5
24.	SUNISH	4
25.	SISIRA SREEKUMAR	8
26.	SHIVARANJINI	7
27.	KARTIK	3
28.	ATHUL KUMAR	8
29.	AJAY P K	9

Event Coordinator

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

WORKSHOP ON ARDUINO BASICS WITH HANDS-ON TRAINING (06/06/2022 - 10/06/2022)

ACADEMIC YEAR 2021-2022

QUESTION PAPER AND ANSWER SCHEME

- 1. What is Arduino?
 - a) A type of breadboard
 - b) A single-board microcontroller
 - c) A programming language
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- 2. Which programming language is primarily used for Arduino?
 - a) Python
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- 3. Which software is commonly used to write code for Arduino boards?
 - a) Arduino IDE
 - b) Microsoft Word
 - c) Adobe Photoshop
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- 4. What is the purpose of the setup() function in Arduino sketches?
 - a) To declare global variables
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 - c) To define functions
 - d) To handle user input
- 5. Which Arduino board is known for its small size and low power consumption?
 - a) Arduino Uno
 - b) Arduino Mega
 - c) Arduino Nano
 - d) Arduino Leonardo
- 6. What does digitalWrite() function do in Arduino?
 - a) Reads digital input from a pin
 - b) Writes a digital value to a pin
 - c) Sets the baud rate for serial communication

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- d) Performs mathematical operations
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 - a) Digital pin
 - b) Analog pin
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 - d) Ground pin

Answers:

- 1. b) A single-board microcontroller
- 2. b) C++
- 3. a) Arduino IDE
- 4. b) To set up the hardware and initialize variables
- 5. c) Arduino Nano
- 6. b) Writes a digital value to a pin
- 7. b) Arduino Raspberry Pi
- 8. a) It continuously executes the code within it
- 9. c) Pushbutton
- 10. b) Analog pin

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ACADEMIC YEAR 2021-2022

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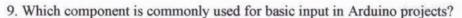
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IoT | Workshop on Internet of Things using Arduino, RaspberryPi & MQTT

WORKSHOP ASSESSMENT TEST

SL.NO	NAME	MARKS (10)
1.	ABHISHEK C	7
2.	MUBASHIR K C	6
3.	АВНІЛІТН Ј	5
4.	NANDANA K P	8
5.	SMEYA SAJITH	8
6.	FAIHA ROUF	7
7.	ABHIRAG P	4
8.	MUHAMMED RAZI VK	5
9.	AGRAJ M	于
10.	GOPIKA V	4
11.	MANJUSH PREM KUMAR	9
12.	ARJUN A J	10
13.	AJMAL A K	7
14.	AMARNATH BALAN C	5
15.	ANUSRUTHI K MANOJ	3
16.	ARYAN SREEJESH	4
17.	ANUVINDNK	5
18.	ABHISHEK M	5 / We TAV SEOF

19.	MUHAMMED ADIL	8
20.	MUHAMMED AMAN	7
21.	АВНІЛТН KUMAR A S	7
22.	ASWIN P S	4
23.	ATHUL MOHAN	3
24.	SARANG S HARI	Ŧ
25.	AKRSH KRISHNA	9
26.	SABIN M	10
27.	NANDU KRISHNA	7
28.	MUHAMMED SHAMMAS K	8
29.	MUHAMMED SABITH	6
30.	MUHAMMED FAHAD MP	5
31.	SREYAS MANOHARAN	5
32.	JUGAL DEV	7
33.	ANURAG CP	9
34.	ABHINAV PP	9
35.	HIMA SUJESH R K	8
36.	FATHIMATH RASHA	lo
37.	SREYA M	7
38.	P SOUPARNIKA	8
39.	VISMAYA VINOD K	7
40.	SWEJA P	7
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Event Coordinator

Dr. LEENA AV

Dr. LEENA AV

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IoT | Workshop on Internet of Things using Arduino, RaspberryPi & MQTT (24/05/2021-29/05/2021)

ACADEMIC YEAR 2020-2021

QUESTION PAPER AND ANSWER SCHEME

- 1. What is MQTT?
 - a) A programming language
 - b) A communication protocol for IoT
 - c) An operating system
 - d) A hardware component
- 2. Which of the following devices can be used as an IoT edge device?
 - a) Arduino Uno
 - b) Raspberry Pi
 - c) Both a and b
 - d) Neither a nor b
- 3. What is the role of Arduino or Raspberry Pi in an IoT system?
 - a) Data processing
 - b) Cloud storage
 - c) Edge computing
 - d) Mobile application development
- 4. Which of the following is NOT a characteristic of MQTT?
 - a) Lightweight
 - b) High latency
 - c) Pub/Sub communication model
 - d) Low bandwidth usage
- 5. Which MQTT concept ensures that a message is delivered at least once to the subscriber?
 - a) Quality of Service (QoS) 0
 - b) Quality of Service (QoS) 1
 - c) Quality of Service (QoS) 2
 - d) Quality of Service (QoS) 3.
- 6. What is the primary function of a broker in MQTT?
 - a) Subscribing to topics
 - b) Publishing messages

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- c) Storing and forwarding messages
- d) Filtering messages
- 7. Which Arduino or Raspberry Pi pin can be used to establish a serial connection for MQTT communication?
 - a) Analog pin
 - b) Digital pin
 - c) Ground pin
 - d) Tx/Rx pins
- 8. Which programming language is commonly used to develop MQTT clients for Arduino and Raspberry Pi?
 - a) Python
 - b) C++
 - c) Java
 - d) JavaScript
- 9. In an MQTT topic hierarchy, what does a wildcard "+" represent?
 - a) One or more levels of hierarchy
 - b) Any single level of hierarchy
 - c) The root level
 - d) A specific topic name
- 10. Which of the following is a benefit of using MQTT in IoT applications?
 - a) High bandwidth usage
 - b) Low power consumption
 - c) Limited scalability
 - d) Complexity in implementation

Answers:

- 1. b) A communication protocol for IoT
- 2. c) Both a and b
- 3. c) Edge computing
- 4. b) High latency
- 5. b) Quality of Service (QoS) 1
- 6. c) Storing and forwarding messages
- 7. d) Tx/Rx pins
- 8. b) C++
- 9. b) Any single level of hierarchy
- 10. b) Low power consumption

