



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH,
Accredited by NBA & NAAC with 'A' Grade)



DEPARTMENT OF CSE


Circular No: TKRCET/CSE/Seminar/Workshop/Workshop/2022-23

Dt. 08.08.2022
Hyderabad.

CIRCULAR

This is to inform to all the students that Department of CSE, TKRCET is conducting a workshop on “**Deep Learning for NLP and Computer Vision**” from **22-08-2022 to 25-08-2022**. The interested candidates can register their names. The brochure and the schedule will be shared.


Co-ordinator
Dr.Ch.B.N. Lakshmi


HOD - CSE
Dr. A. Suresh Rao
HEAD OF THE DEPARTMENT
Dept. of Computer Science & Engineering
T.K.R. College of Engineering & Technology
Meerpet, Hyderabad-500 097.


PRINCIPAL
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-500097.

ABOUT

TKR College of Engineering and Technology - a modern temple of learning, on off shoot of the TKR Educational Society was established in the year 2002 in a sprawling, dust green 20 acre campus at Meerpet, Hyderabad.

Department of CSE

Department of Computer Science and Engineering had been established in the year 2002, is headed by a young and efficient Professor Dr. A. SURESH RAO under his mentorship, the department is functioning Salubriously

Chief Patron

Shri. Teegala Krishna Reddy,
Chairman TKRES, Ex MLA, Ex Mayor

Co Patron

Shri. T. Harinath Reddy, Secretary
Shri. T. Amarnath Reddy, Treasurer

Principal

Dr. D. V. Ravi Shanker

Vice Principal,

Head of the Department &

Dean Academics

Dr. A. Suresh Rao

Course Content

- Overview of Deep Learning,
- Deep Learning Frameworks,
- Introduction to Natural Language Processing(NLP),
- Word Embeddings,
- Recurrent Neural Networks (RNNs)
- Long Short-Term Memory (LSTM) Networks
- Transformers in NLP
- Introduction to Computer Vision
- Convolution Neural Networks (CNNs)
- Attention Mechanisms in Computer Vision
- Multimodal Deep Learning
- Ethical Considerations in Deep Learning

Date & Time

22-08-2022 to 25-08-2022
09:45 AM to 04:00PM

Venue

AUDITORIUM TKR COLLEGE OF
ENGINEERING AND TECHNOLOGY,
MEDBOWLI, MEERPET,
HYDERABAD-500097

Contact

Dr. Ch. B. N. Lakshmi



TKR College of Engineering and Technology

An AUTONOMOUS INSTITUTION
ACCREDITED BY NAAC 'A' GRADE

Deep Learning for NLP and Computer Vision

By
Mr.

GVV Satyanarayan

Organized by
Department of
Computer Science &
Engineering
TKRCET

DR. A. SURESH RAO
HEAD OF THE DEPARTMENT
Dept. of Computer Science & Engineering
T.K.R. College of Engineering & Technology
Meerpet, Hyderabad-500 097.





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Deep Learning for NLP and Computer Vision


The Department of Computer Science & Engineering of TKRCET (K9) conducted a Workshop on " Deep Learning for NLP and Computer Vision " from 22-08-2022 and 25-08-2022 as a part of professional development / administrative training programs for Students. The invited resource person is Mr.GVV Satyanarayan. The session was attended by 110 participants.

Inaugural session was started at 9.30 am which was presided by Dr. A. Suresh Rao, Head of CSE, TKR College of Engineering & Technology. The coordinator Dr. Ch. B. N. Lakshmi, Professor, TKRCET, welcomed the participants on behalf of TKR College of Engineering & Technology and appreciated the enthusiastic participation of participants in the session. Prof Dr. A. Suresh Rao gave an introduction speech on Deep Learning. In his speech he narrated about Deep Learning, NLP, Computer Vision Basics. He advised all the participants to make use of the session in an efficient manner.

Technical session began after the inaugural session. The session focused Overview of Deep Learning, Deep Learning Frameworks, Introduction to Natural Language Processing (NLP), Word Embeddings, Introduction to Computer Vision, Future Trends in Deep Learning. At the end of session, the queries of the participants were addressed.

The last session was Interaction session. The session was chaired by Dr.A. Suresh Rao, Head of CSE, TKR College of Engineering & Technology and the dignitaries. Many participants shared opinions on the event. Some of the doubts expressed by the participants were clarified.

Head of CSE


DR. A. SURESH RAO
HEAD OF THE DEPARTMENT
Dept. of Computer Science & Engineering
T.K.R. College of Engineering & Technology
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DEPARTMENT OF CSE


Circular No: TKRCET/CSE/Seminar/Workshop/Seminar/2022-23

Dt. 01.02.2023
Hyderabad.

CIRCULAR

This is to inform to all the students that Department of CSE, TKRCET is conducting a Seminar on “Python and IOT” from 07.02.2023 to 08.02.2023. The interested candidates can register their names. The brochure and the schedule will be shared.


Co-ordinator
Dr. M. Narender


HOD, CSE
Dr. A. Suresh RAO
HEAD OF DEPARTMENT
Dept. of Computer Science & Engineering
T.K.R. College of Engineering & Technology
Meerpet, Hyderabad-500 097.


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Co Patron

Shri. T. Harinath Reddy, Secretary
Shri. T. Amarnath Reddy, Treasurer

Principal

Dr. D. V. Ravi Shanker

Vice Principal,

Head of the Department &

Dean Academics

Dr. A. Suresh Rao

Course Content

- Overview of IoT,
- IoT Architecture,
- IoT Protocols,
- Introduction to Python for IoT,
- IoT Security Considerations,
- Data Storage for IoT,
- Real-time Data Processing,
- Visualization and Analytics,
- IoT Application Development,
- Edge Computing in IoT,
- IoT Cloud Platforms,
- IoT Project Deployment.

Date & Time

07-02-2023 to 08-02-2023

09:45 AM to 04:00PM

Venue

AUDITORIUM TKR COLLEGE OF
ENGINEERING AND TECHNOLOGY
MEDBOWLI, MEERPET
HYDERABAD-500097

DR. A. SURESH RAO
HEAD OF THE DEPARTMENT
Dept. of Computer Science & Engineering
T.K.R. College of Engineering & Technology
Meerpet, Hyderabad-500097.

Contact

Dr. M. Narender



**TKR College of Engineering
and Technology**

AN AUTONOMOUS INSTITUTION
ACCREDITED BY NAAC 'A' GRADE

Python and IoT

By

Mr. Sandeep

(Trylogic Soft Solutions)

Organized by

Department of
Computer Science &
Engineering
TKRCET





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Python and IOT


The Department of Computer Science & Engineering of TKRCET (K9) conducted a Seminar on "Python and IOT" on 07-02-2023 and 08-02-2023 as a part of professional development / administrative training programs for Students. The invited resource person is Mr.Sandeep Trylogic Soft Solutions(AP). The session was attended by 140 participants.

Inaugural session was started at 9.30 am which was presided by Dr. A. Suresh Rao, Head of CSE, TKR College of Engineering & Technology. The coordinator Dr.M. Narender, prof, TKRCET, welcomed the participants on behalf of TKR College of Engineering & Technology and appreciated the enthusiastic participation of participants in the session. Prof Dr. A. Suresh Rao gave an introduction speech on Python and IOT. In his speech he narrated about Python, IOT Basics. He advised all the participants to make use of the session in an efficient manner.

Technical session began after the inaugural session. The session focused Overview of IoT, IoT Architecture, IoT Protocols, Introduction to Python for IoT Working with Microcontrollers, Sensor Integration. At the end of session, the queries of the participants were addressed.

The last session was Interaction session. The session was chaired by Dr.A. Suresh Rao, Head of CSE, TKR College of Engineering & Technology and the dignitaries. Many participants shared opinions on the event. Some of the doubts expressed by the participants were clarified.

