

(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Childambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR).

Department of Mechatronics Engineering

(Accredited by NBA, New Delhi)

Value Added Course

on

Internet of Things

12.02.2024 to 16.02.2024 (5 days)

VAC Coordinator

HoD/MTRE



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR).

Department of Mechatronics Engineering

S.No.	Content checklist	Document
1	Academic Year	2023-24 Even
2	Regulation	KCET R2021
3	Department Name	Mechatronics Engineering
4	Name of the Value-added course	Internet of Things
5	No. of Credits	2
6	Category:	Hands-on &Skill based
	Theory/Lab/Hands-on/Skill based etc	
7	Name and Details of the	Quantanics Techserve Pvt Ltd, Madurai.
	Joint-organization	
	(industry/NGO etc) if any	
8	Resource person details	A.Kesavan, Direstor, Quantanics
		Techserve Pvt Ltd, Madurai.
9	Three Member Committee	Dr.K.Kannan HoD/MTRE,
	details	A.Arulkumar & S.Wesley Moses
		Samdoss AP/MTRE
10	VAC Coordinator Details	A.Arulkumar, AP/MTRE
11	Duration (30 h mandatory)	35 hours
12	Period (From-To)	12.02.2024 to 16.02.2024
13	Venue	CAD Lab/Mechatronics

VAC Coordinator

HoD/MTRE

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Dean (Academic Courses)

NSIBA

COLLEGE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institution - Affiliated to Anna University, Chennal)
8.RG. Chidambara Nadar - C. Nagammai Campus

8.1		nbara Nadar - C. Nagar Illakulam - 625 701 (Ne			
		APPROVAL BOOK			
Book No. SL.No. 12		MTRE		Date 83 01 8	10.2.h.
Requesting Pe	hwittin a	nd approval	to Conduct	value ha	lded
anne on "	internet a	things." Ju	rour IT y	eax Mech	etronia
Engineering S	rudents. H	on C12-02-81	024) to 18-0	2-2084.	
Ruse	es 1000 Pe	er ParticiPent	+ GIST 18%		
기 - 일본 1일		Perhead = Rs			
		ST 18% =			
			34,280/		
		8 College but	s facility s	tor one b	aine
Jrom Buanto	uniy Tea	son Priltd. 1	Madway.		
Signature of Staff 2024.		de HOD	ol(94 F	PRINCIPAL 29	1/2
		OFFICE USE	^		
 Account Head Budget allotted 	:	Value a	doled Country to Wordian to Colleged ear Rate R	ipe (
3) Amount committed / S_I4) Balance available	ent sofar :	Larry	en Rate R	1,9671	/

Secretary

Administrative Officer



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI) S.P.G.Chidambara Nadar - C.Nagammai Campus S.P.G.C. Nagar, K.Vellakulam — 625 701 (Near VIRUDHUNAGAR).

Value Added Course on "Internet of Things" Mark Statement

Department : Mechatronics Engineering

Regulation: KCET R2021

Tear	: II	Semester : I'
		Definester , I

Year	: П	-		Semester : IV				
S.No.	Roll No.	Reg. No.	Student Name	Internal Marks (40)	Marks (60)	Total (100)		
1	22UMT001	920422115019	SASHWANTH.S	35	50	85		
2	22UMT002	920422115004	BIBAKS NOBAL.A.P	33	46	79		
3	22UMT003	920422115008	ISAC STEPHEN.V	34	48	82		
4	22UMT004	920422115023	TRISHNA.K	35	50	85		
5	22UMT005	920422115009	JOTHEESWARAN.A	32	42	74		
6	22UMT006	920422115012	MATHIYA VEDHA NIRANJAN.R	34	48	82		
7	22UMT007	920422115021	SRIRAM.A	30	28	58		
8	22UMT008	920422115007	HARIRAJAN.K	35	50	85		
9	22UMT009	920422115005	GUHANESHVAR.S	35	50	85		
10	22UMT010	920422115013	MUTHU JEYA SUNDAR.S	35	50	85		
11	22UMT011	920422115018	SAHAYA SANTHOSH RAJ.S	34	48	82		
12	22UMT012	920422115016	RAGAVARSHINI.S	36	50	86		
13	22UMT013	920422115010	LOGA ANJANA.P	36	48	84		
14	22UMT014	920422115015	PRIYADHARSHAN.S	36	48	84		
15	22UMT015	920422115011	MADHAN KUMAR R	35	46	81		
16	22UMT016	920422115020	SHIVA.R	34	44	78		
17	22UMT017	920422115024	VIJAI.R	35	46	81		
18	22UMT018	920422115002	ARUNATH.A	35	48	83		
19	22UMT019	920422115006	HARI KRISHNAN.B	36	50	86		
20	22UMT020	920422115022	SRIRAM NARA YANAN.K	33	48	81		
21	22UMT021	920422115001	ABINESH.S	32	48	80		
22	22UMT022	920422115017	RATHIKASHREE.B	37	50	87		
23	22UMT023	920422115003	BALAJI.C	36	48	84		
24	22UMT024	920422115014	PARTHIBAN.M	35	48	83		
25	22UMT025	920422115304	SANJAY KUMAR.M	35	48	83		
26	22UMT026	920422115305	YOGACHARAN.B	32	36	68		
27	22UMT027	920422115302	MUTHUMANICKAM.K	32	30	62		
28	22UMT028	920422115301	GOKUL.S	35	50	85		
29	22UMT029	920422115303	SANGARESHWARAN.B	34	46	80		

VAC Coordinator

Dean (Academic Courses)

(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR).

DEPARTMENT OF MECHATRONICS ENGINEERING

16.02.2024

Value Added Course on "Internet of Things"

Project Demonstration marks

S.	Roll	Name	(1) Company Control of the contract of the second	7.43			
No.	Number		Presentatio n (10)	Knowledge Acquired (10)	Creativity (10)	Viva & Result (10)	Total (40)
1	22UMT001	SASHWANTH.S	8.	9.00	9.	9	35
2	22UMT002	BIBAKS NOBAL.A.P	9	9	8	7.	33
3	22UMT003	ISAC STEPHEN.V	9	9 8	8	8	34
4	22UMT004	TRISHNA.K	9	л 9/11/21/21	8	9.	35
5	22UMT005	JOTHEESWARAN.A	8	8	8	8	32
6	22UMT006	MATHIYA VEDHA NIRANJAN.R	8	9	8	9.	34
7	22UMT007	SRIRAM.A	8	7	8	7	30
8	22UMT008	HARIRAJAN.K	. 9	9	9	8	35
9	22UMT009	GUHANESHVAR.S	9	9	8	9	35
10	22UMT010	MUTHU JEYA SUNDAR.S	9	9	8	9	35
11	22UMT011	SAHAYA SANTHOSH RAJ.S	8	9	જ	9	34
12	22UMT012	RAGAVARSHINI.S	9	9	صا	9.	36
13	22UMT013	LOGA ANJANA.P	٩	9	9	٦.	36
14	22UMT014	PRIYADHARSHAN.S	8	9	9	10.	36
15	22UMT015	MADHAN KUMAR.R	9	3	9.	8	35

16	22UMT016	SHIVA.R	8	9	8	9	34
17	22UMT017	VIJAI.R	9	9	9	8	35
18	22UMT018	ARUNATH.A	9	8	9	9	35
19	22UMT019	HARI KRISHNAN.B	9	9		9	36
20	22UMT020	SRIRAM NARAYANAN.K	9	8	8	8	33
21	22UMT021	ABINESH.S	8	8	8	8	32
22	22UMT022	RATHIKASHREE.B	9	lo	9	9	37
23	22UMT023	BALAJI.C	ning in	on 9 q	9	9	36
24	22UMT024	PARTHIBAN.M	9	8	9	9	35
25	22UMT025	SANJAY KUMAR.M	9	8	9	7	35
26	22UMT026	YOGACHARAN.B	8	8	8	8	32
27	22UMT027	MUTHUMANICKAM.K	8	8	8	8	32
28	22UMT028	GOKUL.S	8	2. Alfaer	9	220, 104	35
29	22UMT029	SANGARESHWARAN.B	8	9	8	9	34

7. Grenasas

Trainer

VAC Coordinator

HoD/MTRE

DEPARTMENT OF MECHATRONICS ENGINEERING

16.02.2024

Value Added Course on "Internet of Things"

Project Demonstration marks

S.	Roll	Name		Project Demo	onstration		
No.	Number		Presentation	Knowledge	Creativity	Viva &	Total (40)
1	22UMT001	SASHWANTH.S	(10)	Acquired (10)	(10)	Result (10)	35
2	22UMT002	BIBAKS NOBAL.A.P	9	9	8	7	33
3	22UMT003	ISAC STEPHEN.V	9	9	8	8	
4	22UMT004	TRISHNA.K	9	9	8	9	34
5	22UMT005	JOTHEESWARAN.A	8	8	8	8	35
6	22UMT006	MATHIYA VEDHA NIRANJAN.R	8	9	8	9	
7	22UMT007	SRIRAM.A	8	7	8	7	34. 30
8	22UMT008	HARIRAJAN.K	9	a	9	8	35.
9	22UMT009	GUHANESHVAR.S	9	9	8	9	35
10	22UMT010	MUTHU JEYA SUNDAR.S	9	9	8	9	35.
11	22UMT011	SAHAYA SANTHOSH RAJ.S	8	9	8	9	34.
12	22UMT012	RAGAVARSHINI.S	9	9	٩	9	36
13	22UMT013	LOGA ANJANA.P	9	9	9	9	36
14	22UMT014	PRIYADHARSHAN.S	8	9	9	W	36
15	22UMT015	MADHAN KUMAR.R	9	٩	9	8	35
16	22UMT016	SHIVA.R	8	9	8	9	34,
17	22UMT017	VIJAI.R	9	3	9	8	35'

