P.

PALLAVI ENGINEERING COLLEGE

(Formerly Nagole Institute of Technology & Science) Abdullapurmet(M), Near Hayathanagar, Hyderabad.

Ref No: PEC/CSC/JUN/2022 DATE: 11.06.2022

DEPARTMENT OF CYBER SECURITY

CIRCULAR

All the Staff and students are hereby informed that the Department of CSE-CS is scheduled to conduct "One Week Certificate Program on Internet of Things" for B.Tech II Year students from 13-06-2022 to 18-06-2022 at 10.00 am to 4.30pm, Seminar Hall, Pallavi Engineering College.

All students should consider it as a mandatory and attend the program.

Copy to:

All Heads of the Departments, O/O Principal, PEC

PRINCIPAL

Magole Institute of Technology & Science)
Kunlloor (V), Abdullapurmet (M)
jerabad, R.R. Dist-501505, Telangana.

About College

Engineering College Pallavi has a sprawling campus and is well connected by road and easily accessible by both college and RTC buses. It has the unique advantage of being located in the heart of the city. It is situated 5 km from Nagole cross roads and 3 km from Hayathnagar. t is free from pollution and the hustle and bustle of the city. The experience at PEC is unique; studying here opens a door to a world of opportunities. The college has adequately welldesigned, ventilated and spacious classrooms. All the laboratories of Engineering and Sciences are well equipped with latest and sophisticated gadgets.

/ision

To emerge as a global leader in imparting quality technical education emphasizing ethical values for the betterment of the society.

Mission

o create an excellent teaching learning environment and inculcate the aptitude or research.

o establish centers of excellence through collaborative Initiatives.

o empower the student community by developing creativity and innovation

Chief Patron

Sri. Malka Komaraiah, Chairman & Correspondent

Patron

Dr.M.B.Raju, Principal

Convener

Mr.E.Krishna CSE, HOD

ORGANISING COMMITTEE

Mr. P. V. Sarath Chand, Asst Prof, CSE Mr. M. Arya Bhanu, Asst.Prof,CSE

RESOURCE PERSONS

Dr.T. Sathyanarayana.
Professor & Principal
CMR Institute of Technology,
Hyderabad

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PALLAVI ENGINEERING COLLEGE

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RANGA REDDY DIST-501 505.

One Week Certificate Program on

Internet of Things

13th to 18th June 2022 Organized by

CYBER SECURITY





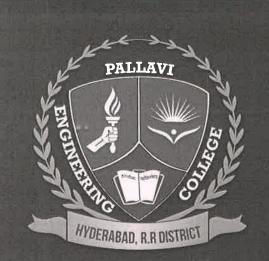




Pallavi Engineering College

(Approved by AICTE, New Delhi, Affiliated to JNTUH, Hyderabad)

www.pallaviengineeringcollege.ac.in



One Week Certificate Program on Internet of Things

13th to 18th June 2022

REGISTRATION FORM

- 1. Name:
- 2. College:
- 3. Branch & Year:
- 4. Category (Student):
- 5. Address:
- 6. Mobile No.:
- 7. E-mail:

Place : Date :

Signature

ABOUT DEPARTMENT

Vision

Training the students to become well-disciplined and knowledgeable in the field of Computer Science and Engineering

Mission

Department mission is to become pioneer in higher learning and research and to produce creative solutions to societal needs. To provide excellence in education, research, public service. The department has full fledged faculty members with experience in industry and teaching, which leads the students to get employment in the market. The department encourages the faculty members and the students to participate paper presentations, seminars, workshops and National and International conferences

About The Program

This program aims at providing an opportunity for participants to enrich their knowledge and skill in developing various solutions for solving engineering problems in the society. The Internet of Things (IoT) has evolved from the convergence of wireless technologies, microelectromechanical systems (MEMS) and the Internet. By connecting things⊠ in the real world such as cars, buildings, and industrial equipment, IoT promises to revolutionize how we live and work. The IoT market is likely to experience around 18% year-on-year growth, rising to 14.4 billion connections across the globe by 2025, counting cellular, fixed line, satellite and short range wireless connections, up from 27 billion devices in the year 2025

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CERTIFICATE PROGRAM CONTENTS

- Practical application of IOT
- Introduction to IOT
- State of IOT Architectures
- Machine Learning & IoT Applications
- IOT networking Using MQTT Protocol.