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Workshop on Internet of Things using Arduino, RaspberryPi &	MQ11 (24/05/2021-29/05
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8. Which programming language is commonly used to develop MQTT clie	ents for Arduino and Raspberry Pi?
a) Python	
b) C++	
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9. In an MQTT topic hierarchy, what does a wildcard "+" represent?	
a) One or more levels of hierarchy	
Any single level of hierarchy	
c) The root level	
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10. Which of the following is a benefit of using MQTT in IoT application:	of your restual (b)
a) High bandwidth usage	
b) Low power consumption	
c) Limited scalability	
d) Complexity in implementation	
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a) Subscribing to topicsb) Publishing messages

d) Filtering messages

Storing and forwarding messages

SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IoT | Workshop on Internet of Things using Arduino, RaspberryPi & MQTT (24/05/2021-29/05/2021)

ACADE	MIC YEAR 2020-2021	
1. What is MQTT?		(5/10)
A programming language		
b) A communication protocol for IoT	X	n 15-17 m
c) An operating system	over the Total And I will hall	
d) A hardware component		
2. Which of the following devices can be use	ed as an IoT edge device?	
Arduino Uno		
b) Raspberry Pi	. /	
c) Both a and b	X and the filters of	
d) Neither a nor b		
3. What is the role of Arduino or Raspberry	Pi in an IoT system?	
a) Data processing		
Cloud storage	V	
c) Edge computing	^	
d) Mobile application development		
4. Which of the following is NOT a characte	ristic of MQTT?	
a) Lightweight		
b) High latency		
c) Pub/Sub communication model	~	
d) Low bandwidth usage		
5. Which MQTT concept ensures that a mess	sage is delivered at least once	to the subscriber?
a) Quality of Service (QoS) 0		
by Quality of Service (QoS) 1		
c) Quality of Service (QoS) 2		
d) Quality of Service (QoS) 3		2
6. What is the primary function of a broker in	n MOTT?	

7. Which Arduino or Raspberry Pi pi	in can be used to establish a serial c	onnection for MQTT communication?
a) Analog pin		
b) Digital pin	RAY, (NA GURL COL	
c) Ground pin		
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8. Which programming language is c	commonly used to develop MOTT of	clients for Arduino and Raspberry Pi?
a) Python	Contract Section 1975	
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c) Java		
d) JavaScript		
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9. In an MQTT topic hierarchy, what	does a wildcard "+" represent?	
a) One or more levels of hierarchy	A	
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10. Which of the following is a bene-	fit of using MQTT in IoT application	ons?
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IoT | Workshop on Internet of Things using Arduino, RaspberryPi & MQTT (24/05/2021-29/05/2021)

	ACADEMIC YEAR 2020-2021	
1. What is MQTT?		(10/)
a) A programming language		('(10)
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c) An operating system	imaging of the state of the second	
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a) Arduino Uno		
b) Raspberry Pi		A Windowski and A Community (1)
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d) Neither a nor b	•	
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c) Edge computing		
d) Mobile application development	nent	
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d) Low bandwidth usage Mous	ne	
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Dy Quality of Service (QoS) 1		
c) Quality of Service (QoS) 2		
d) Quality of Service (QoS) 3		
6. What is the primary function o	of a broker in MQTT?	/
a) Subscribing to topics		r eve
b) Publishing messages		
Storing and forwarding mess	sages	NAN
d) Filtering messages	•	Dr. LEENA AV PRINCIPAL PRINCIPAL SREE NARAYANA GURU COLLEGE OF SREE NARAYANA 8 TECHNOLOGY SREENARAYANA 8 TECHNOLOGY SREENARAYANA 8 TECHNOLOGY
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7. Which Arduino or Ra	spberry Pi pin can be used to establ	fish a serial connection for MQ	TT communication?
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SREE NARAYANA GURU COLLEGE OF ENGINEERING & **TECHNOLOGY**

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2. Which of the following devices c	an be used as an IoT edge device?	
Arduino Uno		
b) Raspberry Pi	V	
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3. What is the role of Arduino or Ra	spherry Pi in an IoT system?	
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b) Cloud storage		
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d) Mobile application developmen	nt .	
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4. Which of the following is NOT a	characteristic of MOTT?	
a) Lightweight		
b) High latency	7	
c) Pub/Sub communication model	M 3300	
d) Low bandwidth usage	DN3 PENG	
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5 Which MOTT concept ensures th	at a message is delivered at least on	ce to the subscriber?
a) Quality of Service (QoS) 0		
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c) Quality of Service (QoS) 2		
d) Quality of Service (QoS) 3		
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6. What is the primary function of a	broker in MQTT?	
a) Subscribing to topics		
b) Publishing messages		1 eve
Storing and forwarding messag	es	1
d) Filtering messages	./	C

7. Which Arduino or Ras	spberry Pi pin can be used to	establish a serial connection	for MQTT communication?
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b) Digital pin	central transfer	E DARAMANA GI	
c) Ground pin		-	
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8. Which programming la	anguage is commonly used	to develop MQTT clients for	Arduino and Raspberry Pi?
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c) Java			
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c) The root level	noracity	Contract restrict 9	
d) A specific topic nam	15 (15 ES)		
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10 Which of the following	ng is a benefit of using MQ	TT in IoT applications?	
		11 m 101 applications?	
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b) Low power consum	puon		
c) Limited scalability	Small P		
d) Complexity in impl	ementation		
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d) Filtering messages

SREE NARAYANA GURU COLLEGE OF ENGINEERING & **TECHNOLOGY**

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IoT | (2021)

Workshop on Internet of Things using Arduino, Raspberry	Pi & MQTT (24/05/2021-29/05/
ACADEMIC YEAR 2020-2021	
1. What is MQTT?	(H/D)
a) A programming language	(10)
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An operating system	1
d) A hardware component	As a later to a rose of older state of
2. Which of the following devices can be used as an IoT edge device	? I ye
a) Arduino Uno	
b) Raspberry Pi	V ar marrial man to rout A fill
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b) Cloud storage	.
c) Edge computing	X
d) Mobile application development	
4. Which of the following is NOT a characteristic of MQTT?	
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c) Pub/Sub communication model	
d) Low bandwidth usage 3398	
5. Which MQTT concept ensures that a message is delivered at least	once to the subscriber?
a) Quality of Service (QoS) 0	
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c) Quality of Service (QoS) 2	
d) Quality of Service (QoS) 3	
6. What is the primary function of a broker in MQTT?	
a) Subscribing to topics	_
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c) Storing and forwarding messages	

7. Which Arduino or Raspberry Pi p	oin can be used to establish a serial conne	ection for MQTT communication?
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c) Ground pin		
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a) Python		
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c) Java		
d) JavaScript		
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9. In an MQTT topic hierarchy, wha		
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	efit of using MQTT in IoT applications?	
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c) Limited scalability	Committee for the contract of	
d) Complexity in implementation		
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DIGITAL IMAGE PROCESSING USING PYTHON