18	22UMT018	ARUNATH.A	9	8	٩	9	35
19	22UMT019	HARI KRISHNAN.B	9	9	9	q	36
20	22UMT020	SRIRAM NARAYANAN.K	9	8	8	8	33
21	22UMT021	ABINESH.S	8	8	8	8	
22	22UMT022	RATHIKASHREE.B	a	10	9	9	32
23	22UMT023	BALAJI.C	9	9		9	37
24	22UMT024	PARTHIBAN.M	a		9		36
25	22UMT025	SANJAY KUMAR.M	9	8	9	9	35
26	22UMT026	YOGACHARAN.B	8	8	8	0	35
27	22UMT027	MUTHUMANICKAM.K	8	8	8	8	32
28	22UMT028	GOKUL.S	8	9	G	9	35.
29	22UMT029	SANGARESHWARAN.B	8	9	8	9	34

A. Genavan

Trainer.

A. Kesevan,

Quantanics Telhsenie

PV+·LH.

Madurai.



	S.P.G.C. Nagar, K.Ve Value Adde	Course on "In	625 701 (ternet of Thir	Near VIRUE 1gs" External Asso	HUNAGAR).	
Timestamp	Email Address	Score Out of 30		Register Number	Name	Score Out of 60
2-16-2024 14:38:28	22umt001@kamarajengg.edu.in	25 / 30	22umt001	920422115019	Sashwanth S	50
2-16-2024 14:51:10	22umt002@kamarajengg.edu.in	23 / 30	22umt002	920422115004	A.P. Bibaks Nobal	46
2-16-2024 14:37:41	22umt003@kamarajengg.edu.in	24/30	22umt003	920422115008	V. ISACSTEPHEN	48
2-16-2024 14:29:52	22umt004@kamarajengg.edu.in	25 / 30	22UMT004	920422115023	TRISHNA K	50
2-16-2024 14:43:42	22umt005@kamarajengg.edu.in	21/30	22umt005	920422115009	A. Jotheeswaran	42
2-16-2024 14:51:39	22umt006@kamarajengg.edu.in	24/30	22umt006	920422115012	mathiya vedha niranjan R	48
2-16-2024 14:49:59	22umt007@kamaraj.engg.edu.in	14/30	22umt007	920422115021		
	22umt008@kamarajengg.edu.in	25 / 30	22umt008	920422115007	sri ram a	28
	22umt009@kanıarajengg.edu.in	25/30	22UMT009		Harirajan K	50
	22umt010@kamarajengg.edu.in	25 / 30	22umt010	920422115005	S GUHANESHVAR	50
	22umt011@kamarajengg.edu.iin	24/30	22unt011	920422115013	S.Muthu Jeya Sundar	50
	22umt012@kamarajengg.edu.in	25 / 30	22UMT012	920422115018	Sahaya Sauthosh Raj.S	48
	22unit013@kamarajengg.edu.in	24/30	22UMT013	920422115016	S. RAGA VARSHINI	50
	22umt014@kamarajengg.edu.in	24/30		920422115010	Loga Anjana.P	48
	22umt015@kamarajengg.edu.in	23 / 30	22umt014	920422115015	Priyadharshan.s	48
	22umt016@kamarajengg.edu.in		22umt015	920422115011	R.MADHAN KUMAR	46
	22umt017@kamarajengg.edu.in	22 / 30	22unt016	920422115020	Shiva R	44
	22umt018@kamarajengg.edu.in	23 / 30	22umt017		R.vijai	46
	22umt019@kamarajengg.edu.in	24 / 30	22umt018	920422115002	ARUNATH A	48
	22umt019/2kamarajengg.edu.in	25 / 30	22umt019	CONTRACTOR NOT THE PROPERTY OF THE PARTY OF	Hari Krishnan.B	50
	22umt020/2/kamarajengg.edu.in	24/30	22umt020	920422115022	K.Sriram Narayanan	48
		24 / 30	22umt021	920422115001	S.ABINESH	48
	22unt022@kamarajengg.edu.in	25 / 30	22umt022	920422115017	RATHIKA SHREE.B	50
	22umt023@kamarajengg.edu.in	24 / 30	22UMT023	920422115003	BALAJI C	48
	22umt024@kamarajengg.edu.in	24 / 30	22umt024	920422115014	PARTHIBAN.M	48
	22umt025@kamarajengg.edu.in	24/30	22umt025	920422115304	SANJAY KUMAR M	48
	22umt026@kamarajengg.edu.in	18/30	22umt026	920422115305	YOGACHARAN.B	36
	22umt027@kamarajengg.edu.in	15 / 30	22umt027	920422115302	MUTHUMANICKAM.K	30
	22umt028@kamarajengg.edu.in	25 / 30	22umt028	920422115301	Gokul S	50
2-16-2024 14:39:16 2	2umt029@kamarajengg.edu.in	23 / 30	22umt029	920422115303	B.Sangareshwaran	46
C Coordinator				1	A . &	2

(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G.Childembara Nadar - C.Nagammal Campus
S.P.G.C. Nagar, K.Vallakulam - 626 701 (Near VIRUDHUNAGAR).

Timestamp	Email Address	Score Out of 30	Roll No	Register Number	Name	Score Out of 60
2-16-2024 14:38:28	22umt001@kamarajengg.edu.in	25 / 30	22umt001	920422115019	Sashwanth S	50
2-16-2024 14:51:10	22umt002@kamarajengg.edu.in	23 / 30	22umt002	920422115004	A.P. Bibaks Nobal	46
2-16-2024 14:37:41	22umt003@kamarajengg.edu.in	24 / 30	22umt003	920422115008	V. ISACSTEPHEN	48
2-16-2024 14:29:52	22umt004@kamarajengg.edu.in	25 / 30	22UMT004	920422115023	TRISHNA K	50
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2-16-2024 14:51:39	22umt006@kamarajengg.edu.in	24 / 30	22umt006	920422115012	mathiya vedha niranjan R	48
2-16-2024 14:49:59	22umt007@kamaraj.engg.edu.in	14/30	22umt007	920422115021	sri ram a	28
THE THE STORY OF THE PARTY OF T	22umt008@kamarajengg.edu.in	25 / 30	22umt008	920422115007	Harirajan.K	50
2-16-2024 14:30:50	22umt009@kamarajengg.edu.in	25 / 30	22UMT009	920422115005	S GUHANESHVAR	50
2-16-2024 14:28:49	22umt010@kamarajengg.edu.in	25 / 30	22umt010	920422115013	S.Muthu Jeya Sundar	50
2-16-2024 14:35:54	22umt011@kamarajengg.edu.iin	24 / 30	22umt011	920422115018	Sahaya Santhosh Raj.S	48
2-16-2024 14:51:25	22umt012@kamarajengg.edu.in	25 / 30	22UMT012	920422115016	S. RAGA VARSHINI	50
2-16-2024 14:51:35	22umt013@kamarajengg.edu.in	24 / 30	22UMT013	920422115010	Loga Anjana.P	48
2-16-2024 14:38:13	22umt014@kamarajengg.edu.in	24 / 30	22umt014	920422115015	Priyadharshan.s	48
2-16-2024 14:38:01	22umt015@kamarajengg.edu.in	23 / 30	22umt015	920422115011	R.MADHAN KUMAR	46
2-16-2024 14:48:44	22umt016@kamarajengg.edu.in	22 / 30	22umt016	920422115020	Shiva R	44
2-16-2024 14:43:20	22umt017@kamarajengg.edu.in	23 / 30	22umt017	920422115024	R.vijai	46
2-16-2024 14:43:23	22umt018@kamarajengg.edu.in	24 / 30	22umt018	920422115002	ARUNATH A	48
2-16-2024 14:26:54	22umt019@kamarajengg.edu.in	25 / 30	22umt019	920422115006	Hari Krishnan.B	50
2-16-2024 14:49:41	22umt020@kamarajengg.edu.in	24 / 30	22umt020	920422115022	K. Sriram Narayanan	48
2-16-2024 14:29:21	22umt021@kamarajengg.edu.in	24 / 30	22umt021	920422115001	S.ABINESH	48
2-16-2024 14:52:32	22umt022@kamarajengg.edu.in	25 / 30	22umt022	920422115017	RATHIKA SHREE.B	50
2-16-2024 14:36:11	22umt023@kamarajengg.edu.in	24 / 30	22UMT023	920422115003	BALAJI C	48
2-16-2024 14:38:50	22umt024@kamarajengg.edu.in	24 / 30	22umt024	920422115014	PARTHIBAN.M	48
2-16-2024 14:37:32	22umt025@kamarajengg edu.in	24 / 30	22umt025	920422115304	SANJAY KUMAR M	48
2-16-2024 14:39:56	22umt026@kamarajengg.edu.in	18 / 30	22umt026	920422115305	YOGACHARAN.B	36
2-16-2024 14:42:27	22umt027@kamarajengg.edu.in	15 / 30	22umt027	920422115302	MUTHUMANICKAM.K	30
2-16-2024 14:48:51	22umt028@kamarajengg.edu.in	25 / 30	22umt028	920422115301	Gokul S	50
2-16-2024 14:39:16	22umt029@kamarajengg.edu.in	23 / 30	22umt029	920422115303	B. Sangareshwaran	46

VAC Coordinator

HoD/MTRE



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S.P.G.Chidambara Nadar - C.Nagammal Campus S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR).