Head of CSE


DR. A. SURESH RAO
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TKR COLLEGE OF ENGINEERING & TECHNOLOGY (K9)

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B.TECH III YEAR VI SEM (EEE-A) STUDENTS

CAREER GUIDANCE & HIGHER EDUCATION BY KC OVERSEAS

ACADEMIC YEAR: 2022-23

Date: 10-04-2023

S.NO	ROLL.NO	STUDENT NAME	Signature
1	20K91A0202	AKARAPU MANIDHEEP	A. Mani
2	20K91A0203	ALAWAT RAJESH	A. Rajesh
3	20K91A0204	ALETI SHIVA REDDY	A. Shiva
4	20K91A0205	BALAGA DILEEP	B. Dileep
5	20K91A0206	BALUSULA VENU	Venu
6	20K91A0208	BHUKYA NAGARAJU	Nagaraju
7	20K91A0209	BHUKYA RAJU	Raju
8	20K91A0211	CHEEKURI CHANDANA	Chemsara
9	20K91A0212	CHEPURI SRIKANTH	C. S. W.
10	20K91A0213	D HARSHITHA	Harshitha
11	20K91A0214	DHANUKONDA KIRAN TEJA	Kiran
12	20K91A0215	DHEERAVATH SAI KUMAR	Sai
13	20K91A0216	DOKUPARTHY VENKAT NAVNEETH GUPTHA	D. Venkat
14	20K91A0217	DONGALA RAKESH	Rakesh
15	20K91A0218	GADDAM LAXMAN	G. Laxman
16	20K91A0219	GADE SOWMYA	Sowmya
17	20K91A0220	GOLLA LOKESH	Lokesh
18	20K91A0221	GUNDLAPALLI THIRUPATHI RAO	G. Thiru
19	20K91A0223	JADA SHASHI KUMAR	Shashi
20	20K91A0224	JAKKA CHANDRA SHEKAR	Chemsara
21	20K91A0226	JAKKULA SAI KUMAR	Sai Kumar
22	20K91A0227	K NARENDRA	Narendar
23	20K91A0228	KADARI SHEKHAR	Shekhar
24	20K91A0229	KOMAKULA RAVI CHAND	Ravi
25	20K91A0230	KOMMU ARJUN KUMAR	Arjun
26	20K91A0231	KONDA RAGHAVENDER	Ravi
27	20K91A0232	KONDOJU VINEETH	Vineeth
28	20K91A0233	KUNSOTHU SHARATH	K. Sharath
29	20K91A0234	M JAYANTH RAJ	Raj
30	20K91A0235	MACHERLA AKHILA	Akhila

20K91A0236	MADASU RAKESH	<u>M.P.R.</u>
20K91A0237	MALLACHALAM DEVI TANISHKA	<u>M.P.T.</u>
20K91A0240	MEKHALA BHARATH KUMAR	<u>M.B.K.</u>
21K95A0201	A ARCHANA	<u>Archana</u>
21K95A0202	A BAVIGNA	<u>A.B.</u>
21K95A0203	A SAI KUMAR	<u>A.S.K.</u>
21K95A0204	A SURAJ	<u>Suraj</u>
21K95A0205	B GOUTHAM	<u>B.Goutham</u>
21K95A0206	B SAI KIRAN GOUD	<u>S.K.G.</u>
21K95A0207	B THARUN	<u>B.Tharu</u>
21K95A0208	BACHALAKURA JASHWINI BINDHU	<u>B.J. Bindu</u>
21K95A0209	CH SHIVA SAGAR	<u>C.Shiva</u>
21K95A0210	CHANDUPATLA SPOORTHI	<u>C.Spoorthi</u>
21K95A0211	D GOUTHAM	<u>D.Goutham</u>
21K95A0212	D VASANTH KUMAR	<u>Vasanth</u>
21K95A0213	DYAVALA SUCHITH	<u>Suchi</u>
21K95A0214	E ARAVIND	<u>Aravind</u>
21K95A0215	E HANOCH RAJ KUMAR	<u>Raj</u>
21K95A0216	G NIKHIL	<u>G.Nikhil</u>
21K95A0217	G PAVAN KUMAR	<u>Pavan</u>
21K95A0218	GANDAM DHEERAJ	<u>Dheeraj</u>
21K95A0219	J MOHANA KRISHNA SAI	<u>Krishna</u>
21K95A0220	J SAI DEEKSAITH	<u>deeksa</u>
21K95A0221	J SAI KIRAN	<u>J.Sai Kiran</u>
21K95A0222	JANAMPETA NIKHIL	<u>Nikhil</u>
21K95A0223	JELLA CHANDU	<u>Chandru</u>
21K95A0224	JORIGALA SRIWIN	<u>Sriwin</u>
21K95A0225	K PRASHANTH	<u>Prashanth</u>
21K95A0226	K SHEKAR RAO	<u>K.S.R.</u>

Dr. P.
HOD

Head of the Department
Electrical & Electronics Engineering
TKR College of Engineering & Technology
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Medbowli, Meerpet, Hyderabad-97.

[Signature]
PRINCIPAL

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TKR COLLEGE OF ENGINEERING & TECHNOLOGY (K9)

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B.TECH III YEAR VI SEM (EEE-B) STUDENTS**CAREER GUIDANCE & HIGHER EDUCATION BY KC OVERSEAS**

ACADEMIC YEAR: 2022-23

Date: 10-04-2023

S.NO	ROLL.NO	STUDENT NAME	Signature
1	20K91A0242	MODALA KOTESHWAR RAO	M.R. Rao
2	20K91A0244	MOTAPALUKULA TEJASHWINI	M. Tejashwini
3	20K91A0246	MUNAVATH THARUN	M. Tharun
4	20K91A0247	MUSKU SAI DEEPAK REDDY	M.S. Sai
5	20K91A0248	NAKKA THARUN	N. THARUN
6	20K91A0249	NARIGE AJENDER	Ajender
7	20K91A0250	NIMMALABOINA CHARAN	N. Charan
8	20K91A0251	NIRBHAY KUMAR	NIRBHAY KUMAR
9	20K91A0252	PADALA GIRI PRANAY	Pillprinay
10	20K91A0253	PALTHYA GANESH	Ganesh P.
11	20K91A0254	PERURI ANUSHA	ANUSHA
12	20K91A0255	POLISSETTY PALLAVI	P. Pallavi
13	20K91A0256	PUDARI ANJALI	P. Anjali
14	20K91A0257	RATLAVATH NAVEEN KUMAR	P. Naveen
15	20K91A0258	ROHITH YADAV	ROHITH
16	20K91A0259	SAI SUKEERTH ANNADATA	Sai Sukeerth
17	20K91A0260	SAI TEJA GOUD SAMA	Sai
18	20K91A0261	SAMA GOWTHAM REDDY	Gowthamreddy
19	20K91A0262	SAMA SAINATH REDDY	Sama Reddy
20	20K91A0263	SANDAKURI SHIVA KUMAR	Shiva Kumar
21	20K91A0264	SAPAVAT THILAK TEJA	Teja
22	20K91A0266	TEJAVATH HITESH TEJA	Hitesh
23	20K91A0267	THADAKA SAI PRANEETH GOUD	T. Goud
24	20K91A0268	THOKALA SAI VARDHAN REDDY	Sai
25	20K91A0269	THOTA PREM KUMAR	T.H. Kumar
26	20K91A0270	UBBANI BHARATH	U. BHARATH
27	20K91A0271	YALAMADDI NAVEEN	Y. Naveen
28	20K91A0272	MALAVATH SACHIN NAYAK	M. Sachin Nayak
29	21K95A0227	K SIDDHARATHA ROY	K. Siddharatha
30	21K95A0228	K SUSHMITHA	K. sushmitha
31	21K95A0229	KETHAVATH OMKAR	K. Omkar