WORKSHOP ASSESSMENT TEST

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2.	ANAGHA P	6
3.	ANJALI BABU K	6
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5.	ATHENA ANIL	8
6.	ATHULYA KC	5
7.	HARSHA SHANKAR	5
8.	KP ANUPRIYA	3
9.	NAVEENA.M	6
10.	NAVYA BHASKARAN	4
11.	SREE HARI	4
12.	SUDEEP K S	2
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14.	ANJANA.P.M	8
15.	ASHNA SHIBURAJ	ю
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18.	GOPIKA RAJ NAMBIAR	6/
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20.	SAYOOJ.K	6
21.	SHREYALAKSHMI.M	I
22.	SREEROOP PRASAD	7
23.	T.P.MALAVIKA SAJEEV	8
24.	VISMAYA MANOHARAN	8
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35.	VRINDA RAMACHANDRAN K	8
36.	ARJUN ASHOK K	Ħ
37.	JITHIN SASIDHARAN NV	5
38.	KEERTHANA CV	5
39.	MARIYAMBI	6
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Event Coordinator

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

WORKSHOP ON DIGITAL IMAGE PROCESSING USING PYTHON (04/11/2019 - 08/11/2019)

ACADEMIC YEAR 2019-2020

OUESTION PAPER AND ANSWER SCHEME

- 1. Which library is commonly used for digital image processing in Python?
 - a) NumPy
 - b) TensorFlow
 - c) Django
 - d) Matplotlib
- 2. Which Python library provides tools for reading and writing images?
 - a) OpenCV
 - b) SciPy
 - c) Pandas
 - d) Scikit-image
- 3. What is the purpose of the NumPy library in digital image processing?
 - a) Data visualization
 - b) Machine learning
 - c) Scientific computing
 - d) Array manipulation
- 4. Which of the following is NOT a common operation in digital image processing?
 - a) Edge detection
 - b) Image segmentation
 - c) Sentiment analysis
 - d) Image filtering
- 5. Which method is commonly used for resizing images in OpenCV?
 - a) resize()
 - b) scale()
 - c) reshape() runnan Aunay
- 6. Which of the following is NOT a color space commonly used in digital image processing?
 - a) RGB
 - b) HSV

- c) XYZ
- d) GBR
- 7. What is the purpose of the Sobel operator in digital image processing?
 - a) Noise reduction
 - b) Image enhancement
 - c) Edge detection
 - d) Color quantization
- 8. Which Python library is commonly used for displaying images?
 - a) Matplotlib
 - b) Seaborn
 - c) Plotly
 - d) Bokeh
- 9. Which method is commonly used for converting color images to grayscale in OpenCV?
 - a) cvtColor()
 - b) convertToGray()
 - c) grayscale()
 - d) toGray()
- 10. What is the purpose of histogram equalization in digital image processing?
 - a) Enhancing contrast
 - b) Reducing noise
 - c) Removing artifacts
 - d) Sharpening edges

Answers:

- 1. a) NumPy
- 2. a) OpenCV
- 3. d) Array manipulation
- 4. c) Sentiment analysis
- 5. a) resize()
- 6. d) GBR
- 7. c) Edge detection
- 8. a) Matplotlib
- 9. a) cvtColor()
- 10. a) Enhancing contrast

Dr. LEENA AV

Dr. LEENA AV

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

WORKSHOP ON DIGITAL IMAGE PROCESSING USING PYTHON (04/11/2019 - 08/11/2019)

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a) NumPy	The state of the
b) TensorFlow	(10)
c) Django	(10)
d) Matplotlib	ty mail has
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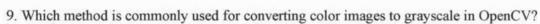


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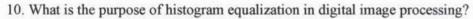
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WORKSHOP O	N DIGITAL IMAGE	E PROCESSING USING	PYTHON (04/11/20	19 - 08/11/2019)
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a) NumPy	WELL WAR A CHARLES CONCRETE SHE LEAVEN AND AT LIBERTS	a para di terrata di materia da di terrata di terrata di America di America di America di America di America d	_	ol Plank
b) TensorFlo)W	T.	12	A Selection
c) Django		2		-)
d) Matplotlib	b sylegli se a g	o say has su a m	(10	
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a) OpenCV				
b) SciPy				
c) Pandas		1		
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3. What is the	purpose of the NumPy li	ibrary in digital image process	sing?	
a) Data visua	alization			
b) Machine I	earning			
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4. Which of the	e following is NOT a co	mmon operation in digital im-	age processing?	
a) Edge detec	ction	.7		
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5. Which meth	nod is commonly used fo	or resizing images in OpenCV	?	
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c) XYZ		10		
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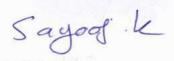
- b) Seaborn
- c) Plotly
- d) Bokeh



- a) evtColor()
- b) convertToGray()
- c) grayscale()
- d) toGray()



- a) Enhancing contrast
- b) Reducing noise
- c) Removing artifacts
- d) Sharpening edges





DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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ACADEMIC YEAR 2019-2020	
1. Which library is commonly used for digital image processing in Pytho	on?
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c) Pandas	
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d) rescale()	
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b) HSV	dew_
c) XYZIAN RUNAYYAQ 33RD	DE LEENA AV
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- 7. What is the purpose of the Sobel operator in digital image processing?

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 c) Edge detection
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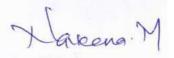


DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

019)