DEPARTMENT OF MECHATRONICS ENGINEERING

(Accredited by NBA, New Delhi)

II Year Students Value Added Couse on IoT Attendance Sheet

S.No	Roll.No	Name	12.02	.2024	13.02	.2024	14.02	14.02.2024	
			FN ,	AN	FN	· AN	FN	AN	
1	22UMT001	SASHWANTH.S	Stoffwall	Seeshaut	Stefliet	Seshurth	Issel huerthe	Sashwant L	
2	22UMT002	BIBAKS NOBAL.A.P	Ribota Nobel	Shows Nobal	Silma Nebas	Behole Non	Rinks Noba 1	Books Varal	
3	22UMT003	ISAC STEPHEN, V	Stophon	Stophon	Stophon	Stephen	Stophin	Stoplan	
4	22UMT004	TRISHNA.K	Triesma K.	Teighna-K.	Trickna- K.	Trustma K	Tuishma K	Jughna-K	
5	22UMT005	JOTHEESWARAN.A	A. Tolhegurann	1 - Totheywarran	1	ALE	Ahat	that	
6	22UMT006	MATHIYA VEDHA NIRANJAN.R	R. Nivayan	R. Nivarjas		2 Nivara	R. Nivaya		
7	22UMT007	SRIRAM.A	-A. Sin Zowa	A Lui Roma	A Soi Para	A Soylan	A to jean!	A logi Em	
8	22UMT008	HARIRAJAN.K	Flan Roja. K	Flai Raja. K.	Flarily a. C.	Flow Resia.	Flori Roja.	Han Rajo	
9	22UMT009	GUHANESHVAR.S	S. Curhaneshra	S. Cuhaneshve			S. Culrent	S. Curlien	
10	22UMT010	MUTHU JEYA SUNDAR.S	5. Mulling	5. Mulha	5 Mets	S. Muth	5- Muthy	S. Huthn	
11	22UMT011	SAHAYA SANTHOSH RAJ.S	(Om	Om	Som	(8 dust	- American	- A Dr	
12	22UMT012	RAGAVARSHINI.S	S. Raga Varhi	S. Ragi Varri	S. Rage Vargin	5. Raga Varoli	5. RogVirli	SRagulasii	
13	22UMT013	LOGA ANJANA.P	2019	Zoga	Logg.	Loga	LOUP	11990	
14	22UMT014	PRIYADHARSHAN.S	8.h.	85-1	de di	2 18	Be &	of late	
15	22UMT01:	MADHAN KUMAR.R	(0,2	Clayas	(Om in)	(Ox 20)	000	1 3,200	
16	22UMT01	SHIVA.R	RSHIVO	Ranin	Rahive	P. Shista	D. Shi a	DRIVER	
17	22UMT01	7 VIJAI.R	R. Vijais	R. vijai	R.vijai 0.	R. Vigai	R.VI)ai	P. Vijai	
18	22UMT01	8 ARUNATH.A	M	15 AU	B	MAY V	At the	4-10	
19	22UMT01	9 HARI KRISHNAN.B	XDA.	· Sulley.	X.DI	XR4	Table 1	2 Col	
20	22UMT02	0 SRIRAM NARAYANAN.K	12. Sulan	K-Sylan	K-Sell dan	K. Sours	11.C.17)an	Kanz	

C N	D.II N	News	12.02	2.2024	13.02	2.2024	14.02	2.2024
S.No	Roll.No	Name	FN	AN	FN	AN	FN	() AN
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VAC Cooxdinator.

HOD/MIRE

A. Keravan.



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DEPARTMENT OF MECHATRONICS ENGINEERING

(Accredited by NBA, New Delhi)

II Year Students Value Added Couse on IoT Attendance Sheet

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VAC Cooxdinator.

HOD/MIRE.

VAC Trainer.



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DEPARTMENT OF MECHATRONICS ENGINEERING

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KAMARAJ / MTRE /VAC/2023-2024

08-02-2024

CIRCULAR

The Department of Mechatronics Engineering is organizing the Value Added Course on "Internet of Things". The details of the programme are as follows:

Date

: 12-02-2024 to 16-02-2024

Time

: 9.10 a.m to 4.00 p.m

Venue

: MTRE- CAD Lab

Name of the

Resource Person

; Mr. A. Kesavan,

Chief Executive officer, Ouantanics Techsery Pvt Ltd

Madurai.

Topic

: Value Added Course on "Internet of Things"

Relevance to PO

: PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12

Relevance to PSO

: PSO1, PSO2.

Event Outcome

: This program given the on exposure to the students to develop IoT specific

skillsets. The students will be trained on skillsets to acquire data from relevant sensors and interface to

Arduino Controller, connecting the data to IoT servers.

Coordinator

HoD/MTRE

Cc to file

- 1. IQAC/Administrative office
- 2. Department Main Notice Board.
- 3. To be Read in II MTRE Class Rooms.
- 4. To be circulated to II Year MTRE through their office mail.
- 5. Department Circular File.



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DEPARTMENT OF MECHATRONICS ENGINEERING

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Value Added Course on "Internet of Things" - External Assessment Test

Date

: 14-02-2024

Academic Year

: 2023-2024 (Even Semester)

Year & Department

: II & Mechatronics Engineering

Venue

: MTRE -CAD Lab

Hall Invigilator

: A.ARULKUMAR, AP/MTRE

SCHEDULE

Date	Session	Dur	Duration		
Ditte	Session	From	To	Register Number	Number of Students
16-02-2024	AN	1:30 PM	3:30 PM	920422115001- 920422115024, 920422115301- 920422115305	29

VAC Co-Ordinator

HOD/MTRE

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DEPARTMENT OF MECHATRONICS ENGINEERING

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Report on "Value Added Course on Internet of Things"

19.02.2024

Department of Mechatronics Engineering, Kamaraj College of Engineering & Technology organized Value added course on "Internet of Things" for II year Mechatronics Engineering students from 12.02.2024 to 16.02.2024. Er.A.Kesavan from Quantanics Techserve Pvt.Ltd, Madurai, handled the sessions and trained our students during the entire program. The main purpose of this event is to equip our budding Mechatronics engineers with the knowledge of Internet of Things through hands on sessions and make them industry ready. The program began with a formal welcome address by Dr.K.Kannan HoD/MTRE. The Trainer provided hands on training on Arduino Programming in Tinker Cad software and integrate them to create custom applications.

Topics Covered

- 1. IoT Introduction
- 2. Sensors and Types of Arduino Controller
- 3. IoT Protocols and Applications
- 4. Arduino IoT Cloud

At the end of the course, students presented their project and an assessment test was conducted to evaluate the performance of the individuals. A total of 29 students attended the program and get benefitted. The valedictory function held with a feedback session, Felicitation by our Secretary, Principal followed by a formal vote of thanks.

VAC Co-Ordinator

HoD/MTRE



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DEPARTMENT OF MECHATRONICS ENGINEERING (Accredited by NBA, New Delhi)

Value Added Course on "Internet of Things"

(for II year Mechatronics Engineering Students)

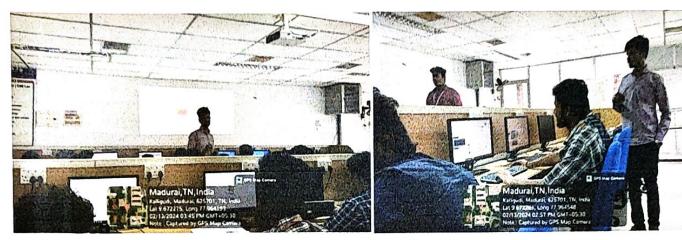
IoT Introduction



Sensors and Types of Arduino Controller



IoT Protocols and Applications



Arduino IoT Cloud & Project Demonstration





Valedictory Function





VAC Coordinator

HoD/MTRE



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Department of Mechatronics Engineering

Seventh BoS Meeting Minutes

Date

: 30-09-2023

Time

: 2.00 P.M - 4.00P.M

Venue

: SMC Lab

Link (hybrid mode)

: https://tinyurl.com/MTRE-Bos-meeting

S.No	Name of the Expert	Designation	Capacity	Signature	
		Professor & Head, Department of Mechanical Engineering, Government College of Engineering College, Tirunelveli - 627007. Anna Universit Nominee		S. S	
2			Academic Council Nominee	@2L	
3	Dr. M. Suresh	Associate Professor, Department of Robotics and Automation Engineering, PSG College of Technology, Coimbatore – 641004.	Academic Council Nominee	may-	
4		Director, Meta Heuristic Corporate India Pvt. Ltd., ISRO Layout, Bangalore – 560078.	Industrial Expert	Mentry !	
5		Senior Engineer & Team Lead Automotive Domain, TATA ELXSI, Tiruvanathapuram – 695581	Alumni	P.P.	