Who can Attend UG, PG Students

Important Dates

Early bird Registration: 02-06-2022

Late Registration: 10-06-2022

Confirmation Registration: 12-06-2022

On spot registration will not be entertained as the Number of participants is limited

Address for Correspondence Mr.E.Krishna, CSE, HOD,

Pallavi Engineering College, Hyderabad Email: csehod@pallaviengineeringcollege.ac.in Web: www.pallaviengineeringcollege.ac.in Mobile: 9959516255



DEPARTMENT OF CYBER SECURITY

ONE WEEK CERTIFICATE PROGRAM ON INTERNET OF THINGS(IOT)

From: 13-06-2022 to 18-06-2022

CURRICULAM OF THE PROGRAM

- Emerging Trends in Computing: IOT, Edge, Fog, Cloud -Computing and Deep
 Learning Towards an Application in Intelligent Transport System (ITS)
- Introduction to IOT and its Protocols
- Introduction to Hardware Platform for IOT
- Getting Started with IOT Programming Concept
- State-of- art IOT Architectures, Communication Technologies and Applications
- Routing in IOT Network using MQTT Protocol
- Data Science
- Mathematical, algorithmic & distributed systems techniques
- State of the Art Research in IOTs
- Demonstration on some practical application of IOTs
- MICEF(Mist, IOT, Cloud, Edge and Fog Computing) with hand on simulation using Cloudsim Simulator
- Annual demand for the fast-growing new roles of Internet of Things.

Co-ordinator(s)

Head HOD Cyber Securit Department of CSE Cyber Securit Pallavi Engineering College Pallavi Engineering College Kuntloor (V), Abdullapurmet (M) Kuntloor (V), Abdullapurmet (M) Hyderabad, E.R. Dist. 501 505.





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DEPARTMENT OF CYBER SECURITY

ONE WEEK CERTIFICATE PROGRAM ON INTERNET OF THINGS(IOT)

SCHEDULE

DAY:01		

DAY:01	From: 13-06-2022 to 18-06-2022		
10:00 am – 10:20 am	Registration		
10:20 am – 10:50 am	Opening Session		
	- Welcome by host partner.		
	- Overview about software required		
	- Introduction about chief guest		
10:50 am – 11:00 am	Coffee Break		
11:00am – 12:30pm	Session 1		
	- Emerging Trends in Computing: IOT, Edge, Fog, Cloud -Computing and Deep Learning Towards an Application in Intelligent Transport System (ITS)		
12:30 pm – 01:30pm	Lunch		
01:30pm- 03:45 pm	Practice of session 1		
03:45 pm – 04:30pm	Doubts and Discussions		

DAY:02

10:30 am – 10:50 am	Opening Session
	- Introduction to IOT and its Protocols
	Introduction to Hardware Platform for IOT
	Getting Started with IOT Programming Concept
10:50 am - 11:00 am	Coffee Break
11:00 am - 12:30 pm	Session 2
	State-of- art IOT Architectures, Communication Technologies and Applications
12:30 pm – 01:30 pm	Lunch
01:30 pm- 03:45 pm	Practice of session 2
03:45 pm - 04:30pm	Doubts and Discussions

DAY:03

10:30 am – 12:30 pm	Session 3. - Internet of Thing (IOT), Machine Learning & IOT Applications
12:30 pm – 01:30 pm	Lunch
01:30 pm- 03:45 pm	Practice of session 3
03:45 pm – 04:30 pm	Doubts and Discussions

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DAY:04

10:30 am — 10:50 am	Opening Session - Routing in IOT Network using MQTT Protocol - Data Science
10:50 am - 11:00 am	Coffee Break
11:00 am – 12:30 pm	Session 4
	- Mathematical, algorithmic & distributed systems techniques
12:30 pm – 01:30 pm	Lunch
01:30 pm- 03:45 pm	Practice of session 4
03:45 pm – 04:30pm	Doubts and Discussions