ORKSHOP ON DIGITAL IMAGE PROCESSING USING PYTHON (04	/11/2019 - 08/11/20
ACADEMIC YEAR 2019-2020	
1. Which library is commonly used for digital image processing in Python?	
a) NumPy	(6)
b) TensorFlow	()
c) Django	(10 /
d) Matplotlib	THE ANALY
2. Which Python library provides tools for reading and writing images?	
a) OpenCV b) SciPy	
as a surprise different title	
d) Scikit-image	
3. What is the purpose of the NumPy library in digital image processing?	
a) Data visualization	
b) Machine learning	
Scientific computing	
d) Array manipulation	
4. Which of the following is NOT a common operation in digital image processing?	1
a) Edge detection	
b) Image segmentation	
c) Sentiment analysis	
d) Image filtering	
5. Which method is commonly used for resizing images in OpenCV?	144
a) resize()	
b) scale()	
c) reshape()	
d) rescale()	
6. Which of the following is NOT a color space commonly used in digital image pro	ocessing?
a) RGBuo Again and	
b) HSV	
SAKE WELLE WALLE AND SAKE WALLES WAND WAND WALLES WAND WAND WAND WALLES WAND WAND WAND WAND WAND WAND WAND WAND	ENA A LIEGEOF
d) GBR Dr. PRI	NCIRU COLLOGY
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7. What is the purpose of the Sobel operator in digital image processing?	
a) Noise reduction	
a) Noise reduction	
b) Image enhancement	
d) Color quantization	
WHITE HARD CESSES TO SECURE AND A SECURE OF THE SECURITY OF TH	
8. Which Python library is commonly used for displaying images?	
Matplotlib / OSOS OLO STATE OHIZED A 7/4	
b) Seaborn	
c) Plotly	
d) Bokeh	
9. Which method is commonly used for converting color images to grayscale in Ope	nCV?
a) cvtColor()	
b) convertToGray()	
c) grayscale()	
d) toGray()	
10. What is the purpose of histogram equalization in digital image processing?	
a) Ephancing contrast	
b) Reducing noise	
c) Removing artifacts	
d) Charmoning adgree	
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

9)

WORKSHOP ON DIGITA	AL IMAGE PROCESSING USING PYTHON (04/11/2019 - 08/11/20
	ACADEMIC YEAR 2019-2020	
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b) TensorFlow		
c) Django		
d) Matplotlib	in the state of th	(6)
2. Which Python library p	provides tools for reading and writing images?	10
a) OpenCV		AMERICAN AND AND AND AND AND AND AND AND AND A
b) SciPy		
c) Pandas		
d) Scikit-image	Market of S. The laterty of the contributed constitutes in	
3. What is the purpose of	the NumPy library in digital image processing?	
a) Data visualization	, , , , , , , , , , , , , , , , , , , ,	
b) Machine learning	/	
c) Scientific computing		
A) Array manipulation		
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b) Image segmentation		
Sentiment analysis		
d) Image filtering		
A.		
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b) HSV		
c) XXZ	. /	2 V
d) GBR		LEENAL LEGE OF
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c) Edge detection	
d) Color quantization	
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e) Plotly	
d) Bokeh	
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b) convertToGray()	
c) grayscale()	
d) toGray()	
5,12514,0	
10. What is the purpose of histogram equalization in	n digital image processing?
a) Enhancing contrast	
b) Reducing noise	
c) Removing artifacts	b) Maurice learning
d) Sharpening edges	
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

HANDS ON TRAINING EMBEDDED C C++

WORKSHOP ASSESSMENT TEST

SL.NO	NAME	MARKS (10)
1.	Adarsh Prakash	8
2.	Aswathi Sreekanth	8
3.	Gopika C	7
4.	Rithin Ramesh	6
5.	Shabna Melath Babu	4
6.	Sheona Sathish	3
7.	Sruthi T K	7
8.	Afeefa K	4
9.	Anagha P	4
10.	Anjali Babu K	5
11.	Aryasree Vijayaraj D	6
12.	Aswathi K T	6
13.	Athena Anil	6
14.	Athulya K C	7
15.	Harsha Sankar	8
16.	Sudeep K S	7
17.	Vipin PV	5
18.	Vismitha Pramod	Mare and Br

19.	Anjana P M	6
20.	Asha Shiburaj	10
21.	Aswathi M V	8
22.	Gopika Raj Nambiar	8
23.	Shreya Lakshmi M	す
24.	TP Malavika Sajeev	4
25.	Vismaya Manoharan	8
26.	Arya A	7
27.	Karthika T	6
28.	Aparna Sajikumar	5
29.	Aswathi Asokan	4
30.	Dhanush Puthalath	8
31.	Hrithika K V	8
32.	Mabitha C	9
33.	Vrinda Ramachandran	8

Event Coordinator

Dr. LEENA AV

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

HANDS ON TRAINING ON EMBEDDED C,C++ (25/7/2018-29/7/2018)

ACADEMIC YEAR 2018-2019

OUESTION PAPER AND ANSWER SCHEME

- 1. Which of the following is NOT a feature of Embedded C?
 - a) Dynamic memory allocation
 - b) Fixed-point arithmetic
 - c) Limited resources
 - d) Direct hardware manipulation
- 2. In Embedded C, which keyword is used to declare a function that does not return any value?
 - a) void
 - b) null
 - c) empty
 - d) none of the above
- 3. Which of the following is NOT a common data type in Embedded C?
 - a) int
 - b) float
 - c) char
 - d) long
- 4. What is the purpose of the volatile keyword in Embedded C?
 - a) To indicate that a variable may change at any time without any action being taken by the code
 - b) To declare a constant variable
 - c) To indicate that a variable cannot be modified
 - d) To optimize code execution
- 5. Which of the following is NOT a characteristic of Embedded C++?
 - a) Object-oriented programming
 - b) Dynamic memory allocation
 - c) Strongly typed language
 - d) Templates
- 6. Which keyword is used to define a constant in Embedded C and C++?
 - a) const
 - b) static
 - c) define A Augga

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SREE NARAYANA & TECHNOLOGY

- d) final
- 7. In Embedded C++, which feature allows defining classes within classes?
 - a) Inheritance
 - b) Encapsulation
 - c) Polymorphism
 - d) Nested classes
- 8. Which statement is true about interrupt handling in Embedded C?
 - a) Interrupts cannot be handled in Embedded C
 - b) Interrupt handling can be achieved using polling
 - c) Interrupt Service Routines (ISRs) are used to handle interrupts
 - d) Interrupts are automatically handled by the hardware
- 9. Which of the following is a common development toolchain for Embedded C and C++?
 - a) Arduino IDE
 - b) Eclipse with GNU ARM toolchain
 - c) Microsoft Visual Studio
 - d) PyCharm
- 10. Which of the following is NOT a commonly used microcontroller platform for Embedded C and C++ development?
 - a) Arduino
 - b) Raspberry Pi
 - c) PIC
 - d) NodeMCU

Answers:

- 1. a) Dynamic memory allocation
- 2. a) void
- 3. b) float
- 4. a) To indicate that a variable may change at any time without any action being taken by the code
- 5. b) Dynamic memory allocation
- 6. a) const
- 7. d) Nested classes
- 8. c) Interrupt Service Routines (ISRs) are used to handle interrupts
- 9. b) Eclipse with GNU ARM toolchain
- 10. b) Raspberry Pi

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a) const

b) standed LOS CONTROLLOS STANDED ANAVARAN SER CO define WANNAN RUNAYARAN SER CONTROLLOS STANDED ANAVARAN RUNAYARAN PAYARAN PAYARAN RUNAYARAN PAYARAN PAYARAN