The following members were present:

Internal faculty Members of BoS				
S.No	Name of the Faculty	Designation	Signature	
1.	Dr. K. Kannan, M.E., Ph.D.,	Professor & Head	k.k ==	
2.	Dr. M.Sudalaimani, M.E., Ph.D.,	Associate Professor	162	
3.	Dr. S.Rajesh Babu M.E., Ph.D.,	Assistant Professor	S.P.	
4.	Dr. P. Bala Sundar, M.E, Ph.D.,	Assistant Professor	PROLES 3	
5.	Mr. A. Arul Kumar, M.E, (Ph.D.,)	Assistant Professor	1.1	
6.	Mr. S. Wesley Moses Samdoss, M.E.,(Ph.D.,)	Assistant Professor	S	
7.	Mr. A. Ganesan, M.E.,	Assistant Professor	A. Ces	

007.01.00: Welcome address by HoD

- > Welcome address
- > Dr. K. Kannan, Professor & HoD/MTRE gave welcome address to all the members of the Board of Studies.

007.02.00: Approval of 6th BoS Meeting Minutes & Action taken

Item No.	Suggestions of BoS Members in 6 th BoS Meeting	Action Taken
006.04.01	BoS Members gave valuable suggestions in	The Suggestions given by BoS
	the Proposed R2021 Curriculum - V and	Members were incorporated in the
	VI Semester and Syllabi for Verticals and	R2021 - Curriculum - V and VI
	Minor.	Semester syllabus for Verticals and
		minor as per their
		recommendations.
006.05.02	Members suggested that the students who	As per the members suggestions
	have failed should be given another chance	NPTEL NPTEL-failed students
	to repeat the same NPTEL course again.	were given another chance to
		repeat the same NPTEL course
		again.
006.05.03	BoS members advised the three-member	As per the members suggestions
	committee to choose the value-added	Value added course on Advanced
	courses as per current trends and skills	Industrial Automation was offered

	requirement for core industries.	to the students to meet the core industries requirement.
006.06.05	Members enquired about the evaluation	Dr. K. Kannan briefed the
	process of student internship/ Inplant	evaluation process of the Internship
	training.	and credit transfer to the members.

- > All the members appreciated our efforts taken towards implementing the suggestions given by the members.
- > All the members jointly approved the Minutes of the Sixth Board of Studies meeting.

007.03.00: Discussion and approval of

007.03.01: Proposed Curriculum and Syllabi for VII and VIII Semester

VII Semester

Name of the Course	Suggestions from BoS members	
DESIGN OF MECHATRONICS SYSTEM	Mr. P. Rilwan Fayas, ALUMNI Nominee suggested including concepts such as industrial standard protocols like Modbus/Ethernet in Unit IV Real-time interfacing.	
	Dr. M. Suresh, Academic Council Nominee suggested including the topic bond graph technique in Unit-I.	
	The subject expert accepted it and assured will included in the syllabus.	
COMPUTER-AIDED DESIGN AND MANUFACTURING LABORATORY	All the members of the board accepted the syllabus without any modification.	

VIII Semester

Name of the Course	Suggestions from BoS members
PROJECT WORK/INTERNSHIP	All the members of the board accepted the syllabus without any modification and appreciated publishing their main project in national/international level conferences.

007.03.02: Management Courses - TQM & PoM (MECH & MTRE)

Name of the Course	Common to	Suggestions from BoS members
PRINCIPLES OF MANAGEMENT	All Branches	All the members of the board accepted the syllabus without any modification but suggested including recent edition of textbooks and reference books.
TOTAL QUALITY MANAGEMENT	All branches	All the members of the board accepted the syllabus without any modification. Dr. R. Kesavamoorthy, an Industrial Expert suggested teaching unit V ISO standards by industrial experts by arranging special guest lectures for better effectiveness.

007.03.03: List of Open Elective 1,2,3 & 4 courses offered

Name of the Course	Offered to	Suggestions from BoS members
FOUNDATION OF ROBOTICS	CSE,ECE,IT & ADS	Dr. M. Suresh, Academic Council Nominee appreciated the activities planned and suggested including 2 -DOF in Unit-I.
INTRODUCTION TO PLC PROGRAMMING	EEE,BT, MECH, CIVIL &CSE	Mr. P. Rilwan Fayas, ALUMNI Nominee suggested choosing the industry standard PLC like Siemens PLC for Case studies.
LOW COST AUTOMATION	CSE,ECE, IT,EEE, BT,MECH, CIVIL &ADS	 Mr. P. Rilwan Fayas, ALUMNI Nominee suggested removing programming of PLC and asked to include the ARM Processor or Arduino controller for further competencies to the students. Dr. M. Suresh, Academic Council Nominee suggested removing the topics mapping methods – step counter method - compound circuit design -combination circuit design from Unit II. Asked to reframe Unit I and Unit V by considering the contact hours. The subject expert accepted it.
SENSORS AND ACTUATORS	CSE, ECE, IT,EEE, BT,MECH, CIVIL,ADS	Members suggested removing thyristors from in Unit-IV due to redundancy.

007.03.04: List of NPTEL Courses (equivalence) offered for the students those who are opting for Honours / Minor degree/alternative to professional elective courses

> Dr.K.Kannan, Listed the NPTEL Course Name corresponding to its equivalent Professional elective course.

NPTEL COURSE	Equivalent Professional elective course
Wheeled Mobile Robots	Autonomous Mobile Robots
Embedded Systems Design	Embedded System Design

> The members appreciated the efforts taken by the NPTEL local chapter Coordinator and department NPTEL Coordinator.

007.03.05: Human Values and Ethics Courses

> Dr. M. Suresh, Academic Council Nominee suggested this course's entire syllabus is as per the student induction programme. Since we are offering this in the SIP program,he suggested to offer Engineering Ethics Semester VII.

007.04.00: ITEMS FOR RATIFICATION

007.04.01: Changes or Corrections in the existing Curriculum of R2020 and R2021

Existing	Corrections required and specify the reasons
Computer Aided Design and Manufacturing Laboratory and R2021	This course is moved from the VI semester to the VII Semester since the course mini project is moved from the VII to VI semester.
Mini project and R2021	This course needs to be offered in advance i.e. in the VI Semester for giving project exposure to the students before the placement drives.
Credit Adjustment	Nil

007.04.02: NPTEL Examination results (students performance) and action taken for the students who did not receive the certificates

▶ Dr. K. Kannan presented the NPTEL Courses enrolled by the students. Out of 16 students NPTEL course on E-Business 15 were passed and one student get failed this course. Members suggested that the students who have failed should be given another chance to repeat the same NPTEL course again.

007.04.03: Curriculum feedback and action taken if any

Dr. K. Kannan presented the curriculum feedback summary collected from various stakeholders which was accepted by all the BoS members.

007,04.04: Value Added Courses offered - ratification if any

- ➤ In BoS 06.05.03 the BoS members advised the three members committee to choose the value-added courses as per current trends and skills requirements for core industries. As per that the three-member committee chose and offered VAC on Advanced Industrial Automation for third-year students. The BoS members accepted it without any concern.
- The members discussed about Value Added Course to be offered in the future.

 The members suggested the three-member committee to offer value-added courses in the recent trends of mechatronics domains such as drones or the automotive domain, as this could fetch them job opportunities.

007.05.00: Information about the (Points Discussed in the following)

Item No.	Description	Suggestions / Comments from the BoS Members
007.05.01	Number of students doing Honours / Honours with Specialization / Minors and its respective courses	 The HOD Presented the number of students doing Honours/ Honours with specialization/ Minors and their respective courses. Members appreciated and suggested utilizing the NPTEL video lectures for honours and minors since it encourages the students to do self-paced courses and enhances self-learning.
007.05.02	Student Internship Completion details	The HOD shared the statistical data of the student internship/ Inplant training details for R2020 & R2021.Members appreciated it.
007.05.03	Pass Percentage of students	The HOD Presented the Pass percentage year-wise and course-wise. The members appreciated the IV Year and III Year Results. The members suggested concentrating on II Year Results, especially III and IV Semester Results by providing coaching classes to the slow learners. The members appreciated the Graduation Percentage of 2019-2023 Passed out batch.
007.05.04	Value Added Courses offered/	The HOD Presented the Value-added

	Planned for the academic year: 2023 – 2024	course offered/ planned for the academic year and the members suggestions were noted in 007.04.04.		
007.05.05	NBA eSAR / status /compliance preparation and its information	The HOD Happily shared the NBA Accreditation status of the department for three years from AY 2021-2022 to AY 2023-2024. Also, he stated that we are in the process of the compliance report preparation. The members appreciated the efforts taken by the faculty members for the successful preparation of the compliance report.		
007.05.06	Student Internship details (between 6 th and 7 th meeting)	The HOD shared the statistical data of the student internship/ Inplant trainin details for R2020 & R2021 and all the BoS Members appreciated the III conactivities of the department.		