32	21K95A0230	KOMMETA VEENA	P. Uand
33	21K95A0231	KOPPULA MALLIKARJUN	K. mallikarjun
34	21K95A0232	KUNTOLLA ARUN KUMAR	K. Arun Kumar
35	21K95A0233	M BHANU PRAKASH	M. B Prakash
36	21K95A0234	M CHANDRA SHEKAR SAI KUMAR	m-chandra shekar Sai
37	21K95A0235	M SINDHUJA	Sindhu
38	21K95A0236	MADISHETTY ABHISHEK	M. Abhishek
39	21K95A0237	MARUPAKA SAI RAM	M. Sai Ram
40	21K95A0238	N SHARAT CHANDRA	N. S. chand
41	21K95A0239	N VAMSHI KRISHNA	N. V.
42	21K95A0240	P CHAITANYA KUMAR	P. Chaitanya
43	21K95A0241	P PAVAN KALYAN	P. Pavan Kalyan
44	21K95A0242	P PRUDVI RAJ	P. Prudvi Raj
45	21K95A0243	P RAJENDHAR	P. Rajendhar
46	21K95A0244	P RAKESH	P. Rakesh
47	21K95A0245	P SAI REVANTH	P. Sai Revanth
48	21K95A0246	P SHAILESH	P. Shailesh
49	21K95A0247	PAKA SHIVA PRASAD	P. Shiva Prasad
50	21K95A0248	PEBBETI SAIRAM	P. Sairam
51	21K95A0249	S GOUTAM	S. Goutam
52	21K95A0250	S KALYANI	S. Kalyani
53	21K95A0251	S KAVYA SRI	S. Kavya Sri
54	21K95A0253	SAGE SUHAS VARDHAN	S. Suhas Vardhan
55	21K95A0254	SK ABEED	SK. Abeer
56	21K95A0255	THOORUGONDA VIJAY KUMAR	T. Vijay Kumar
57	21K95A0256	V ABHILASH	V. Abhilash
58	21K95A0257	V NITHYA SHARAN	V. Nithya Sharan
59	21K95A0258	V SANKET GOUD	V. Sanket Goud
60	21K95A0259	V SURESH	V. Suresh
61	21K95A0260	Y EASHWAR MANIKANTA	Y. Eashwar Manikanta

HOD

Head of the Department
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ACADEMIC YEAR: 2022-23

DATE: 10-04-2023

S.NO	ROLL.NO	STUDENT NAME	SIGNATURE
1	17K91A0230	G BHARATH (RA)	Bharath
2	17K91A0279	SWARNOJ SRIRACHAN(RA)	Srirachan
3	20K98A0201	GOLI SAI PRASHANTH (TR)	Prashanth
4	19K91A0201	ACHA ROOPA	Roopa
5	19K91A0202	AERUPULA SRAVANI	Sravani
6	19K91A0203	AKARAPU RAKESH	Rakesh
7	19K91A0204	ALUGUBELLI BHAVITHA	Bhavitha
8	19K91A0205	ALWALA MANASA	Manasa
9	19K91A0206	AVUDURTHI VISHNU SAI	Vishnu
10	19K91A0207	BADE ABHISHEK	Abhishek
11	19K91A0208	BANSUWADA DURGA PRASAD REDDY	Prasad Reddy
12	19K91A0209	BAYYA MOUNIKA	Mounika
13	19K91A0210	BIPIN KUMAR GUPTA	Bipin
14	19K91A0211	BODA SAI CHARAN	Charan
15	19K91A0212	BOJU BHAVYA SREE	Bhavya
16	19K91A0213	BOMMAKANTI MANI	Mani
17	19K91A0214	BOTLA MANOJ KUMAR	Manoj
18	19K91A0215	CHENNAKESHI MADHAVI	Santhosh
19	19K91A0216	CHETTIPELLY SRI LATHA	Srilatha
20	19K91A0217	CHITTI SANTHOSH	C. Santhosh
21	19K91A0218	DAMANURI AKHILA	D. AKHILA
22	19K91A0219	DESHABOINA SAI KUMAR	D. Lakshmi
23	19K91A0220	DESHAVATH LAXMAN	Laxman
24	19K91A0221	DUGGI VINAY	D. Vinay
25	19K91A0222	E YESHWANTH GOUD	E. Yeshwanth
26	19K91A0223	ENJAMURI SAI KUMAR	Sai Kumar
27	19K91A0224	G CHANDANA	G. Chandana
28	19K91A0225	GADDA SATHISH	Sathish
29	19K91A0226	GANAPATHI SNEHA	G. S. Sneha
30	19K91A0227	GANDU PAVAN	Pavan
31	19K91A0228	GHUGLOTH UGESH	G. U. Ugesh
32	19K91A0230	GUNTA PAVAN KUMAR	PAVAN KUMAR
33	19K91A0231	J BHARATH KUMAR	J. Bharath
34	19K91A0232	JAKKULA DINESH	Dinesh

5	19K91A0233	JATOTH ARUN PRASAD	Arun prasad
36	19K91A0234	K PRASAD	K Prasad
37	19K91A0235	KAATE BHAVISHYA	Kaate
38	19K91A0236	KADARU SUMAN	Suman
39	19K91A0237	KANNEBOINA SURESH	Suresh
40	19K91A0238	KATTA SAI VIDAY	Katta sai
41	19K91A0239	KONAKANCHI SRINADH	Srinadh
42	19K91A0240	KRANTHI KUMAR KORI	Kranthi
43	19K91A0241	KUKKADAPU VINOD KUMAR	K. Vinod
44	19K91A0243	M BHAVANI	BHAVANI
45	19K91A0244	MADDU SADHVIKA	Sadhvika
46	19K91A0245	MALLIKANTI SUBHASH	Subhash
47	20K95A0201	ANGULURI NAGA VENKATA Koushik	Koushik
48	20K95A0202	ANKIT ASTHANA	Ankit
49	20K95A0203	ARUTLA RAHUL	A. Rahul
50	20K95A0204	BALLE RISHWANTH	Rishwanth
51	20K95A0205	BANDA SAI KUMAR	Sai
52	20K95A0206	BANDARI KRANTHI KUMAR	Kranthi Kumar
53	20K95A0207	BINGILI KALYANI	Kalyani
54	20K95A0208	BUDDE SHASHANK	Shashank
55	20K95A0209	CHENNABOINA MANIKANTA	Manikanta
56	20K95A0210	DESHAVATH JAGADEESH CHOWHAN	Chowhan
57	20K95A0211	ESLAVATH SHRUTHI	Shruthi
58	20K95A0212	GUGULOTH VIJAY KUMAR	Vijay Kumar
59	20K95A0213	GUNDA SAI PRANAY	Sai P
60	20K95A0214	KADARI ASHOK	Ashok...
61	20K95A0215	KAMLEKAR SHASHI KAMALJI	Kamralji
62	20K95A0216	KANNAM RAJENDRAPRASAD	Rajendraprasad
63	20K95A0217	KARNEKOTA SAI TEJA	Sai Teja
64	20K95A0218	KOSURI KESHAVA SAI VARDHAN	Vardhan
65	20K95A0219	KOTAGIRI SWATHI	Swathi
66	20K95A0220	KOTAKADI VARSHA	Varsha


HOD

Head of the Department
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B.TECH IV YEAR VIII SEM (EEE-B) STUDENTS**CAREER GUIDANCE & HIGHER EDUCATION BY KC OVERSEAS**

ACADEMIC YEAR: 2022-23

DATE: 10-04-2023

S.NO	ROLL.NO	STUDENT NAME	SIGNATURE
1	19K91A0246	MALOTH RAVI	Ravi
2	19K91A0247	MAROJU JASHWANTH	Jashwanth
3	19K91A0248	MAROJU RAMYA	m. Ramya
4	19K91A0249	MOHAMMED AQIB	Aqib
5	19K91A0250	MOHAMMED PARVEEN	MYAKALA SOUMYA
6	19K91A0251	MYAKALA SOUMYA	Soumya
7	19K91A0252	MYNAM PATI NAVYA SVI	(Nil)
8	19K91A0253	NALABOLU SUSHMA	N. Sushma
9	19K91A0254	NALLAPATI PAVAN	Pavan
10	19K91A0255	NALLOLU SATISH REDDY	Satish reddy.
11	19K91A0256	NANAVALA PRAVALIKA	Pravalika
12	19K91A0257	NANDIPATI NAVEEN	Naveen.
13	19K91A0258	NARRA SUPRAJA	Narra Supraja
14	19K91A0259	NENAVATH BHANU PRASAD	Pranav Prasad.
15	19K91A0260	NENAVATH HEMANTH	Hemant.
16	19K91A0261	OGIRALA SONY MADHUMITHA	Sony.
17	19K91A0262	P PRATHYUSHA	P. PRATHYUSHA
18	19K91A0263	PADALA SATYA GANGA VARA LAXMI	Varalakshmi
19	19K91A0264	POGULA SWETHA	Swetha.
20	19K91A0265	POLOJU KAVYA	Kavya
21	19K91A0266	PUDHARI SAI TEJA	Saiteja
22	19K91A0268	RANGOJU KALYAN	Kalyan
23	19K91A0269	RUPAVATH RAJKUMAR	raji kumar.
24	19K91A0270	SAPAVATH SRINIVAS	Srinivas
25	19K91A0271	SHAIK FAZIL BABA	FAZIL BABA
26	19K91A0272	SHAIK NASEER	Naseer
27	19K91A0273	SRIRAM VIVEK	Vivek
28	19K91A0274	THANGA RAJU SUPRIYA	T. Raja Supriya
29	19K91A0275	THANGELLAPALLY AKHIL KUMAR	Akhil
30	19K91A0276	THIRAMDAS VINAY	vinay.