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

HANDS ON TRAINING ON EMBEDDED C,C++ (25/7/2018-29/7/2018)

ACADEMIC YEAR 2018-2019	
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a) void	
b) null	, (
c) empty	(0)
d) none of the above	
	5 1 7 A 1 A
3. Which of the following is NOT a common data type in Embedded C?	all alipali(la f
a) int	
b) float	
c) char	
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4. What is the purpose of the volatile keyword in Embedded C?	
a) To indicate that a variable may change at any time without any action bein	g taken by the code
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development?	
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b) Raspberry Pi	
c) PIC	
d) NodeMCU	
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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c) Limited resources	4/1
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c) Strongly typed language	
d) Templates	
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(a) const	1
b) static	Love
c) define	New_

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

HANDS ON TRAINING ON EMBEDDED C,C++ (25/7/2018-29/7/2018)

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	ACADEMIC Y	YEAR 2018-2019	9	
1. Which of the following is NO	a feature of Em	nbedded C?		I THE DEFECTOR I
a) Dynamic memory allocation		du la J		PIID
b) Fixed-point arithmetic				(11)
c) Limited resources	1.			100
d) Direct hardware manipulatio	$_{\rm n}$			L L
2. In Embedded C, which keywor	d is used to decl	lare a function the	at does not retur	n any value?
(a) void				
b) null				
c) empty	tin i 🥜			
d) none of the above				
3. Which of the following is NOT	' a aamman data	trma in Embadd	od C2	
a) int	a common data	type in Embedd	ed Cr	
' /				
b) float				
c) char				
d) long				
4. What is the purpose of the volc	tile keyword in	Embedded C?		
a) To indicate that a variable m	ay change at any	time without any	y action being ta	aken by the code
b) To declare a constant variable	e			
c) To indicate that a variable ca	pnot be modified	d		
d) To optimize code execution	SREE NA			
5. Which of the following is NO	a characteristic	of Embedded C-	++?	
a) Object-oriented programmin	g			
b) Dynamic memory allocation				
c) Strongly typed language				
d) Templates				
6. Which keyword is used to defi	ne a constant in	Embedded C and	I C++?	

a) const

b) static

c) define

d) final

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- 7. In Embedded C++, which feature allows defining classes within classes?
 - a) Inheritance
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- c) Polymorphism
 - d) Nested classes



- a) Interrupts cannot be handled in Embedded C
- γ b) Interrupt handling can be achieved using polling
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PAYYANUR, KANNUR





d) final

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

HANDS ON TRAINING ON EMBEDDED C,C++ (25/7/2018-29/7/2018)

	ACAI	DEMIC YEAR 2018-	-2019	
1. Which of the follow	ing is NOT a featu	ure of Embedded C?		
a) Dynamic memory				
b) Fixed-point arithm				11
c) Limited resources				(0)
d) Direct hardware n	nanipulation			2
				era (m
2. In Embedded C, wh	ich keyword is use	ed to declare a function	on that does not return	any value?
a) void				
b) null				
c) empty				
d) none of the above				
3. Which of the follow	ing is NOT a com	mon data type in Eml	pedded C?	
a) int				
b) float				
c) char				
d) long		\ /		
/ •	1			
4. What is the purpose	of the volatile key	word in Embedded C	2?	
To indicate that a	variable may chan	ige at any time withou	it any action being tak	en by the code
b) To declare a const	The second secon			
c) To indicate that a		modified		
d) To optimize code	execution			
MAN & OU	AYARA.			
5. Which of the follow	ing AQT a char	racteristic of Embedde	ed C++?	
a) Object-oriented pr		\ \		
b) Dynamic memory		\mathcal{X}		
 c) Strongly typed lar 	iguage			
d) Templates		/		
C Which have a dis-	1. 16		V10119	
6. Which keyword is u	sed to define a cor	nstant in Embedded C	and C++!	
a) const b) static	` ^		1	
c) define	\bigvee			~9
U) dellie			3 A	For the second s

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7. In Embedded C++, which feature allows defining classes within classes? a) Inheritance b) Encapsulation c) Polymorphism > d) Nested classes 8. Which statement is true about interrupt handling in Embedded C? a) Interrupts cannot be handled in Embedded C b) Interrupt handling can be achieved using polling c) Interrupt Service Routines (ISRs) are used to handle interrupts d) Interrupts are automatically handled by the hardware 9. Which of the following is a common development toolchain for Embedded C and C++? a) Arduino IDE b) Eclipse with GNU ARM toolchain c) Microsoft Visual Studio d) PyCharm 10. Which of the following is NOT a commonly used microcontroller platform for Embedded C and C++ development? a) Arduino b) Raspberry Pi Ø) PIC d) NodeMCU



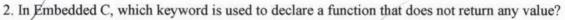
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

HANDS ON TRAINING ON EMBEDDED C,C++ (25/7/2018-29/7/2018)

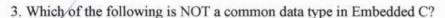
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1.	Which	of the	following	is NOT	a feature	of Embedded	C?
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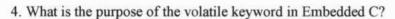
- a) Dynamic memory allocation
- b) Fixed-point arithmetic
- c) Limited resources
- d) Direct hardware manipulation



- void
- b) null
- c) empty
- d) none of the above



- a) int
- b) float
- c) char
- d) long



- a) To indicate that a variable may change at any time without any action being taken by the code
- b) To declare a constant variable
- c) To indicate that a variable cannot be modified
- d) To optimize code execution

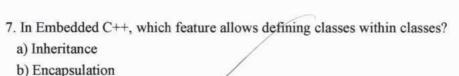
5. Which of the following is NOT a characteristic of Embedded C++?