007.06.00: Any other Item

- ➤ The HoD presented the Department's achievements in placement, extracurricular, and co-curricular activities of students. The BoS members appreciated the department's achievements and encouraged offers with higher salary packages and more participation in the future.
- ➤ Members discussed the student admissions in I year and the Lateral Entry scheme.

007.07.00: Vote of Thanks

➤ The meeting ended with the Vote of Thanks by A.Arulkumar, Assistant Professor, Department of Mechatronics Engineering, Kamaraj College of Engineering and Technology, Virudhunagar.

BoS Coordinators

A.Arulkumar,AP/MTRE

S. Wesley Moses Samdoss, AP/MTRE

BoS Chairman Dr.K.Kannan

HoD / MTRE

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22.01.2024

Minutes of Meeting

As per the current needs in industry, we need to provide the Value-added course for 2022 – 2026 Batch, II year UG candidates in 2023 – 2024 Even semester. In connection with this, the three member committee has been constituted to scrutinize the Value-added course evaluation, meeting has been convened on 22.01.2024 (1.30 PM to 02.30 PM) at SMC Centre for Excellence Lab, Mechatronics Engineering, Kamaraj College of Engineering and Technology, Virudhunagar.

The Three-member committee has recommended the Value-added course "Internet of Things" for 2022-2026 Batch.

Members List

S.No.	Members	Category	Signature
1	Dr.K.Kannan, Prof. & Head/MTRE	Head	di k
2	Mr.S.Wesley Moses Samdoss, AP/MTRE	UG Coordinator	Tula way
3	Mr.A.Arulkumar, AP/MTRE	VAC Incharge	1 h 22/01/2024.

Internet of Things (IoT)

IoT Introduction 6 Hours

IoT Introduction - Basics of C Programming - Basic Electronics Setting up Arduino IDE - LED Blinking Traffic Light System Diving deep into C programming (functions) LED control using push button - Motor switching on using relay C pointers - arrays and memory allocation.

Sensors and Types of Arduino Controller

12 Hours

Temperature sensor to display temperature - ESP 32/ ESP8266 architecture - LED and Switch Control basics using ESP Display Interfacing - 7 segment - LCD display - Keypad.

IoT Protocols and Applications

8 Hours

ADC Conversion - keypad relay control - USART - USART Communication Timer - Counter Clock - PWM - PWM Example - Project - Microcontroller EEPROM - Storing Wifi Credentials in EEPROM - I2C - RTC time from RTC - NTP - NODEMCU IOT - Temperature & Humidity - PIR CLOUD - Home automation - Robot control.

Arduino IoT Cloud Hours

4

Arduino Cloud Integration – Account Creation – Things Create – Device Configuration – Dashboard Configuration – live data streaming.

Internal Assessment Test and Presentation Hours

5

IoT Assessment

dicates required question	
Email *	
	-
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	_
Register Number *	
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	_
Name *	
Namo	
	1004
Year and Department *	
Toda Billo Dopeliument	
Annual former way goes a second to the contract of the contrac	men.
Mention title of project you have done *	
Approved and the second of the	Advisory of the property of the first of the second
to appreciate the proposal for the proposal of the proposal of the control of the	

7.	True or False. We use a pull down resisted input is held LOW when the switch is off	 ire the	* 1 point
	Mark only one oval.		
	True		
	False		
8.	What is sketch in Arduino? *		1 point
	Mark only one oval.		
	Drawing		
	Paint		
	Code		
	None of the above		
9.	What is ESP8266? *		1 point
	Mark only one oval.		
	A Wifi based Microntroller		
	Relay module		
	Pressure sensor		
	Bluetooth module		

10.	What are the software structure functions? *	1 point
	Mark only one oval.	
	Setup() and Loop() Void main ()	
	Class () and Void main()	
	None of the above	
11.	Full form of MQTT? *	1 point
	Mark only one oval.	
	Message Queuing Telemetry Transport Protocol	
	Metadata Que Transport Telementary	
	Markup Quality Transverse Transport	
	None of the above	
12.	Which is not a protocol *	1 point
	Mark only one oval.	
	SPI	
	PWM	
	UART	

13.	IoT use which medium? *	1 point
	Mark only one oval.	
	Internet	
	BLE	
	LORA	
	None of the above	
14.	Which is not a component of IoT? *	1 point
	Mark only one oval.	
	Sensors	
	Connectivity	
	Data Processing	
	None of the above	
15.	Which is not a IoT board? *	1 point
	Mark only one oval.	
	ESP32	
	ESP8266	
	arduino UNO	
	None of the above	

Preprocessor->Editor->Compiler

Compiler->Preprocessor->Editor

All the above

19.	What is the operating voltage of ESP8266? *	1 point
	Mark only one oval.	,
	3.3V	
	5V	
	9V	
	All the above	
20.	How many times does the setup() function run on every startup of the Arduino System?	* 1 point
	Mark only one oval.	
	<u> </u>	
	2	
	3	
	4	
21.	What is the use of the ESP8266 WiFi Module? *	1 point
	Mark only one oval.	
	Network Provider	
	Switches circuits	
	Evaluates air pressure	
	None of the above	

22.	GPIO Stands for? *	1 point
	Mark only one oval.	
	General purpose input output	
	General purpose integrated output	
	General purpose intra output	
	None of the above	
23.	Which is not a datatype? *	1 point
	Mark only one oval.	
	Int	
	Float	
	Pinmode	
	Long	
24.	Sensors convert signals from analog to domain. *	1 point
	Mark only one oval.	
	electrical	
	○ Digital	
	Mechanical	
	Both a and b	
	Dutil a allu u	

25.	To keep the LED on, output at pin 13 is written in code as? *	1 point
	Mark only one oval.	
	digitalread(13,HIGH); digitalRead(13,1); digitalwrite(13,HIGH);	
	digitalWrite(13,HIGH);	
26.	What is the full form of PWM? *	1 point
	Mark only one oval.	
	Pin Wide Modulation	
	Pulse Waveform Modulation	
	Pulse Width Modulation	
	Pulse Wave Modulation	
27.	Arduino Codes are referred to as in the Arduino IDE. *	1 point
	Mark only one oval. a) sketches	
	b) drawings	
	c) links	~
	d) notes	

2	28.	What is the use of the Vin pin present on some Arduino Boards? *	1 point
		Mark only one oval.	
		a) To ground the Arduino Board	
		b) To power the Arduino Board	
		c) To provide a 5V output	
		d) Is used for plugging in 3V supply	
2	29.	What is the microcontroller used in Arduino UNO? *	1 point
		Mark only one oval.	
		a) ATmega32114	
		b) AT91SAM3x8E	
		c) ATmega2560	
		d) ATmega328p	
3	0.	If digital input pin 4 was LOW and we wanted the variable 'switchstate' to store that value, which is the correct command.	* 1 point
		Mark only one oval.	
		switchstate =digitalRead(4);	
		switchstate=digitalRead(7);	
		switchstate =digitalRead(4)	
		switchstate =digitalread(4);	

31.	Select one Digital inputs *	1 point
	Check all that apply.	
	can be one of three states,HIGH,LOW and MIDDLE can turn on LED's	
	can be only one of two states,HIGH or LOW Can be a wide range of values.	
32.	How much bit ADC is used in Arduino? *	1 point
	Mark only one oval.	
	12 bit	
	10 bit	
	32 bit	
	64 bit	
21		
33.	Which serial communication protocol can be used while using ESP8266?	* 1 point
	Mark only one oval.	
	i2c	
	SPI	
	UART	
	All of the above	
	Other:	

34.	How many GND (ground) pins are present in the NodeMCU ESP826	6? * 1 point
	Mark only one oval.	
	<u> </u>	
	2	
	3	
	<u>4</u>	
35.	Which devices measures gases or liquid? *	1 point
	Mark only one oval.	
	Water Flow Sensor	
	Proximity sensor	
	Pressure sensor	
	Temperature sensor	
36.	Resolution is expressed in*	1 point
	Mark only one oval.	
	Bytes	
	Bits	
	Word	
	Nibble	
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What is sketch in Arduino? *		1 poir
Drawing		
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What is ESP8266? *		1 poin
A Wifi based Microntroller		
Relay module		
Pressure sensor	· 3	
Bluetooth module		

What are the software structure functions? *	1 point
Setup() and Loop()	
O Void main ()	
Class () and Void main()	
None of the above	
Full form of MQTT? *	1 point
Message Queuing Telemetry Transport Protocol	
Metadata Que Transport Telementary	
Markup Quality Transverse Transport	
None of the above	
	AND REAL PROPERTY AND REAL PROPERTY CO. CO.
Which is not a protocol *	1 point
○ SPI	
O 12C	
● PWM	
○ UART	

IoT use which medium? *	1 point
Internet	
O BLE	
○ LORA	
O None of the above	
Which is not a component of IoT? *	1 point
Sensors	
Connectivity	
O Data Processing	
None of the above	
Which is not a IoT board? *	1 point
C ESP32	
O ESP8266	
arduino UNO	
None of the above	