	19K91A0277	THOTA SAINADH	T. Sainadh
32	19K91A0278	THUMMA VIVEK	Vivek
33	19K91A0279	V KESHAVI	Keshavi
34	19K91A0280	VADITHYA DINESH NAIK	Vadithya
35	19K91A0281	VADITHYA RAHUL JADHAV	Rahul
36	19K91A0283	VALLURI SRIJA	Valluri
37	19K91A0284	VANGURI YOGI BABU	Yogi
38	19K91A0285	VASA VINAY	Vinay
39	19K91A0286	VEMURI CHARITHA	Charitha
40	19K91A0287	YERUVA POOJA	Y. Pooja
41	19K91A0288	THUPIKAR HARISH	Harish
42	20K95A0221	KURUVA MADDILETI	Kuruva
43	20K95A0222	M SHIVA HARI KRISHNA	Hari
44	20K95A0223	MADHIRA UMAMAHESWARA REDDY	Uma
45	20K95A0224	MARATI MOUNISH KUMAR	Mounish Kumar
46	20K95A0225	MAREPALLY SRUTHIESHWARA SRI	Srey
47	20K95A0226	MUCHARLA SATWIK	Satwik
48	20K95A0227	NIMMATHI ABHILASH	Nimma
49	20K95A0228	PAMPANA AVINASH KUMAR	Avinash
50	20K95A0229	PAYAM NITHYA SREE	P. Nithya sree
51	20K95A0230	POLAGONI SAI NIKHIL	Sai Nikhil
52	20K95A0231	R BHUVANESHWAR REDDY	Anshwar reddy
53	20K95A0232	RALLABANDI ABHINAV KUMAR	Abhinav
54	20K95A0233	RAPOLU HARISH KUMAR	Harish.
55	20K95A0234	SAMPANGI JAGADISH	Jagadish
56	20K95A0235	SARANGULA MAHESHWARI	Maha
57	20K95A0236	SHAIK MUSKAN	Shaik muskan
58	20K95A0237	SHAIK SHOAB	Sey
59	20K95A0238	THANGALLAPELLI NIKHIL	Nikhil
60	20K95A0239	THIRAMDAS SRILEKHA	Srilekha.
61	20K95A0240	VADDE VARA PRASAD	Vadde
62	20K95A0241	VANCHA ASHWITHA	V. Ashwitha


HOD

Head of the Department
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PRINCIPAL

Principal
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**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
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DEPARTMENT OF INFORMATION TECHNOLOGY

A.Y. 2022-23

3.3.2 Details of Workshops/Seminars conducted on Intellectual Property Rights (IPR), Research Methodology, Entrepreneurship and Skill Development during the year 2022-23

Name of the Workshop/ Seminar	Number of Participants	Date (From - To)	Link to the Workshop/Seminar report on the website
Entrepreneurship & Innovation	140	22-Oct-22	
IoT and its Applications	135	12-13 September-2022	

Head Dep of Information Technology
TKR College of Engineering & Technology
Medbowli, Meerpet, Hyderabad- 500097 -TS.

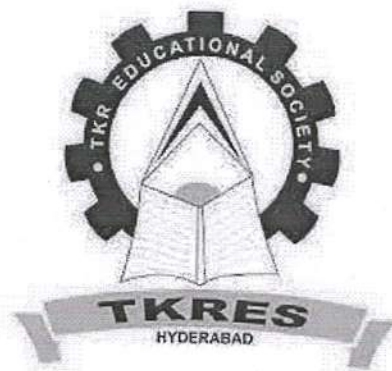
Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



A TWO-DAY WORKSHOP
ON
IOT AND ITS APPLICATIONS

On

12TH AND 13TH SEPTEMBER 2022



ORGANIZED BY
THE DEPARTMENT OF INFORMATION TECHNOLOGY
TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
AUTONOMOUS

Approved By AICTE, Affiliated to JNTUH, NAAC With 'A' Grade

About the Workshop:

The Objective of this IoT workshop is to impart working knowledge in Internet of Things to all out students to train them as per with the requirement of the Nation to become Technocrats in IoT technology. Students are motivated to implement their innovative ideas into a prototype using Raspberry Pi and process the data collected from various sensors in the cloud for automation. Periodically, renowned experts from the industry and academia will be invited to present on emerging trends in IoT. The global behind the IoT is to have devices that self-report on real-time, improving efficiency and bringing important information to the surface more quickly than a system depending on human intervention.



TKR COLLEGE OF ENGINEERING & TECHNOLOGY (K9)
Autonomous, Accredited by NBA and NAAC with "A" Grade
Meerpet, Hyderabad, Balapur Mandal, R.R. Dist, Hyderabad, Telangana



**A TWO DAY WORKSHOP ON
"INTERNET OF THINGS &
ITS APPLICATIONS"**

ON
12-9-2022 & 13-09-2022 from 10.00 AM TO 4.30 PM
VENUE : SEMINAR HALL OF IT DEPARTMENT

Organized by :
Department of Information Technology

SPEAKER
Dr. K. Raghava Rao
Professor of CSE
KL UNIVERSITY

Dr. N. SATYANARAYANA
HOD DEPARTMENT OF INFORMATION TECHNOLOGY

Dr. A. SURESH RAO
VICE PRINCIPAL & DEAN ACADEMIC

Dr. D.V. RAVISHANKAR
PRINCIPAL

Resource Person

Dr.K.Raghava Rao
M.Tech.,MBA., PhD(CSE)
Professor in CSE and Head-KL Intellectual Patent Facilitation Center,
Center for Innovation,Incubation and Entrepreneurship
KL University.

Date and Venue:

The Workshop is conducted on 12th September 2022 in the Seminar Hall of Department of Information Technology.

Beneficiaries:

Students and Faculty members from Information Technology, Computer Science and Engineering, AI/ML, Data Science.

The workshop with the active participation :**135 members**

Day 1:

Course Content Covered in Workshop

Introduction of Internet of Things (IoT)

IoT Architecture

IoT Protocols

IoT Hardware,Sensors,Embedded Systems

IoT Platform Tools

IoT Communicating with web-based services

Cloud Data Login and Data Visualization

Day 2:

Data Extraction from Sensors

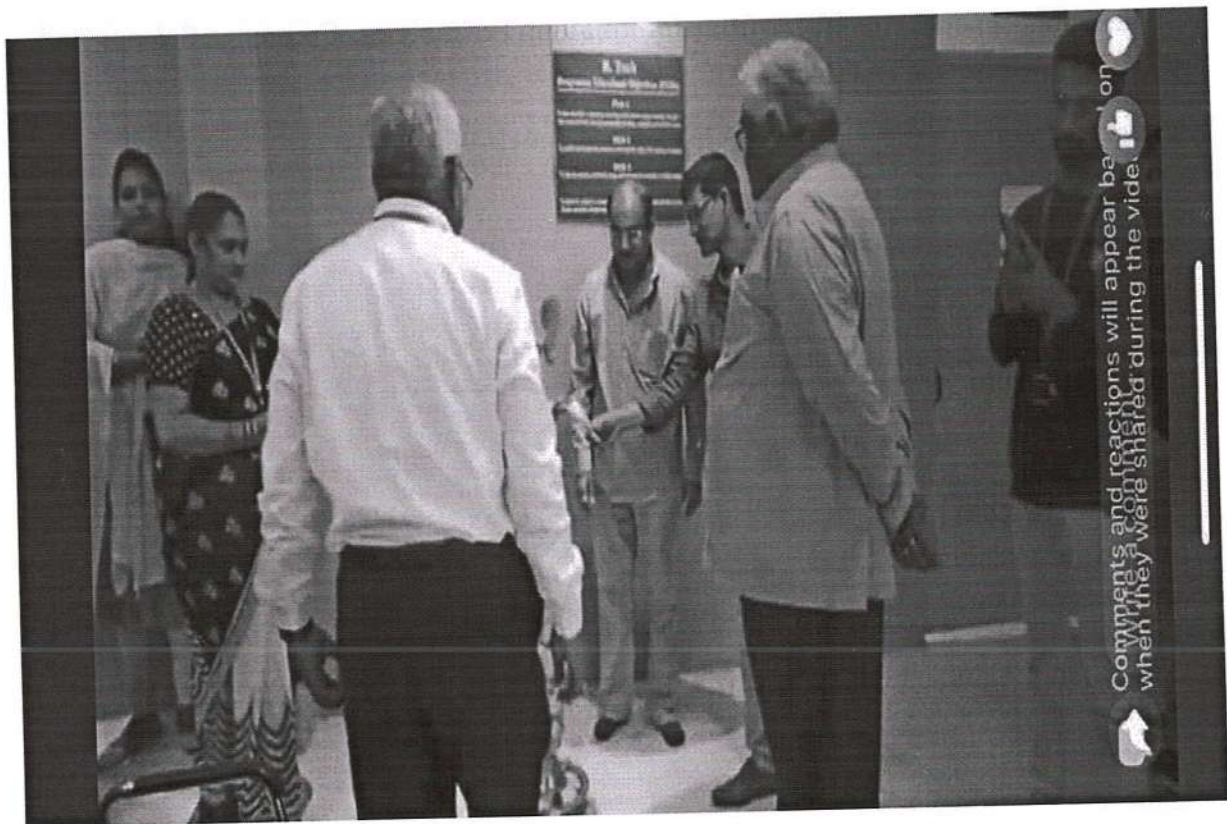
Cloud Registration on ThingSpeak

Smart Garden

Smart Door Alert
Comfort Monitoring
Fault Detection
Smart Gas Alert

Welcome and Inauguration

The programme commenced with Lighting the lamp by the Dr.D.V. Ravi Shankar Garu, Dr.A. Suresh Rao Garu, Dr. Raghava Rao, Dr.N. Satyanarayana. The Faculty and Student Coordinators also participated.



The Prayer song



A Message from Principal Sir to the Workshop Participants



Students have to involve in projects with innovations as they are helpful for their career. Projects should not be seen as a part of curriculum but they are practical application of our BTech knowledge. With new ideas, extension optimization for existing projects students can build their carrer from college level itself. For new innovations KLU facilitated with 'Patent Facilitation Center' students can get their patent to their projects which leads upto start up entrepreneurship. Having a patent right is not only useful for professional career but also has important role in abroad post-graduation. For a student of TKRCET had a chance to innovate a new thing as college is maintaining a healthy relation with KLU which will easy for patents.

Resource Person






Outcomes from Workshop:

- Know about interaction with sensors
- Able to create and interact with Thingspeak (creating channel)
- Able to connect IOT Boards to Cloud
- Data Visualization in Thingspeak
- How to extract data from Thingspeak after creating channels

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY
TWO DAY WORKSHOP
INTERNET OF THINGS AND ITS APPLICATIONS

Resource person

Dr. K. Raghava Rao 
 Professor in CSE
 KL University, Vijayawada, AP.

Date: 12.09.2022

S.No	ROLL NO	NAME OF THE STUDENT	DEPARTMENT	SIGNATURE
1.	20K91A05F8	R. Rajini Vijetta	CSE	R. Rajini Vijetta
2.	20K91A05D2	P. Varishtha	CSE	Varishtha
3.	20K91A05D4	P. Deepanjali	CSE	P. Deepanjali
4.	20K91A05LD	Y. Saija	CSE	Y. Saija
5.	20K91A1250	R. Naga Thema	IT	R. Naga Thema
6.	20K91A1235	K. Pravalika	IT	Pravalika
7.	20K91A1247	P. Rithika	IT	Rithika
8.	21K95A1201	G. Bhavani	IT	G. Bhavani
9.	20K91A1227	K. Sudhasani	IT	Sudhasani
10.	20K91A1255	S. Preethi	IT	S. Preethi
11.	20K91A1242	N. Harathi	IT	N. Harathi
12.	20K91A1216	D. Deepthi	IT	Deepthi
13.	20K91A1223	J. Mayuri	IT	Mayuri
14.	20K91A1205	B. Shrami chander	IT	B. Shrami chander
15.	20K91A1202	A. Sri Mythee	IT	A. Sri Mythee
16.	20K91A1214	D. Priyadarshini	IT	D. Priyadarshini
17.	20K91A1234	K. Sai Thonvi	IT	K. Sai Thonvi
18.	20K91A1210	Ch. Bhavani	IT	Ch. Bhavani
19.	21K95A1206	Y. Poojitha	IT	Poojitha
20.	20K91A1248	P. Gracia	IT	P. Gracia
21.	20K91A1219	E. Sharath chandruka	IT	E. Sharath chandruka
22.	20K91A1228	K. Preethi Reddy	IT	K. Preethi Reddy
23.	20K91A1230	K. Akshatha	IT	K. Akshatha
24.	20K91A0566	J. Sai Deekshita	CSE	J. Sai Deekshita

S.No	ROLL NO	NAME OF THE STUDENT	DEPARTMENT	SIGNATURE
25	20K91A05C7	N. Sanjana	CSE	N. Sanjana
26	20K91A05B3	Md. Lalbee	CSE	Md. Lalbee
27	20K91A05F2	R. Gayathri	CSE	Gayathri
28	20K91A05E6	P. Pujitha	CSE	Pujitha
29	20K91A05231	K. Umila	IT	Umila
30	20K91A05253	Sk. Mehataj	IT	Sk. Mehataj
31	20K91A05M0	M. Shreya	CSE-D	Shreya
32	20K91A05G7	S. Shreya	CSE-D	Shreya
33	20K91A05L5	G. Harshini	CSE-D	G. Harshini
34	20K91A05J5	T. Jhansi	CSE-D	T. Jhansi
35	21K95A0536	S. Suchitha	CSE-D	S. Suchitha
36	21K95A0541	Y. Akhila	CSE-D	Y. Akhila
37	21K95A0540	V. Prasanna	CSE-D	V. Prasanna
38	21K95A0537	S. Sowjanya	CSE-D	Sowjanya
39	21K95A0533	R. Karishma	CSE-D	Karishma
40	20K91A05L4	M. Nandini	CSE-D	Nandini
41	20K91A05J3	T. Bhargavi	CSE-D	Bhargavi
42	20K91A05K9	Y. Chandana	CSE-D	Chandana
43	20K91A05J1	S. Shravya	CSE-D	Shravya
44	20K91A05K0	V. Bhavana	CSE-D	Bhavana
45	20K91A05L7	S. Chaya devi	CSE-D	Chaya
46	20K91A05N4	S. Tejasri	CSE-D	Tejasri
47	20K91A05K2	V. Shirisha	CSE-D	Shirisha
48	20K91A05J2	S. Sanjana Reddy	CSE-D	Sanjana
49	20K91A05J0	S. Keerthana Reddy	CSE-D	Keerthana
50	20K91A05F7	K. Mounika	CSE-B	K. Mounika
51	20K91A05A3	M. Deepika	CSE-B	M. Deepika
52	20K91A05A9	M. Durga Bhavani	CSE-B	Durga
53	20K91A05J7	U. Vishwa charan	CSE-D	Vishwa

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY
TWO DAY WORKSHOP
INTERNET OF THINGS AND ITS APPLICATIONS

Resource person

Dr. K. Raghava Rao
 Professor in CSE
 KL University, Vijayawada, AP.