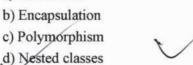
- a) Object-oriented programming
- b) Dynamic memory allocation
- c) Strongly typed language
- d) Templates

6. Which keyword is used to define a constant in Embedded C and C++?

- a) const
- b) static
- c) define
- d) final

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- 8. Which statement is true about interrupt handling in Embedded C?
- a) Interrupts cannot be handled in Embedded C
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ENGINEERING



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CHALAKKODE P.O., KOROM, PAYYANUR, KANNUR-670 307

DEPARTMENT OF MECHANICAL ENGINEERING



5 DAY WORKSHOP ON 3D PRINTING ASSESSMENT TEST MARKS

S.NO	NAME	MARKS
1	ADARSH.P.K	9
2	ADWAIDH BALAN	8
3	ANURAG A	7
4	ASWANTH.C	5
5	ATHUL.B	4
6	BIPIN.K	5
7	FARHAN.C	6
8	JASIN.P	8
9	MOHAMMED AAFIL ISMAYIL.M.K	7
10	MRIDUL.C	8
11	NITHIN.A	4
12	SANDESH K DINESH	3
13	ARJUN SHYLESH	2
14	ASHISH K	3
15	ASHWIN JOHN	7
16	ASWIN BABU M V	8
17	MOHAMMED SHAD ABDUL SATHAR	9
18	SOURAG K	10
19	ARJUN SHYLESH	7
20	ASHISH K	8

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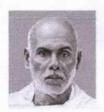
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Sree Narayana Guru College of Engineering & Technology

CHALAKKODE P.O., KOROM, PAYYANUR, KANNUR-670 307



1.

DEPARTMENT OF MECHANICAL ENGINEERING

MOCK TEST ON 3D PRINTING

What is 3D printing?

- a) Creating two-dimensional designs
- b) Adding layers to create three-dimensional objects
- c) Printing text documents on paper
- d) Printing holographic images
- 2. Which technology is commonly used in 3D printing?
- a) Laser cutting
- b) Injection molding
- c) Additive manufacturing
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- a) Metal
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- d) Rubber

Answer: c) Plastic

- 6. What is the term for the digital file that contains the instructions for a 3D printer?
- a) Blueprint
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- c) Code
- d) G-code

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- 7. Which industry has been greatly influenced by 3D printing technology?
- a) Automotive
- b) Banking
- c) Agriculture
- d) Hospitality
- 8. What is the process called when a 3D printer creates an object layer by layer?
- a) Sintering
- b) Extrusion
- c) Curing
- d) Fusing

Answer: b) Extrusion

- 9. Which additive manufacturing method uses a laser to solidify powdered materials?
- a) Fused deposition modeling (FDM)
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- 10. What is the term for the supportive structure that holds up overhanging parts during the
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- a) Scaffold
- b) Support material
- c) Filament
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ANSWER KEY

- 1. b) Adding layers to create three-dimensional objects
- 2. c) Additive manufacturing
- 3. c) Ability to create complex geometries
- 4. c) Solid Works
- 5. c) Plastic
- 6. d) G-code
- 7. a) Automotive
- 8. b) Extrusion
- 9. c) Selective laser sintering (SLS)
- 10. b) Support material

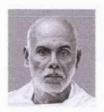
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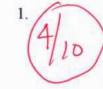
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DEPARTMENT OF MECHANICAL ENGINEERING

MOCK TEST ON 3D PRINTING

What is 3D printing?

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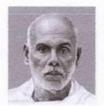
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DEPARTMENT OF MECHANICAL ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING

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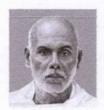
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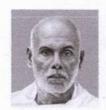
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SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

5 DAY WORKSHOP ON ADDITIVE MANUFACTURING

ASSESSMENT MARKS

S.NO	NAME	SEMESTER	MARKS
1	AJILASOKAN	S8	8
2	AKASHP	S8	7
3	AMAL G	S8	4
4	AMALRAJ	S8	3
5	MUHAMMED MUHSIN M	S8	5
6	NASIFKP	S8	4
7	RAMITH RAVINDRAN	S8	3
8	SALMANULFARIS	S8	4
9	SANJAY KRISHNAN	S8	8
10	SAURAVB	S8	4
11	VISHNURAJANE	S8	2
12	VYSHNAVMK	S8	1
13	ZAMNAAD KUNHAHAMED	S8	5

COORDINATOR

Dr. LEENA A V
PRINCIPAL
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ENGINEERING & TECHNOLOGY
PAYYANUR, KANNUR

HOD.

MOCK TEST ON "ADDITIVE MANUFACTURING"

1.	Which of the following is typically the printer?	cheapest type of 3D
	Mark only one oval.	
	FDM	
	SLA	
	O Powder-based	
	SLM	
2.	Which of the following is typically the printer?	most expensive type of
	Mark only one oval.	
	SLA	
	SLM	
	FDM	Leve_

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None of the above

3.	What printer melts metal?
	Mark only one oval.
	SLS
	SLM
	SLA
	FDM
4.	SLA printer's package material is in a
	Mark only one oval.
	Chain
	Spool
	Cartridge
	None of the above

٥.	What material is not used in 3D printing	
	Mark only one oval.	
	Nylon	
	ABS	
	PLA	
	PVC	
6.	Which file type is most commonly export	ed from CAD softwa
	Mark only one oval.	
	SLDRT	
	☐ JPG	
	STL	
	X3G	
7.	FDM build plates are prepared by	
	Mark only one oval.	
	Putting hair spray on it	
	Putting a layer of painters tape on it	Love
	all the above	- Automotive of the second
		Dr. LEENA A V PRINCIPAL SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY PAYYANUR, KANNUR

8.	What does SLS stand for?
	Mark only one oval.
	Selective laser sintering
	Selective lithographic solution
	Separated light sintering
	None of the above
9.	Which of the following does NOT influence how refined the 31 printed part will be?
	Mark only one oval.
	Layer thickness
	Using support material
	Part orientation
	All the above

10.	Which of the following does NOT influence how refined the printed part will be?	э 3
	Mark only one oval.	
	Layer thickness	
	Using support material	
	Part orientation	
	All the above	
11.	3D printing technology is expanding and is now able to primetal parts.	nt
	Mark only one oval.	
	True	
	False	

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ANSWER KEY -ADDITIVE MANUFACTURING