DAY:05

10:30 am — 12:30 pm	 State of the Art Research in IOTs Demonstration on some practical application of IOTs
12:30 pm - 01:30 pm	Lunch
01:30 pm- 03:45 pm	Practice of session 5
03:45 pm – 04:30 pm	Doubts and Discussions

DAY:06

D111.00	
10:30 am – 12:30 pm	Session 6
	- MICEF(Mist, IOT, Cloud, Edge and Fog Computing) with hand on simulation using Cloudsim Simulator
	Annual demand for the fast-growing new roles of Internet of Things.
12:30 pm – 01:30 pm	Lunch
01:30 pm- 03:45 pm	Practice of session 6
03:45 pm – 04:30 pm	Doubts and Discussions

Co-ordinator(s)

Head HOD
Department of CSE - Cyber Security
Pallavi Engineering College
Kuntloor (V), Abdullapurmet (M)
Hyderabad, R.R. Dist.-501 505.

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DEPARTMENT OF CYBER SECURITY

SUMMARY REPORT OF THE PROGRAM

S.No.	Name of the Course	Duration	No.of Students Registered	No.of Students Benefited
1	Internet of Things	6 days (36 hours)	29	29

Coordinator

Head HOD
Department of CSE - Cyber Security
Pallavi Engineering College
Kuntloor (V), Abdullapurmet (M)
Hyderabad, R.R. Dist.-501 505.

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DEPARTMENT OF CYBER SECURITY

ONE WEEK CERTIFICATE PROGRAM ON INTERNET OF THINGS(IOT)

13-06-2022 to 18-06-2022

OUTCOME OF THE PROGRAM

- Understand the concepts of Emerging Trends in IOT.
- Ability to understand Protocols and IOT Architecture.
- Understanding communocation models in IOT.
- Understanding the use of IOT devices.

de ordinator(s)

Head HOD - Cyber Securi Department of CSE - Cyber Securi Pallavi Engineering College Pallavi Engineering College Kuntloor (V), Abduilapurmet (M Kuntloor (V), Abduilapurmet (M Hyderabad, R.R. Eist-501505.

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DEPARTMENT OF CYBER SECURITY

ACTIVITY REPORT

Name of the				
Activity	Internet of Things(IOT)			
Type of Activity	One Week Certificate Program			
Date and Time of Activity	13-06-2022 to 18-06-2022	2022 to 18-06-2022 10.00 am to 4:30 pm		
Details of Participants	29 Students			
Resource Person	Dr.T. Sathyanarayana. Professor & Principal CMR Institute of Technology, Hyderabad			
Coordinator Organizing	Mr P V Sarath Chand, Asst Prof, CSE Mr M Arya Bhanu, Asst. Prof, CSE			
Description	"Internet of Things (IoT)". The Rechnology, Hyderabad. The Program started with Introduction Lamp and felicitation of Guests of the This program aims at providing an oknowledge and skill in developing problems in the society. This program lambda in IoT. The Internet of Things (IoT) has extechnologies, microelectromechanical connecting things" in the real worker equipment, IoT promises to revolute market is likely to experience around billion connections across the globe	sorganized by the Department of CSE on Resource Persons Dr. from Institute of the nof speakers, Welcome song, Lighting of day. Approximately for participants to enrich their various solutions for solving engineering gram serves as a platform for research atts to interact on cutting edge technologies. Approximately of the convergence of wireless and systems (MEMS) and the Internet. By the district such as cars, buildings, and industrial indicates how we live and work. The IoT 18% year-on-year growth, rising to 14.4 to by 2025, counting cellular, fixed line, nections, up from 27 billion devices in the		

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Photos

dinator(s)

Department of CSL Cyber Security Head Pallavi Engineering College Kuntloor (V), Abdullapurmet (M) Hyderabad, R.R. Dist. 501 505.

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Kuntloor (V), Hayathnagar (M), R.R. Dist. - 501 505, Hyderabad.