Date: 12.09.2022

S.No	ROLL NO	NAME OF THE STUDENT	DEPARTMENT	SIGNATURE
1	20K91A05G0	S. Saisanthosh Reddy	CSE	S. Reddy
2	21K95A0530	P. Anurag	CSE	P. Anurag
3	21K95A0520	M. Ravindar	CSE	M. Ravindar
4	20K91A05B4	MD. Shahbasha	CSE	MD. Shahbasha
5	20K91A05B6	Md. Nayeem	CSE	Nayeem
6	20K91A05B1	MD. MUSTAFA	CSE	Mustafa
7	20K91A1213	D. Vikas	IT	D. Vikas
8	20K91A1239	M. Sanju Sandesh	IT	Sanju
9	20K91A1250	S. Sai Charan	IT	Sai Charan
10	21K95A0524	Md. Shakeel Ahmad Khan	CSE	Md. Shakeel
11	20K91A1259	V. Manidheep Reddy	IT	Manidheep
12	20K91A05G4	SK. Emam	CSE	Emam
13	20K91A05G5	SK. Sameer	CSE	Sameer
14	20K91A05B2	MD. Gafoor	CSE	Gafoor
15	20K91A05K1	V. Sanketh	CSE	Sanketh
16	20K91A05P2	V. Naveen Babu	CSE	Naveen
17	21K95A0531	P. Niharik	CSE	Niharika
18	21K95A0527	N. Rakesh	CSE	N. Rakesh
19	21K95A0521	M. Chandana Kiran	CSE	Chandana
20	20K91A05E0	P. Vivek Reddy	CSE	Vivek
21	20K91A1246	P. Nandha Kishor	IT	Nandha
22	20K91A05D7	P. Viraj Kumar	CSE	Viraj
23	20K91A1233	K. Gautham Prabhas	IT	Gautham
24	20K91A1221	G. Praneeb	IT	Praneeb

S.No	ROLL NO	NAME OF THE STUDENT	DEPARTMENT	SIGNATURE
25	20K91A1251	S. Chennakeshava	IT	S. Chennakeshava
26	20K91A1236	m. dhirakash	IT	dhirakash
27	21K95A1204	M. GANESH	IT	M. Ganesh
28	20K91A1206	B. Tarun naik	IT	B. Tarun naik
29	20K91A1257	T. Srujan	IT	T. Srujan
30	20K91A1225	K. Vishnu Teja	IT	Vishnu Teja
31	20K91A1204	B. Sainagateja	IT	Sainagateja
32	20K91A1245	P. Pavan Kumar	T.T	P. Pavan Kumar
33	20K91A1238	M. BHANU PRAKASH REDDY	T.T	M. Bhanu Prakash Reddy
34	20K91A1212	Ch. Sai Charan Reddy	IT	Ch. Sai Charan Reddy
35	19K91A1243	Syed Basith Ali	IT	Syed Basith Ali
36	19K91A1245	T. Sai Kiran Singh	IT	T. Sai Kiran Singh
37	19K91A1239	S. malleesh	IT	S. malleesh
38	19K91A1251	J. Venkata Tejeswar Reddy	IT	J. Venkata Tejeswar Reddy
39	19K91A1214	E. Mahesh sai	IT	E. Mahesh sai
40	20K95A1204	A. Manoj	IT	A. Manoj
41	20K91A1254	S. Nikhil	IT	S. Nikhil
42	20K91A1258	V. Rahul	IT	V. Rahul
43	20K91A1224	K. Rohan Raj	IT	K. Rohan Raj
44	20K91A1244	P. Ashish	IT	P. Ashish
45	20K91A1243	N. D. Dushendra	IT	N. D. Dushendra
46	20K91A05N1	M. Ganesh	CSE	M. Ganesh
47	20K91A05M4	M. Paudhuri Teja	CSE	M. Paudhuri Teja
48	21K95A0538	V. Bal Raj	CSE	V. Bal Raj
49	20K91A1232	K. Sai Kiran	IT	K. Sai Kiran
50	20K91A1203	MD. ABDUL Awan	IT	MD. ABDUL Awan
51	20K91A1201	Abdul Abeer	IT	Abdul Abeer
52	20K91A1252	S. Pranay	IT	S. Pranay
53	21K9A0532	P. Goutham	CSE	P. Goutham
54	21K9A0535	S. Teja	CSE	S. Teja
55	20K91A05J8	V. Rushindra	CSE	V. Rushindra
56	20K91A05K7	V. Aravind	CSE	V. Aravind

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY
TWO DAY WORKSHOP
INTERNET OF THINGS AND ITS APPLICATIONS

Resource person

Date: 13.09.2022

1) Dr. D. Kalyan
 Associate Professor in CSE
 KL University, Vijayawada, AP.

2) Dr. R. Muruganatham
 Professor in IT
 TKRCET

S.No	ROLL NO	NAME OF THE STUDENT	DEPARTMENT	SIGNATURE
1.	20K91A05F8	R. Rajni Vijetha	CSE	R. Rajni Vij.
2.	20K91A05D2	P. Uvashiltha	CSE	Uvashiltha
3.	20K91A05D4	P. Deepanjali	CSE	P. Deepanjali
4.	20K91A05L0	Y. Saija	CSE	Y. Saija
5.	20K91A1250	Naga Hema R	IT	Naga Hema R
6.	20K91A1235	K. Pravalika	IT	Pravalika
7.	20K91A1247	P. Rithika	IT	P. Rithika
8.	21K95A1201	G. Bhavani	IT	G. Bhavani
9.	20K91A1227	K. Sudhasani	IT	Sudhasani
10.	20K91A1255	S. Preethi	IT	S. Preethi
11.	20K91A1242	N. Harathi	IT	Harathi
12.	20K91A1216	O. Deepthi	IT	Deepthi
13.	20K91A1223	T. Mayuri	IT	Mayuri
14.	20K91A1205	B. Shevanichander	IT	B. Shevanichander
15.	20K91A1202	A. Sri Mythai	IT	Mythai
16.	20K91A1214	D. Priya Deepshini	IT	Priya
17.	20K91A1234	K. Sai Thanvi	IT	Sai Thanvi
18.	20K91A1210	Ch. Bhavani	IT	Bhavani
19.	21K95A1206	Y. Poojitha	IT	Poojitha
20.	20K91A1248	P. Gracia	IT	Gracia
21.	20K91A1219	E. Shwath chandsika	IT	Shwath chandsika
22.	K20K91A1228	K. Preethi Reddy	IT	K. Preethi Reddy

S.No	ROLL NO	NAME OF THE STUDENT	DEPARTMENT	SIGNATURE
23	20K91A1230	K. Akshatha	IT	K. Akshatha
24	20K91A0566	J. Sai Deekshita	CSE-B	J. Sai Deekshita
25	20K91A05C7	N. Sanjana	CSE	N. Sanjana
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27	20K91A05F2	R. Gayathri	CSE	R. Gayathri
28	20K91A05EG	P. Pujitha	CSE	P. Pujitha
29	20K91A1231	K. Omiga	IT	K. Omiga
30	20K91A1253	Sk. Mahataj	IT	Sk. Mahataj
31	20K91A05L5	G. Harshini	CSE-D	G. Harshini
32	20K91A05M0	M. Shreeya	CSE	M. Shreeya
33	20K91A05G7	S. Shreya	CSE	S. Shreya
34	20K91A05J5	T. Jharisi	CSE-D	T. Jharisi
35	21K95A0536	S. Suchitha	CSE-D	S. Suchitha
36	21K95A0541	Y. Akhila	CSE-D	Y. Akhila
37	21K95A0540	V. Prasanna	CSE-D	V. Prasanna
38	21K95A0537	S. Soujanya	CSE-D	S. Soujanya
39	21K95A0533	R. Karishma	CSE-D	R. Karishma
40	20K91A05L4	M. Nandini	CSE-D	M. Nandini
41	20K91A05J3	T. Bhargavi	CSE-D	T. Bhargavi
42	20K91A05K9	Y. Chandana	CSE-D	Y. Chandana
43	20K91A05J1	S. Shravya	CSE-D	S. Shravya
44	20K91A05K0	V. Bhavana	CSE-D	V. Bhavana
45	20K91A05L7	S. Chaga devi	CSE-D	S. Chaga devi
46	20K91A05N4	S. Tejasri	CSE-D	S. Tejasri
47	20K91A05K2	V. Shirisha	CSE-D	V. Shirisha
48	20K91A05A3	M. Deepika	CSE-B	M. Deepika
49	20K91A05J2	S. Sanjana Reddy	CSE-D	S. Sanjana Reddy
50	20K91A05J0	S. Keerthana Reddy	CSE-D	S. Keerthana Reddy
51	20K91A05A9	M. Durga Bhavani	CSE-B	M. Durga Bhavani
52	20K91A0577	K. Mounika	CSE-B	K. Mounika

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY
TWO DAY WORKSHOP
INTERNET OF THINGS AND ITS APPLICATIONS

Resource person

Date: 13.09.2022

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 Associate Professor in CSE
 KL University, Vijayawada, AP.