1.A

2.D

3.B

4.C

5.D

6.C

7.C

8.A

9.D

10.A

11.C

	* SILLIS			SREE NARA	YANA GURU COLI	LEGE OF ENGINEERING	& TECHNOLOG	Y			
	E38.3										
	10 TO				DEPARTMENT OF	MECHANICAL ENGINE	ERING				
Which of the following	is Which of the following	s t What printer me	elts metal?	What material is	s not used Which file type is	most co FDM build plates are pre	What does SLS stand for	Which of the following d	or Which of the following doe 3	D printing technology is ex	rpanding and is now able to
) Powder-based	SLM	SLM	Chain	PVC	SLDRT	all the above	Selective laser sintering	All the above	Part orientation	TRUE	
) SLA	SLM	SLM	Cartridge	PVC	STL	Putting a layer of painters	None of the above	Layer thickness	Part orientation	TRUE	
DM	SLM	SLM	None of the above	Nylon	JPG	all the above	Selective laser sintering	Part orientation	Layer thickness	FALSE	CILL IV - HINNING -
) Powder-based	SLM	SLM		PLA	X3G	Putting hair spray on it	None of the above	Using support material	Part orientation	TRUE	
) SLM	SLM	SLA	None of the above	Nylon	JPG	all the above	Selective laser sintering	Layer thickness	Part orientation	FALSE	
) SLA	SLM	SLS	Cartridge	PVC	X3G	Putting hair spray on it	Selective laser sintering	Using support material	All the above	FALSE	
MC	SLM	SLS	Spool	PVC	STL	Putting hair spray on it	None of the above	All the above	Layer thickness	FALSE	
) SLM	SLM	SLM	Spool	PLA	X3G	Putting hair spray on it	Separated light sintering	All the above	Layer thickness	TRUE	
DM	None of the above	SLA	Chain	PLA	X3G	all the above	Selective Irhographic solu	Part orientation	Part orientation	TRUE	
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SLA	FDM	SLS	Cartridge	PLA	X3G	Putting hair spray on it	None of the above	Layer thickness	Using support material	FALSE	
-DM	SLM	SLM	Spool	ABS	JPG	Putting a layer of painters	Separated light sintering	Laver thickness	Part orientation	FALSE	



SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

5 DAY ONLINE WORKSHOP ON RENEWABLE ENERGY: PATHWAYS AND TECHNOLOGIES

ASSESSMENT MARKS

S.NO	NAME	MARKS
1	ABDULLA K K	8
2	АВНІЈІТН К М	7
3	AKSHAY SURENDRAN P	6
4	ARJUN RAVEENDRAN K A P	4
5	ARUN C	2
6	MOHAMMED SAIF ABDUL RAUF	5
7	MUHAMMED P P	3
8	MUHAMMED RAIHAN	8
9	SALMAN SADIQUE	9
10	MOHAMMED SAIF ABDUL RAUF	7
11	MUHAMMED P P	2
12	SUFIYAN BIN ABDUL NASSAR	3

CO-ORDINATOR

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PAYYANUR, KANNUR

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MOCK TEST ON TOPIC "RENEWABLE ENERGY:PATHWAYS AND TECHNOLOGIES"

1.	Solar Chimney is an example of active solar energy or passive solar energy?
	Mark only one oval.
	A. Active solar energy
	B. Passive solar energy
2.	Which of the following is not an example of Active sola energy?
	Mark only one oval.
	A. Radiant floor
	B. Concentrated solar power
	C. Trombe wall

D. Photovoltaic system

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3.	The technique is a way of producing power from sunlight.	
	Mark only one oval.	
	A. Inverter B. Net metering C. Photovoltaic D. Array	
4.	The majority of charge carriers in an N-type semicond are	luc
	Mark only one oval.	
	A. Proton B. Electron C. Photons D. Neutrons	

5.	When applied to photovoltaic cells, refers to the modification of the cell's performance or characteristics applying an external voltage or electric field.	
		Mark only one oval.
		A. Biasing
		B. Depletion layer
		C. Barrier potential
		D. Electric potential
	6.	Solar radiation also known as radiation.
		Mark only one oval.
		A. Coenergy radiation
		B. Electric radiation
		C. Electromagnetic radiation
		D. Electromechanical radiation

7.	Which of the following occurs in the sun and is responsifor generating solar energy?	il
	Mark only one oval.	
	A. Nuclear fission	
	B. Nuclear Fusion	
	C. Both	
	D. None	
8.	Which of the following is the oldest design of a geothern power plant?	n
	Mark only one oval.	
	A. Flash steam power stations	
	B. Binary cycle power stations	
	C. Dry-steam power stations	

9.	are subsurface layers of porous rock, gravel, that hold water and enable groundwater to flow.	or sar
	Mark only one oval.	
	A. Aquifers	
	B. Unsolidated rocks	
	C. Aqueducts	
	D. Reservoir	
10.	The dominating winds that blow persistently over region are known as winds.	r a cert
	Mark only one oval.	
	A. Trade winds	
	B. Westerlies	
	C. Katabatic winds	
	D. Prevailing winds	

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ANSWER KEY-RENEWABLE ENERGY

- 1.B) Passive solar energy
- 2.C) Trombe wall
- 3. C) Photovoltaic
- 4. B) Electron
- 5. A) Biasing
- 6. A) Electromagnetic radiation
- 7. B) Nuclear Fusion
- 8. B)Dry-steam power stations
- 9. A) Aquifers
- 10. D) Prevailing winds

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CAN DE				DEPART	MENT OF MEC	HANICAL ENGIN	EERING				
No State of the Cologo of Englanding State Cologo		Which of the following is r	The technique is a v	The majority of charge ca	When applied to photovo	of Solar radiation also know	Which of the following	ock Which of the following is ti are subsurface is	yei The dominating winds that blow persister		
19/2/2021 13:50:11	B. Passive solar energy	C. Tromberwall	B. Net metering	B. Electron	C. Barrier potential	C. Electromagnetic radiati	A, Nuclear fission	B. Binary cycle power stal C. Aqueducts	A. Trade winds		
19/2/2021 13:50:12	B. Passive solar energy	C. Trombe wall	A. Inverter	A. Proton	C. Barrier potential	A. Coenergy radiation	B. Nuclear Fusion	A. Flash steam power stal C. Aqueducts	A. Trade winds		
19/2/2021 13:50:13	B. Passive solar energy	B. Concentrated solar pov	B. Net metering	C. Photons		C. Electromagnetic radiat	C. Both	B. Binary cycle power stal C. Aqueducts	A. Trade winds		
19/2/2021 13:50:14	A. Active solar energy	C. Tromberwall	B. Net metering	B. Electron	B. Depletion layer	C. Electromagnetic radiat	D. None	B. Binary cycle power staf C. Aqueducts	C. Katabatic winds		
19/2/2021 13:50:15	B. Passive solar energy	D. Photovoltaic system	C. Photovoltaic	D. Neutrons	B. Depletion layer	A. Coenergy radiation	C. Both	C. Dry-steam power static A. Aquifers	D. Prevailing winds		
19/2/2021 13:50:16	B. Passive solar energy	B. Concentrated solar pov	B. Net metering	D. Neutrons	C. Barrier potential	A. Coenergy radiation	A. Nuclear fission	C. Dry-steam power static C. Aqueducts	A. Trade winds		
19/2/2021 13:50:17	B. Passive solar energy	A. Radiant floor	A. Inverter	B. Electron	B. Depletion layer	D. Electromechanical radi	B. Nuclear Fusion	A. Aquifers	A. Trade winds		
19/2/2021 13:50:16	A. Active solar energy	C. Trombe wall	C. Photovoltaic	C. Photons	A. Biasing	C. Electromagnetic radiati	C. Both	C. Dry-steam power static C. Aqueducts	C. Katabatic winds		
19/2/2021 13:50:19	A. Active solar energy	C. Trombe wall	B. Net metering	C. Photons	C. Barrier potential	C. Electromagnetic radiat	A. Nuclear fission	C. Dry-steam power static C. Aqueducts	C. Katabatic winds		
19/2/2021 13:50:20	A. Active solar energy	D. Photovoltaic system	A. Inverter	A. Proton	C. Barrier potential	D. Electromechanical radii	D. None	A. Flash steam power sta C. Aqueducts	A. Trade winds		
19/2/2021 13:50:21	A. Active solar energy	B. Concentrated solar pov	A, Inverter	B. Electron	D, Electric potential	D. Electromechanical radi	A, Nuclear fission	B, Binary cycle power stat D, Reservoir	A. Trade winds		
19/2/2021 13:50:22	A. Active solar energy	C, Trombe wall	C. Photovoltais	D. Neutrons	C. Barrier potential	A. Coenergy radiation	B, Nuclear Fusion	C. Dry-steam power static D. Reservoir	D. Prevailing winds		