What language is a typical Arduino code based on? *	1 point
Assembly Code	
◯ Java	
● CPP	
O Python	
What language is the Arduino IDE built on? *	1 point
○ CPP	
Java	
O Python	
O HTML	
What is the correct execution process of an Arduino code? *	1 point
Editor->Preprocessor->Compiler	
O Preprocessor->Editor->Compiler	
Compiler->Preprocessor->Editor	
All the above	

What is the operating voltage of ESP8266? *	1 point
O 5V	
O 9V	
O All the above	
How many times does the setup() function run on every startup of the Arduino System? *	1 point
1	
O 2	
○ 3	
O 4	
What is the use of the ESP8266 WiFi Module? *	1 point
Network Provider	
Switches circuits	
Evaluates air pressure	
None of the above	

GPIO Stands for? *		1 point
General purpose input output		
General purpose integrated output		
General purpose intra output		
None of the above		
Which is not a datatype? *		1 point
) Int		
Float		
Pinmode		
Long		
Sensors convert signals from analog to domain. *		1 point
electrical	*	
Digital		
Mechanical		
O Both a and b		

To keep the LED on, output at pin 13 is written in code as? *	1 point
O digitalread(13,HIGH);	
O digitalRead(13,1);	
digitalwrite(13,HIGH);	
digitalWrite(13,HIGH);	
What is the full form of PWM? *	1 point
O Pin Wide Modulation	
O Pulse Waveform Modulation	
Pulse Width Modulation	
O Pulse Wave Modulation	
Arduino Codes are referred to as in the Arduino IDE. *	1 point
(a) sketches	
b) drawings	
O c) links	
O d) notes	

What is the use of the Vin pin present on some Arduino Boards? *
 a) To ground the Arduino Board b) To power the Arduino Board c) To provide a 5V output d) Is used for plugging in 3V supply
What is the microcontroller used in Arduino UNO? *
 a) ATmega32114 b) AT91SAM3x8E c) ATmega2560 d) ATmega328p
If digital input pin 4 was LOW and we wanted the variable 'switchstate' to store that value, * 1 point which is the correct command. Switchstate = digitalRead(4); switchstate = digitalRead(7); switchstate = digitalRead(4) switchstate = digitalread(4);

Select one Digital inputs*	1 point
can be one of three states,HIGH,LOW and MIDDLE	
can turn on LED's	
can be only one of two states,HIGH or LOW	
Can be a wide range of values.	
How much bit ADC is used in Arduino? *	1 point
O 12 bit	
10 bit	
32 bit	
O 64 bit	
Which serial communication protocol can be used while using ESP8266? *	1 point
O i2c	
○ SPI	
● UART	
All of the above	
Other:	

How many GND (ground) pins are present in the NodeMCU ESP8266? *	1 point
O 1	
O 2	
O 3	
● 4	
Which devices measures gases or liquid? *	1 point
Water Flow Sensor	
O Proximity sensor	
Pressure sensor .	
Temperature sensor	
	,
Resolution is expressed in*	1 point
O Bytes	
Bits	
○ Word	
○ Nibble	

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IoT Assessment

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What is sketch in Arduino? *	1 poi
Drawing	
Paint	
Code	
None of the above	
What is ESP8266? *	1 poi
A Wifi based Microntroller	
Relay module	
Pressure sensor	

What are the software structure functions? *	1 point
Setup() and Loop()	
O Void main ()	
Class () and Void main()	
O None of the above	
Full form of MQTT? *	1 point
Message Queuing Telemetry Transport Protocol	
Metadata Que Transport Telementary	
Markup Quality Transverse Transport	
O None of the above	
Which is not a protocol *	1 point
O SPI	
O 12C	
● PWM	
UART	

IoT use which medium? *	1 point
Internet	
O BLE	
○ LORA	
None of the above	
Which is not a component of IoT? *	1 point
Sensors	
Connectivity	
O Data Processing	
None of the above	
Which is not a IoT board? *	1 point
C ESP32	
SP8266	
arduino UNO	
None of the above	

What language is a typical Arduino code based on? *	1 point
Assembly Code	
○ Java	
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Python	
What language is the Arduino IDE built on? *	1 point
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Java	
Python	
O HTML	
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What is the correct execution process of an Arduino code? *	1 point
Editor->Preprocessor->Compiler	
O Preprocessor->Editor->Compiler	
Compiler->Preprocessor->Editor	
All the above	

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What is the operating voltage of ESP8266? *	1 point
3.3V	
○ 5V	
○ 9V	
All the above	J.
How many times does the setup() function run on ev	ery startup of the Arduino System? * 1 point
1	
O 2	
O 3	
O 4	
What is the use of the ESP8266 WiFi Module? *	1 point
Network Provider	
O Switches circuits	
Evaluates air pressure	
None of the above	

Mechanical

Both a and b

To keep the LED on, output at pin 13 is written in code as? *	1 point
digitalread(13,HIGH);	
digitalRead(13,1); digitalwrite(13,HIGH);	
digitalWrite(13,HIGH);	
What is the full form of PWM? *	1 point
O Pin Wide Modulation	
O Pulse Waveform Modulation	
Pulse Width Modulation	
O Pulse Wave Modulation	
Arduino Codes are referred to as in the Arduino IDE. *	1 point
a) sketches	
b) drawings	
C) links	
O d) notes	

What is the use of the Vin pin present on some Arduino Boards? *	1 point
a) To ground the Arduino Board	
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(c) ATmega2560	
(a) ATmega328p	
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switchstate =digitalRead(4);	
switchstate=digitalRead(7);	
switchstate =digitalRead(4)	
switchstate =digitalread(4);	

Select one Digital inputs *	1 point
can be one of three states,HIGH,LOW and MIDDLE	
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How much bit ADC is used in Arduino? *	1 point
12 bit	
● 10 bit	
32 bit	
O 64 bit	
Which serial communication protocol can be used while using ESP8266? *	1 point
○ i2c	
○ SPI	
UART	
All of the above	
Other:	No distriction and more states and appropriate

How many GND (ground) pins ar	re present in the NodeMCU ESP8266?	* 1 point
O 1		
● 2		
○ 3		
O 4		
Which devices measures gases or	· liquid? *	1 point
Water Flow Sensor		
O Proximity sensor		
Pressure sensor		
Temperature sensor		
Resolution is expressed in	*	1 point
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Mention title of project you have done *	
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What is sketch in Arduino? *				1 point
O Drawing				
Paint				
● Code				
None of the above				
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What is ESP8266? *		The second secon	•	1 point
A Wifi based Microntroller				
Relay module				
Pressure sensor				
Bluetooth module				

What are the software structure functions? *	1 point
Setup() and Loop()	
O Void main ()	
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Full form of MQTT? *	1 point
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None of the above	
Which is not a protocol *	1 point
○ SPI	
○ I2C	
○ UART	

IoT use which medium? *	1 point
Internet	
O BLE	
O LORA	
O None of the above	
Which is not a component of IoT? *	1 point
Sensors	
Connectivity	
O Data Processing	
None of the above	
Which is not a IoT board? *	1 point
C ESP32	
O ESP8266	
arduino UNO	
None of the above	

Compiler->Preprocessor->Editor

All the above

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What is the operating voltage of ESP8266? *				1 point
3.3V				
○ 5V				
○ 9V		*		
All the above				
How many times does the setup() function run on	every startup of th	ne Arduino S	System? *	1 point
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O 2				
○ 3				
O 4				
What is the use of the ESP8266 WiFi Module? *		an control and for Jacobse systems		1 point
Network Provider				
Switches circuits				
Evaluates air pressure				
None of the above				

GPIO Stands for? *		1 point
General purpose input output		
General purpose integrated output		
General purpose intra output		
None of the above		
Which is not a datatype? *		1 point
O Int		
○ Float		
Pinmode		
Long		
Sensors convert signals from analog to	domain. *	1 point
electrical		
Digital		
Mechanical		
O Both a and b		

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digitalread(13,HIGH);		
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Pin Wide Modulation		
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O Pulse Wave Modulation		
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a) sketches		
b) drawings		
C) links		
O d) notes		
		*

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How much bit ADC is used in Arduino? *	1 point
12 bit	
(a) 10 bit	
32 bit	
O 64 bit	
Which serial communication protocol can be used while using ESP8266? *	1 point
O i2c	100
○ SPI	
• UART	
All of the above	
Other:	ero Mon Menero di Nobello constanto o

How many GND (ground) pins are present in the NodeMCU ESP8266? *	1 point
O 1	
2	
○ 3	
O 4	
Which devices measures gases or liquid? *	1 point
Water Flow Sensor	
O Proximity sensor	
Pressure sensor	
Temperature sensor	
Resolution is expressed in*	1 point
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Bits	
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What is sketch in Arduino? *	AND THE RESERVE AND THE PROPERTY OF THE PROPER	1 point
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O Paint		
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None of the above		
What is ESP8266? *		1 point
A Wifi based Microntroller		
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IoT use which medium? *	The second secon	1 point
Internet		
O BLE		
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Which is not a component of IoT? *		1 point
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All the above	

What is the operating voltage of ESP8266? *	1 point
○ 5V	
○ 9V	
All the above	
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1	
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Network Provider	
O Switches circuits	
Evaluates air pressure	
O None of the above	