One Week Certicate Program on Internet of Things PARTICIPANT ATTENDANCE SHEET

Date:13-06-2022 to 18-06-2022

S.No	H.T.No.	Name of the Participant	Day1	Day2	Day3 _A	Day4	Day5	Day6
1	206F1A6201	ANANDHU SAJIKUMAR	and	Durk	Dur	Hul	Durf	Auf
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5	206F1A6205	ANURAG GONDEGAVE	towner	strung	Anuny	House	Arune	Arang
6	206F1A6206	KATIKA SRAVANI	Kobrours	PONO FI	LUVOVO	torewan	K. Mavan	1 Space
7	206F1A6207	BUDIDHA MALLESH YADAV	B. Mallet	B. Mallel	B Mallet	B. Mallet	B-Mallet	B Mallet
8	206F1A6208	GURJAPALLY ABHISHEK	Custilla	Commen.	bedelle	Cadelle	Carpelila	(Ndoes
9	206F1A6209	AGAIAH USHA DEEPAK	Med	Cellas	cleres	und	ustra	copla
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11	206F1A6211	E NIKHIL KUMAR	neky	(make)	policy	(ph/s)	alke	Wells
12	206F1A6212	MAINAMPATI SAI KUNDAN REDDY	Bleef	De	We	By	Bu	(K)
13	206F1A6213	RAJESH SATRAM	S. Rijush	s. Kajen	skyoh	Shujerh	s. Kyesh	s. Rujeal
14	206F1A6214	SIDRAMESHWAR	Rendra	Sechus	Section	-Rina	Redner	SMAIN
15	206F1A6215	KONDURI SAI KUMAR	Strun	Slop	Stel	Thea	- 81ce_	Sere
16	206F1A6216	VENKUDOTH HANUMA	Hams	Hows	Ams	Ams	Arms	Homes
17	206F1A6217	BHUKYA RAJENDER	Res	Rej	Reg	Rej	Rej	Bus
18	206F1A6218	MADASU GAYATHRI	Ganon	s Claras	Canks	Cources	Congor	Gank
19	206F1A6219	G SHIVAKUMAR NAIDU	Slens	glow	Slen	New	Sland	Slend
20	206F1A6220	KOLA SAI KIRAN	cler	-8/2	- 8/4	sle	Skn	860
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22	216F5A6201	BANOTH RAKESH	ORY	Befet	Circy	Cefer	- Out	Dily
23	216F5A6202	DANTHOJU SAI KUMAR	Southing	Locking	Saiking	Saistimo	Southing	South
24	216F5A6203	PINNOJU SHASHANK	Poluelit	186m	Peherk	18her	Pana	Roma
25	216F5A6204	SRIRAMOJU HARISH JAI RAM	affect !	e pland	CO ADUNY	SHOUSE	SAMO	Hoor
26	216F5A6205	TEGALA SRAVANTHI	7 Searcute	T Sewarth	1 Searat	T. Scard	T. Slovett	T Seave
27	216F5A6206	UPPALANCHI SHIVA APRASAD	U.shira	O. shiva	U.shiva	V. shira	Urthivas	Uzhtvz.
28	216F5A6207	MURARKAR ABHISHEK		950	AS)	200	3	dx.
29	216F5A6208	CHAPALA SANDYA RANI	Che Carolle	ch Coudle	a classaudha	chesand	Chilosof	un chisa

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ierabad, R.R. Diet-S01608, Telaugena

Head Hop Department of CSE - Cyber Security Pallavi Engineering College Kuntloor (V), Abdullapurmet (M), Hyderabad, R.R. Dist. 301 505,



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DEPARTMENT OF CYBER SECURITY

ONE WEEK CERTIFICATE PROGRAM ON INTERNET OF THINGS(IOT)

13-06-2022 to 18-06-2022

Feedback Form

Please help us evaluate our event by completing this short survey. We will use your feedback to determine how we can improve our future events.