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 TKRCET

S.No	ROLL NO	NAME OF THE STUDENT	DEPARTMENT	SIGNATURE
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2	21K95A0530	P. Anurag	CSE	<i>P. Anurag</i>
3	21K95A0520	M. Ravi	CSE	<i>M. Ravi</i>
4	20K91A05B4	MD. Shahbash	CSE	<i>MD. Shahbash</i>
5	20K91A05B6	Md. Nayeem	CSE	<i>Nayeem</i>
6	20K91A05B1	MD. MUSTAFA	CSE	<i>Mustafa</i>
7	20K91A1213	D. Vikas	IT	<i>D. Vikas</i>
8	20K91A1239	M. Sanju Sandesh	IT	<i>Sanju</i>
9	20K91A1256	S. Sai Charan	IT	<i>Sai Charan</i>
10	21K95A0524	Md. shakeel Ahamed Khan	CSE	<i>Md. shakeel S</i>
11	20K91A1259	V. Manideep reddy	IT	<i>Manideep</i>
12	20K91A05G4	SK. Anam	CSE	<i>Anam</i>
13	20K91A05G5	SK. Sameer	CSE	<i>Sameer</i>
14	20K91A05B2	MD. Gafoor	CSE	<i>Gafoor</i>
15	20K91A05K1	V. sanketh	CSE	<i>sanketh</i>
16	20K91A05P2	V. Naveen babu	CSE	<i>Naveen</i>
17	21K95A0531	P. Nihank	CSE	<i>P. Nihank</i>
18	21K95A0527	N. Rakesh	CSE	<i>N. Rakesh</i>
19	21K95A0521	M. Chandra Kiran	CSE	<i>Chandra Kiran</i>
20	20K91A05E0	P. Vivek Reddy	CSE	<i>Vivek Reddy</i>
21	20K91A1246	P. Nandhakrishor	IT	<i>Nandhakrishor</i>
22	20K91A05D7	P. Vinay Kumar	CSE	<i>P. Vinay</i>

S.No	ROLL NO	NAME OF THE STUDENT	DEPARTMENT	SIGNATURE
23	20K91A1233	K. Gautham Prabhas	IT	Gautham
24	20K91A1221	G. Praneeth	IT	Praneeth
25	20K91A1251	S. Chennakeshava	IT	S. Chennakeshava
26	20K91A1236	M. Dinakar	IT	Dinakar
27	21K95A1204	M. Ganesh	IT	M. Ganesh
28	20K91A1206	B. Tarun Naik	IT	B. Tarun Naik
29	20K91A1257	T. Srujan	IT	T. Srujan
30	20K91A1225	K. Vishnu Teja	IT	Vishnu Teja
31	20K91A1204	B. Sainaga Teja	IT	Sainaga Teja
32	20K91A1245	P. Pavan Kumar	IT	P. Pavan Kumar
33	20K91A1238	M. BHANU PRAKASH REDDY	IT	M. BHANU PRAKASH REDDY
34	20K91A1262	Ch. Sai Charan Reddy	IT	Ch. Sai Charan Reddy
35	19K91A1243	Syed Basith Ali	IT	Syed Basith Ali
36	19K91A1245	T. Sai Kiran Singh	IT	T. Sai Kiran Singh
37	19K91A1239	Mallesha Sambu	IT	Mallesha Sambu
38	19K91A1257	J. Venkatesh Tejeswar Reddy	IT	J. Venkatesh Tejeswar Reddy
39	19K91A1214	E. Mahesh	IT	E. Mahesh
40	20K95A1204	A. Manoj	IT	A. Manoj
41	20K91A1254	S. Nikhil	IT	S. Nikhil
42	20K91A1258	S. Rahul	IT	S. Rahul
43	20K91A1243	N. Rishheendra	IT	N. Rishheendra
44	20K91A1244	P. Ashish	IT	P. Ashish
45	20K91A05N1	M. Ganesh Goud	CSE	M. Ganesh Goud
46	20K91A05M4	M. Prudhvi Teja	CSE	M. Prudhvi Teja
47	21K95A0535	S. Teja	VCSE	S. Teja
48	21K95A0532	P. Goutham	CSE	P. Goutham
49	21K95A0538	V. Balraj	CSE	V. Balraj
50	20K91A05J8	V. Rushindra	CSE	V. Rushindra
51	20K91A05K07	V. Aravind	CSE	V. Aravind
52	20K91A05K6	V. Pragnan	CSE	V. Pragnan
53	20K91A05J6	U. Venkat Rao	CSE	U. Venkat Rao
54	20K91A05J7	U. Vishwa Charan	CSE	U. Vishwa Charan

Sl. No	Roll No.	Name of the Student	SIGNATURE
01	22K91A1241	G. Aswin	Aswin
02	22K91A1221	R. Venu Kumar	Venu
03	23K95A1202	G. Abhilash	Abhilash
04	22K91A1264	K. Charan	Charan
05	22K91A1245	G. Shiva	Shiva
06	22K91A1259	K. Rathnalar Reddy	Rathnalar
07	22K91A1222	CH. UGANADEEP	Cyanadeep
08	22K91A1249	A. Abhishek	Abhishek
09	22K91A1226	Ch. Sudeep	Sudeep
10	22K91A1232	D. Sai Prakash Reddy	D. Sai
11	22K91A1240	G. Thirishui	Thirishui
12	22K91A1201	Nithin Reddy	Nithin
13	22K91A1257	AnjanVivek	Anjan
14	22K91A1256	J. Laxman	Laxman
15	21K91A1222	G. Rahul	G. Rahul
16	21K91A1251	T. Sathya	Sathya
17	21K91A1263	Y. Harsha Vardhan	Y. Harsha
18	21K91A1216	C. Siddhartha	Siddhartha
19	23K95A1209	MD. JAWAD	JAWAD
20	23K95A1212	SK. Armeevodhin	Armeevodhin
21	22K91A1209	B. Nishanith	Nishanith
22	22K91A1290	M. Chandu	Chandu
23	22K91A12A2	P. Mahendar	Mahendar
24	22K95A1205	S. Raghunath Reddy	S. Raghunath
25	22K95A1207	Y. Koushik	Koushik
26	22K91A1202	A. Arvind	Arvind
27	22K91A1211	B. Sharath Kumar	B. Sharath
28	22K91A1228	D. Akshith	Akshith
29	23K95A1205	K. Madhu	Madhu
30	23K95A1203	G. Rahul Reddy	Rahul
31	22K95A1204	K. Gauth	Gauth
32	23K95A1201	D. Chandra Sai	Chandra Sai
33	22K91A12A6	P. Sai Kiran	Sai Kiran
34	22K91A12C8	Y. Ganesh	Ganesh
35	22K91A1254	J. Abhishek Reddy	Abhishek
36	21K91A1224	G. Rohith	G. Rohith
37	22K91A12A1	P. Sowmith	Sowmith
38	22K91A127U	K. Vignesh Reddy	Vignesh
39	22K91A1294	N. Vinayak Reddy	Vinayak



Invitation letter


3 messages

IT Department <it@tkrcet.com>

Tue, Oct 18, 2022 at 4:32 PM

To: charan@stumagz.com

Sir,
Please do kindly find the attachment of Invitation Letter.

 **ceo order1.docx**
23K

Sri Charan Lakkaraju <charan@stumagz.com>

Thu, Oct 20, 2022 at 6:59 AM

To: it@tkrcet.com

Thank you for the invitation

Looking forward to the same.