IoT Assessment

GPIO Stands for? *	1 point
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○ Float	
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Mechanical	
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C) links	
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O 1		
O 2		
O 3		
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Pressure sensor		
Temperature sensor		
Resolution is expressed in*		1 point
Bytes		
Bits		
Word		
Nibble		

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This is to certify that Mr./Ms. S.SASHWANTH has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K. Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK.. 85...%

DIRECTOR

A.KESAVAN

COORDINATOR A ARULKUMAR





This is to certify that Mr./Ms. _A.P. BIBAKS _NOBAL _____ has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K. Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK...79...%

DIRECTOR

A KESAVAN

COORDINATOR A.ARULKUMAR IOD/MECHATRONICS ENGINE





This is to certify that Mr./Ms. _v. ISAC STEPHEN _____ has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K. Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK...82..%

A. Merawan DIRECTOR A.KESAVAN

COORDINATOR A.ARULKUMAR





ASSESSMENT MARK... 85...%

A. Weravan DIRECTOR A.KESAVAN

COORDINATOR A.ARULKUMAR





This is to certify that Mr./Ms. A.JOTHEESWARAN has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K. Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK.......%

DIRECTOR A.KESAVAN

COORDINATOR A.ARULKUMAR





This is to certify that Mr./Ms. R. MATHIYA VEDHA NIRANJAN has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K. Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK...82.%

A. Sterawan DIRECTOR A KESAVAN

COORDINATOR A.ARULKUMAR





ASSESSMENT MARK...58..%

A. Sterawan DIRECTOR A.KESAVAN

COORDINATOR A.ARULKUMAR





This is to certify that Mr./Ms. _k. HARIRAJAN _____ has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K. Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK...85..%

A. Sterawan DIRECTOR A.KESAVAN

COORDINATOR A.ARULKUMAR k. k





ASSESSMENT MARK...85..%

A. Werawan DIRECTOR A.KESAVAN

COORDINATOR A.ARULKUMAR ka. k





This is to certify that Mr./Ms. 5. MUTHU JEYA SUNDAR has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K. Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK...85...%

DIRECTOR A KESAVAN

COORDINATOR A.ARULKUMAR





This is to certify that Mr./Ms. 5. SAHAYA SANTHOSH RAJ has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K. Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK...82..%

A. Sterawan

DIRECTOR A.KESAVAN COORDINATOR
A.ARULKUMAR

k. k





This is to certify that Mr./Ms. _ S.RAGA VARSHINI _____ has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K.Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK...86..%

A. Cherawan DIRECTOR A.KESAVAN

COORDINATOR A.ARULKUMAR OD MECHATRONICS ENGINEE





This is to certify that Mr./Ms. P. LOGIA ANTANA has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K. Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK. 84.%

A. Steravar DIRECTOR A.KESAVAN

COORDINATOR A.ARULKUMAR k. k





This is to certify that Mr./Ms. __S. PRIYADHARSHAN _____ has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K. Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK.. 84..%

A. Menawan DIRECTOR

A KESAVAN

COORDINATOR A.ARULKUMAR k. b





This is to certify that Mr./Ms. R. MADHAN KUMAR has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K. Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK.....%

DIRECTOR A.KESAVAN

COORDINATOR A.ARULKUMAR A.A





This is to certify that Mr./Ms. _______ has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K. Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK... 78.%

A. Exeravan

DIRECTOR A.KESAVAN COORDINATOR A.ARULKUMAR A. D.





ASSESSMENT MARK...%

A. Grenavan

DIRECTOR A.KESAVAN COORDINATOR A.ARULKUMAR k. d





This is to certify that Mr./Ms. ____A. ARUNATH ______ has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K. Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK...83...%

A. Erenavan

DIRECTOR A.KESAVAN COORDINATOR .

A ARULKUMAR





This is to certify that Mr./Ms. _B. HARI KRISHNAN _____ has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K. Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK.. 86...%

A. ESAVAN

COORDINATOR A.ARULKUMAR





This is to certify that Mr./Ms. k.SRIRAM NARAYANAN has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K. Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK.....%

A. Tunauon DIRECTOR A.KESAVAN

COORDINATOR A.ARULKUMAR





This is to certify that Mr./Ms. _______ has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K. Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK.. 80...%

A. Werawan DIRECTOR A.KESAVAN

COORDINATOR A.ARULKUMAR HOD/MECHATRONICS ENGINE





This is to certify that Mr./Ms. __B.RATHIKASHREE _____ has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K.Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK...81...%

A. Everawan

DIRECTOR A.KESAVAN COORDINATOR A.ARULKUMAR k. k





This is to certify that Mr./Ms. ______ has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K. Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK..84...%

A. Grenavan

DIRECTOR A.KESAVAN COORDINATOR A.ARULKUMAR





This is to certify that Mr./Ms. ___M.PARTHIBAN ______ has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K.Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK...83..%

DIRECTOR A.KESAVAN

COORDINATOR





This is to certify that Mr./Ms. M. SANJAY KUMAR has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K. Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK..83...%

A. Surwan

DIRECTOR A.KESAVAN COORDINATOR A.ARULKUMAR k. k





VALUE ADDED COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. _B.YOGACHARAN ______ has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K.Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK...68...%

A. Sterawan

DIRECTOR A.KESAVAN COORDINATOR A.ARULKUMAR k. k

HOD/MECHATRONICS ENGINEERING. Dr.K.KANNAN





VALUE ADDED COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. _ K.MUTHUMANICKAM _____ has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K. Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK...62..%

A. Sveravan

DIRECTOR A.KESAVAN COORDINATOR A.ARULKUMAR k.k

HOD/MECHATRONICS ENGINEERING. Dr.K.KANNAN





VALUE ADDED COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms	S. GOKUL	has attended Five days Value Added Course
on Internet of Things	(IoT) offered by	Quantanics TechServ Pvt. Ltd, Madurai from
12.02.2024 to 16.02.20	24 in association wit	th the Department of Mechatronics Engineering, KAMARAJ
COLLEGE OF ENGINEERIN	G AND TECHNOL	OGY, K. Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK...85...%

A. Everavan

DIRECTOR A.KESAVAN COORDINATOR

HOD/MECHATPONICS ENGIN

HOD/MECHATRONICS ENGINEERING.
Dr.K.KANNAN





VALUE ADDED COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. _B.SANGARESHWARAN _____ has attended Five days Value Added Course on Internet of Things (IoT) offered by Quantanics TechServ Pvt. Ltd, Madurai from 12.02.2024 to 16.02.2024 in association with the Department of Mechatronics Engineering, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, K. Vellakulam 625701, Near Virudhunagar.

ASSESSMENT MARK...80..%

A. Everagan

DIRECTOR A.KESAVAN COORDINATOR

HOD/MECHATRONICS ENGINEERING.

Feedback - Value added course on "Internet of Things"

29

02:45

Active

Responses

Average time to complete

Status

1. Name of the Student

29

Responses

Latest Responses
"ARUNATH A"

"R.vijai"

"K.Sriram Narayanan"

3 respondents (10%) answered S for this question.

RATHIKA SHREEB

Hari KrishnanB

Sashwanth S

BALAJI C S GUHANESHVAR

Loga AnjanaP

Gokul S

SRAGA VARSHINI Jeya Sundar

SMuthu KSriram Na RMADHAN KUMAR TRI

KUMAR VISAC STE

MSANJAY KUMAR Mathiya

2. Enter Your Roll Number

29 Responses Latest Responses
"22UMT018"
"22umt017"
"22umt020"

1 respondents (3%) answered 22umt010 for this question.

22umt001 22UMT015

22UMT012 22umt007 22umt007

22UMT008 221

22umt005 22umt002

22umt010 22umt024 22umt02

22umt029

22umt011 22UMT0

22UMT023 ^{22umt003} 22UMT004

22UMT022

22UMT013

3. Enter Your Register Number

29

Responses

Latest Responses "920422115002"

"920422115034"

"920422115022"

1 respondents (3%) answered 920422115013 for this question.

920422115003 920422115001

920422115301

92042211530

920422115020

920422115004

920422115021

9204

920422115302

920422115013

920422115303

920422115010

920422115018

920422115014

9204221

920422115007

920422115005

920422115008 c

920422115006

4. Year & Department

29 Responses Latest Responses
"2nd year & mtre"
"2nd year mechatronics "
"Il & Mechatronics Engineering "

9 respondents (31%) answered year mechatronics for this question.

MECHATRONICS ENGGINEERING

MECHATRONICS ENGINEERING

2nd & Mechatronics

II and mechatronics

year mechatronics

Mechatronics Engineering
BEMECHATRONICS ENGINEERING

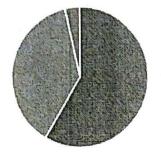
2nd year

5. Did this session increase your team spirit?

Strongly Agree 19
Agree 10
Disagree 0
Strongly disagree 0

6. Did this session helped in increasing your technical knowledge on Internet of Things?

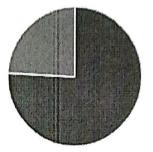
Strongly Agree 17
Agree 11
Disagree 1
Strongly disagree 0



2/20/24, 4:26 PM

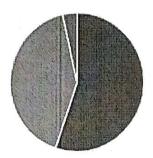
7. Did you enjoy learning this hands on way?