Overall, how would you rate the event? *

	Poor	Average	Good	Very Good	Excellent
How organized was the event	C	~	c	•	0
On-screen presentation	Ç	r	C	6	Č
Speaker's subject knowledge	r	0	e	<i>c</i>	C
Speaker's interaction with audience	~	C	C	C	r
Have your skills improved because of the training at the event	r	C	C	•	С
Venue	C	r	C	Œ	~
Hospitality	C	~	0	C	•
Facilities	· Comment	C	C		<u>@</u>
How would you rate the overall event	C	C	C	c	C

Would	l you recommend this event to other peop	
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<u></u>	No	(Fermerly Nagole Institute of fection of decisions (V). Abdullapurmet (M).
C N/TEC		Ranga Reddy-501 505

If YES what improvements would you suggest



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Hospitality	(0	C	6	C
Facilities	C	0	0	c	0
How would you rate the overall event	C	C	C	6	0

Would	you	recommend	this	event to	other	people 3
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Yes

No

Principal
PALLAVI ENGINEERING COLLEGE
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Kuntloor (V), Abdullapurmet (M),
Ranga Reddy-501 505

If YES what improvements would you suggest



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DEPARTMENT OF CYBER SECURITY

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	Poor	Average	Good	Very Good	Excellent
How organized was the event	٢	C	~	6	0
On-screen presentation	<u>`</u>	O	<u>^</u>	C	6
Speaker's subject knowledge	r	٢	C	e	C
Speaker's interaction with audience	^	C	~	C	G
Have your skills improved because of the training at the event	C	C	C	•	0
Venue	C	<i>(</i> "-	<i>(</i> ***	(0
Hospitality	C	~	C	~	•
Facilities	C	C	6	C	C
How would you rate the overall event	C	C	~	e	0

Would you recommend	this event to	other pe	eople *
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Yes

No

If YES what improvements would you suggest

Principal

PALLAVI ENGINEERING COLLEGE

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CERTIFICATE

OF PARTICIPATION

This certificate is proudly presented for participation to

Mr./ Ms./ Mrs. ANANDHU SAJIKUMAR

Student of "Cyber Security" has successfully completed One Week

Certificate Program on "Internet of Things" held at Pallavi Engineering College,

Hyderabad during 13.06.2022 to 18.06.2022

CHAIRMANS COORDINATOR

LAVI ENGINEERING COLLEGE

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Mr./ Ms./ Mrs. BODDUPALLY VENKATESH

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CHAIRMAN COORDINATOR

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Mr./ Ms./ Mrs. KATAMONI AKHIRA NANDHAN GOUD

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CHAIRMAN COORDINATOR Servivagoor (V), Abdullapurmet (M)

Kumloor (V), Abdullapurmet (M)

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Mr./ Ms./ Mrs. MS KAVYA SREE

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Mr./ Ms./ Mrs. ANURAG GONDEGAVE

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This certificate is proudly presented for participation to

Mr./ Ms./ Mrs. KATIKA SRAVANI

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Hyderabad during 13.06.2022 to 18.06.2022

CHARMANECOORDINATOR

Auntioor (V), Abdullapurmet (M), Hod, CSE



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This certificate is proudly presented for participation to

Mr./ Ms./ Mrs. BUDIDHA MALLESH YADAV

Student of "Cyber Security" has successfully completed One Week

Certificate Program on "Internet of Things" held at Pallavi Engineering College,

Hyderabad during 13.06.2022 to 18.06.2022

CHAIRMAN COORDINATOR

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HOD, CSE



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Student of "Cyber Security" has successfully completed One Week
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Hyderabad during 13.06.2022 to 18.06.2022

CHAIRMANS COORDINATOR, merly nagole mellule of Technology (NA)

HOD, CSE

Jerabadi, R.R. Disk-501505, Telapuration (NA)

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Mr./ Ms./ Mrs. AGAIAH USHA DEEPAK

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Certificate Program on "Internet of Things" held at Pallavi Engineering College,
Hyderabad during 13.06.2022 to 18.06.2022

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CERTIFICATE

OF PARTICIPATION

This certificate is proudly presented for participation to

Mr./ Ms./ Mrs. KATHIKA SAI KIRAN

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