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PAYYANUR, KANNUR



SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING

5 DAY WORKSHOP ON LATEST TRENDS IN AUTOMOBILE ENGINEERING

ASSESMENT TEST MARKS

SL.NO	NAME	MARKS
1	ADWAITH J	9
2	ANWAR HUSSAIN	7
3	ABHISHEK M	5
4	ADARSH PP	4
5	AKSHAY KANDOTH	2
6	AMARNATH M	8
7	ASHAKH S	9
8	GOKUL RETHNAKARAN	7
9	NIHAL HEMANTH	8
10	PRAJIN PRABHAKARANT	9
11	PRASAD KK	8
12	RAHUL KRISHNAN KP	6
13	SHAROON MP	5
14	SIDDHARTH M	4

Name

COORDINATOR

Dr. LEENA A V
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PAYYANUR, KANNUR

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SREE NARAYANA GURU COLLEGE OF **ENGINEERING & TECHNOLOGY**

DEPARTMENT OF MECHANICAL ENGINEERING

MOCK TEST ON THE TOPIC "LATEST TRENDS IN AUTOMOBILE ENGINEERING"

- 1) What is an Automobile?
 - a) self-propelled vehicle
 - b) used for carrying passengers and goods on the ground
 - c) contains the power source for its propulsion
 - d) All of the mentioned
- 2) Which of the following is a classification of automobiles based on Load?
 - a) Heavy transport vehicle (HTV)
 - b) Sedan Hatchback car
 - c) Four wheeler vehicle
 - d) Front-wheel drive
- 3) What is the function of the alternator?
 - a) Recharging the Battery
 - b) Voltage Regulator
 - c) Auto-ignition
 - d) None of the above
- 4) Which of the following is found in an automobile's electrical system?
- a) Lighting systems b) Battery
- c) Alternators
- d) All of the mentioned
- 5) Which of the following type of load is supported by an automobile frame?
- a) Torque from engine and transmission
- b) Sudden impacts from collisions
- c) Weight of the body, passengers and cargo loads
- d) All of the mentioned

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6) Which of the following parameter is not necessary for the description of an automobile?	
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b) Type	
c) Capacity	
d) Colour	
7) What is an IC Engine? a) the fuel is ignited and burned inside the engine b) the fuel is burned inside a combustion chamber c) the fuel is ignited inside a combustion chamber d) None of the above	
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ANSWERS

- 1) d) All of the mentioned
- 2) a) Heavy transport vehicle (HTV)
- 3) a) Recharging the Battery
- 4) d) All of the mentioned
- 5) d) All of the mentioned
- 6) d) Colour
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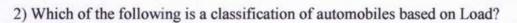


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Prasad K. K.



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Dr. LEENA A V ENGINEERING & TECHNOLOGY PAYYANUR, KANNUR

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DEPARTMENT OF MECHANICAL ENGINEERING

5 DAY WORKSHOP ON MASTERCAM: CNC PROGRAMMING

ASSESMENT TEST MARKS

S.NO	NAME	MARKS
1	AJIL ASOKAN	7
2	AKASH P	6
3	AMAL G	5
4	AMAL RAJ	4
5	MUBASHIR. V.K	8
6	MUHAMMAD SIRAJUDHEEN	4
7	MUHAMMED MUHSIN M	2
8	NASIF K P	3
9	RAMITH RAVINDRAN	7
10	SALMANUL FARIS	8
11	SANJAY KRISHNAN	9
12	SAURAVB	7
13	VISHNU RAJAN E	8
14	VYSHNAVMK	5
15	ZAMNAAD KUNHAHAMED	2

Mar

COORDINATOR

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DEPARTMENT OF MECHANICAL ENGINEERING

MOCK TEST ON THE TOPIC "MASTER CAM"

- 1. Where are Quick Masks located in the Mastercam UI?
- a. Left side of the graphics window
- b. Right side of the graphics window
- c. View tab
- d. Top of the graphics window
- 2. Which mouse button allows you to free orbit in the Mastercam UI?
- a. Right mouse button
- b. Middle mouse button
- c. Left mouse button
- 3. View sheets can contain display and orientation information of a model
- a. True
- b. False
- 4. Chain, Polygon and Area are various ways to do what?
- a. Change face colours
- b. Select geometry
- c. They don't apply to the same topic
- d. Create tool paths
- 5. The status bar only lets you view the current X, Y and Z coordinates of the cursor
- a. True
- b. False
- 6. Which "Manager" contains information about your various toolpaths?
- a. Levels
- b. Toolpath
- c. Recent Functions
- d. Plane
- 7. Which Tab allows you to turn on and off various "Managers"?

- a. View
- b. Home
- c. Machine
- d. Display
- 8. Where are Viewsheet located in the Mastercam?
- a. Left side of the graphics window
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- d. Bottom Side of the graphics window
- 9.Latest version of Mastercam?
- a.2019
- b.2020
- c.2121
- d.2021
- 10. What is full form of WCS?
- a. Windows Color System
- b. World Coordinate System
- c. Wireless Control System
- d. Worst Case Scenario

ANSWER KEY

1.A

2.C

3.B

4.D

5.A

6.C

7.D

9.A

10.B





DEPARTMENT OF MECHANICAL ENGINEERING

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