•	Strongly Agree	22
0	Agree	7
	Disagree	0
•	Strongly disagree	0



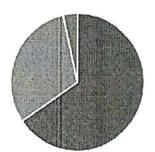
8. Did the Technical Presentations is organized in a sequential manner?

0	Strongly Agree	16
	Agree	12
9	Disagree	1
0	Strongly disagree	0



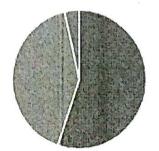
9. Did the Value Added Course is Effective?

	Strongly Agree	19
0	Agree	9
	Disagree	1
	Strongly disagree	0



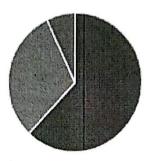
10. Were the Course Materials are useful?

	Strongly Agree	16
0	Agree	12
	Disagree	1
0	Strongly disagree	0



11. Whether the lab facilities are adequate?

Strongly agree
Agree
Disagree
Strongly disagree
0



12. Any other points to improve the conduct of program like Value added Course in future.

24 Responses Latest Responses
"nice experience to improve my knowledge, i need some other d...
"I learnt about the iot internet of things"

"Nil"

○ Update

5 respondents (17%) answered NIL for this question.

info improve myself better useful for our prosent soo nice no NIL good iot inter

extend the hour
advance model internet of things current

nice experience

VAC Coordinator

HoD/MIRE

View re	sult	S
---------	------	---

Strongly disagree

Respondent

4 BIBAKS NOBAL.A.P	01:28 Time to complete
1. Name of the Student *	
A. P. Bibaks Nobal	
2. Enter Your Roll Number *	
22umt002	
3. Enter Your Register Number *	
920422115004	
4. Year & Department *	
Mechatronics Engineering	
5. Did this session increase your team spirit? * Strongly Agree	
Agree	
O Disagree	
Strongly disagree	
6. Did this session helped in increasing your technical know	ledge on Internet of Things? *
Strongly Agree	
() Agree	
(i) Disagree	

2/19/24, 2:44 PM

7. Did	you enjoy learning this hands on way?
0	Strongly Agree
0	Agree
0	Disagree
0	Strongly disagree
8. Did	the Technical Presentations is organized in a sequential manner? *
0	Strongly Agree
0	Agree
0	Disagree
0	Strongly disagree
o Diq	the Value Added Course is Effective? *
<i>5. Did</i>	
0	Strongly Agree
	Agree
0	Disagree
0	Strongly disagree
10 Wa	re the Course Materials are useful? *
10. We	
0	Strongly Agree
0	Agree
(9)	Disagree
()	Strongly disagree
11. Wh	ether the lab facilities are adequate ? *
(6)	Strongly agree
0	Agree
	Disagree
0	Strongly disagree

2/19/24, 2:44 PM

Feedback - Value added course on "Internet of Things"

12. Any other points to improve the conduct of program like Value added Course in future. *

It's useful for our project...

VAC Coordinator

toD/mire

01:28

View results

Strongly disagree

Respondent

	17 LOGA ANJANA.P		Time to complete	
1. Name of the Studer	it *		*	
Loga Anjana.P				the state of the s
A Commence of the special party of the special part	And the second s			
2. Enter Your Roll Num	nber *			
22UMT013				
The second section is a second section of the second section of the second section is a second section of the section of the second section of the sec				
3. Enter Your Register	Number *			
920422115010				
4. Year & Department	*			
second year and mech	otronics engineering			
5. Did this session incr	ease your team spirit? =			
Strongly Agree				
Agree				
Disagree				
Strongly disagree				
6. Did this session help	oed in increasing your technical kr	nowledge on Internet of Th	nings? *	
Strongly Agree				
○ Agree				
() Disagree				

7.	Did •	I you enjoy learning this hands on way?	
	0	Strongly Agree	
	0	Agree	
	0	Disagree	
	0	Strongly disagree	
8.	Did	I the Technical Presentations is organized in a	sequential manner ? *
	0	Strongly Agree	
	0	Agree	
	0	Disagree	B
	0	Strongly disagree	
9.	Did	the Value Added Course is Effective? *	
		Strongly Agree	
	0	Agree	
	0	Disagree	
	0	Strongly disagree	
10.		re the Course Materials are useful? *	
	(1)	Strongly Agree	
	0	Agree	
	()	Disagree	
	0	Strongly disagree	
11	Mhe	ether the lab facilities are adequate? *	
11.	(<u>()</u>	Strongly agree	
	0	Agree	
	0		
		Disagree Strongly disagree	
	Jan 1		

2/19/24, 2:46 PM

Feedback - Value added course on "Internet of Things"

12. Any other points to improve the conduct of program like Value added Course in future. *

AND	to replicate delignation with the second and the second of	
useful		

NAC COORDINATOR.

01:25

View		1
VIGIM	racii	ITC

Strongly Agree

O Agree

O Disagree

Strongly disagree

Respondent

SASHWANTH,S 18 Time to complete 1. Name of the Student * Sashwanth S 2. Enter Your Roll Number * 22umt001 3. Enter Your Register Number * 920422115019 4. Year & Department * 2nd year and mechatronics 5. Did this session increase your team spirit? $^{\pm}$ Strongly Agree O Agree Disagree Strongly disagree 6. Did this session helped in increasing your technical knowledge on Internet of Things? *

7.	Did •	you enjoy learning this hands on way?
	0	Strongly Agree
	0	Agree
	0	Disagree
	0	Strongly disagree
8	Did	the Technical Presentations is organized in a sequential manner? *
	(i)	Strongly Agree
	0	Agree
	0	Disagree
	0	Strongly disagree
		Subjigg disagree
9.	Did	the Value Added Course is Effective? *
	0	Strongly Agree
	\bigcirc	Agree
	Ó	Disagree
	0	Strongly disagree
10.	Wer	e the Course Materials are useful? *
	(9)	Strongly Agree
	C	Agree
	0	Disagree
	0	Strongly disagree
11.	Whe	ther the lab facilities are adequate ? *
	(3)	Strongly agree
	0	Agree
	O	Disagree
	0	Strongly disagree

2/19/24, 2:46 PM

Feedback - Value added course on "Internet of Things"

12. Any other points to improve the conduct of program like Value added Course in future. *

the program was excellent

VAC Coordinator.

HD/MTNR

02:18

View results

Strongly disagree

Respondent

8 ISAC STEPHEN.V	Time to complete
1. Name of the Student *	
V. ISAC STEPHENN	•
2. Enter Your Roll Number *	
22umt003	
3. Enter Your Register Number *	
920422115008	
4. Year & Department *	
2nd & MECHATRONICS ENGINEERING	
5. Did this session increase your team spirit? *	
C Strongly Agree	
Disagree	2
Strongly disagree	
6. Did this session helped in increasing your technical knowledge	on Internet of Things? *
C Strongly Agree	
Agree	
○ Disagree	

Strongly disagree

bid.	you enjoy learning this hands on way?
0	Strongly Agree
0	Agree
0	Disagree
0	Strongly disagree
Did	the Technical Presentations is organized in a sequential manner? *
0	Strongly Agree
0	Agree
0	Disagree
0	Strongly disagree
Did	the Value Added Course is Effective? *
0	Strongly Agree
0	Agree
0	Disagree
0	Strongly disagree
Wer	e the Course Materials are useful? *
0	Strongly Agree
(6)	Agree
0	Disagree
0	Strongly disagree
	,
	ther the lab facilities are adequate ? *
Whe	
Whe	ther the lab facilities are adequate ? *
	Did :

2/19/24, 2:49 PM

Feedback - Value added course on "Internet of Things"

12. Any other points to improve the conduct of program like Value added Course in future. *

Good please provide more

NAC COORDINGTON.

& & ____

INVOICE

	QUANTANICS TECHSERV PVT LTD
00	206, VELLAIKANNU NAGAR,
10	THENI MAIN ROAD,
	MADURAL: 625016

GSTIN: 33AAACQ5974E1ZG

Email Id: support@quantanics.in

PI No: QTS/23-24/28	Dated 26- FEB-2024
Delivery Note	Mode/Terms of Payment
Buyers Order No	

Dispatch Document No. Nil

Delivery Note Nil

Dispatched through Direct Delivery

Destination: Virudhunagar.

Terms of Delivery

Bill To

The Principal,

Kamaraj College of Engineering and

Technology,

Vellakulam- 625701

S. No	Description of Goods	HSN/ SAC	GST Rate	Qty	Unit Rate	Amount
1.	Value Added course on Internet of Things	-	18	29	1000	29000
25	BANK DETAILS	Taxable Value				29000
	Name of the Bank: INDUSIND BANK	CGST				2610
	Account Name: QUANTANICS TECHSERV PVT LTD	SGST				2610
		IGST				-
			Rou	nd Off		
	Account No: 201003764986 IFSC CODE: INDB0001345	Grand Total (Rs.)			34420	

Amount Chargeable (in word): Rs. Thirty Four Thousand Four Hundred and Twenty Rupees Only.

Declaration

We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct

For Quantanics Techsery Pvt Ltd

A. KESAVAN. CEO