Regards



Sri Charan

Sri Charan Lakkaraju
C.E.O, stuMagz
Forbes 30Under30 | Mentor - AIM

----- On Tue, 18 Oct 2022 16:32:31 +0530 it@tkrcet.com wrote -----

[Quoted text hidden]

IT Department <it@tkrcet.com>

Thu, Oct 20, 2022 at 10:50 AM

Draft To: Sri Charan Lakkaraju <charan@stumagz.com>

[Quoted text hidden]

2 attachments



Sri Charan

1527493810668.png
354K

Sri Charan Lakkaraju
C.E.O, stuMagz
Forbes 30Under30 | Mentor - AIM






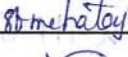
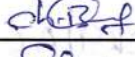


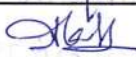
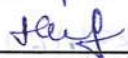




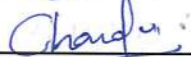


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354K

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
ONE DAY WORKSHOP
"Entrepreneurship and Innovation" as Career Opportunity

Resource person

Date: 22.10.2022

1) Sri Charan Lakkaraju
 C.E.O., stuMagz,
 Forbes 30Under 30 | Mentor - AIM

S.No	ROLL NO	NAME OF THE STUDENT	DEPARTMENT	SIGNATURE
1	19K91A1209	B. Nishitha	IT	
2	19K91A1247	T. Tejasri	IT	
3	19K91A1222	K. Sivi	IT	
4	19K91A1246	T. Hampi	IT	
5	20K91A1247	P. Ritika	IT	
6	20K91A1231	K. Umila	IT	
7	20K91A1253	Sk. mehatay	IT	
8	20K91A1210	oh. Bhavani	IT	
9	20K91A1219	E. Sharith chandrika	IT	
10	20K95A1201	G. Bhavani	IT	
11	20K91A1248	P. Gracia	IT	
12	20K91A1230	K. Akshatha	IT	
13	20K95A1206	Y. Rojitha	IT	
14	20K91A1216	D. Deepthi	IT	
15	20K91A1242	N. Harathi	IT	
16	20K91A1227	K. Sudha	IT	
17	20K91A1255	S. Preethi	IT	
18	20K91A1228	K. Preethi	IT	
19	20K91A1250	R. Naga Hema	IT	
20	19K91A1223	K. Rohini	IT	
21	19K91A1217	G. Sindhu	IT	
22	19K91A1249	V. Chandrika	IT	
23	19K91A1233	N. Nikhitha	IT	
24	19K91A1202	A. Uma	IT	

S.No	ROLL NO	NAME OF THE STUDENT	DEPARTMENT	SIGNATURE
25	18K91A1215	swathin.c	IT	
26	19K91A1205	A. Sreeja	IT	
27	19K91A1206	B. Pallani	IT	
28	20K91A6615	ch. sowmya	CSE(AI&ML)	
29	20K91A6636	P. vaishnavi	CSE(AI&ML)	
30	20K91A6610	chandralekha	CSE(AI&ML)	
31	20K91A6626	K. Harshini	CSE(AI&ML)	
32	20K91A6625	K. Yamini Reddy	CSE(AI&ML)	
33	20K91A6611	Ch. Sreekhitha	CSE(AI&ML)	
34	20K91A6613	ch. sreni	CSE(AI&ML)	
35	20K91A6623	k. sharmila	CSE(AI&ML)	
36	20K91A6629	K. Mahalakshmi	CSE(AI&ML)	
37	20K91A6616	G. Ashwin	CSE(AI&ML)	
38	20K91A6622	k. srivani	CSE(AI&ML)	
39	20K91A6602	B. sharanya	CSE(AI&ML)	
40	20K91A6731	P. Laxmi Priya	CSE(DS)	
41	20K91A6736	R. Rishika Reddy	CSE(DS)	
42	20K91A6718	K. Souabhya Reddy	CSE(DS)	
43	20K91A6750	V. Roopa Reddy	CSE(DS)	
44	20K91A6706	G. Neetha Reddy	CSE(DS)	
45	20K91A6732	P. Dindroja	CSE(DS)	
46	20K91A6725	M. Pawanji	CSE(DS)	
47	20K91A6648	V. Radhika	CSE(AI&ML)	
48	20K91A6720	K. Vishan naik	CSE(DS)	
49	20K91A6726	M. Sai	II	
50	20K91A6703	AYUSH	CSE(DS)	
51	20K91A6735	R. Santhosh	CSE(DS)	
52	20K91A6701	A. Manoj	CSE(DS)	
53	20K91A6737	G. SAI KUMAR	CSE(DS)	
54	20K91A6627	K. Kajishna	CSE(AI&ML)	
55				

S.No	ROLL NO	NAME OF THE STUDENT	DEPARTMENT	SIGNATURE
87	21K95A1202	E. Ranjith	IT	Ranjith
88	20K91A1256	S. Saicharan	IT	Saicharan
89	20K91A1224	K. Rohan Raj	IT	K. Rohan
90	20K91A1208	B. Soyal Goud	IT	B. Soyal
91	20K91A1233	K. Gautham Prabhas	IT	K. Gautham
92	20K91A1251	S. chenna keshava	IT	S. Chenna
93	20K91A1240	N. Vamsi?	IT	N. Vamsi?
94	20K91A1238	M. Bhanu prakash Reddy	IT	Bhanu
95	19K91A1230.	M. Ajay	IT	Ajay
96	19K91A1242.	K. Sree nath	IT	Sreenath
97	19K91A1216	G. Bharu	IT	Bharu.
98	2095A1204	manoj	IT	manoj
99	20K91A6617	Venu.	CSE(AIML)	Venu
100	20K91A6630	Adhi	CSE(AIML)	Adhi
101	20K91A6603	Rafesh	CSE(AIML)	Rafesh
102	20K91A6605	B. (Sandeep) Kumar	CSE(AIML)	Sandeep
103	20K91A6619	G. Raj Ganesh	CSE(AIML)	Raj Ganesh
104	20K91A6601	A. Poorneth	CSE(AIML)	Poorneth
105	20K91A6639	P. Sai Kumar	CSE(AIML)	Sai Kumar
106	20K91A6607	B. Datta sai	CSE(AIML)	B. Dattasai
107	20K91A6635	P. Vijay chary	CSE(AIML)	P. Vijay
108	20K91A6632	M. Asutosh Jayanth	CSE(AIML)	M. Asutosh
109	21K95A6601	A. Bhavani shankar	CSE(AIML)	Bhavani
110	20K91A6715	K. Durgabhis	CSE(DS)	Durgabhis
111	21K95A6704	K. Saaram	CSE(DS)	Saaram
112	20K91A6710	J. Naveen	CSE(DS)	Naveen
113	20K91A6707	A. Shiva charanreddy	CSE(DS)	Shiva
114	21K95A6708	N. Kasthik Reddy	CSE(DS)	N. Kasthik
115	21K95A6707	M. Saichandan	CSE(DS)	Saichandan
116	20K91A6746	M. Venu	CSE(DS)	M. Venu.
117	20K91A6730	P. Swamy	CSE(DS)	Swamy
118	20K91A6733	P. Pavan	CSE(DS)	Pavan
119	20K91A6713	P. Phaneendra	CSE(DS)	Phaneendra

S.No	ROLL NO	NAME OF THE STUDENT	DEPARTMENT	SIGNATURE
56	19K91A1221	K. Sai Prakash	IT	K. Sai Prakash
57	19K91A1222	M. Sai Kumar	IT	M. Sai Kumar
58	19K91A1208	B. Sridhar Reddy	IT	B. Sridhar Reddy
59	19K91A1210	Ch. Guna Shekhar Reddy	IT	Ch. Guna Shekhar Reddy
60	19K91A1214	E. Mahesh Sai	IT	E. Mahesh Sai
61	19K91A1257	J. Venkata tejahwar Reddy	IT	J. Venkata tejahwar Reddy
62	19K91A1243	Syed Basith Ali	IT	Syed Basith Ali
63	19K91A1245	T. Sai Kiran	IT	T. Sai Kiran
64	19K91A1239	S. Mallesh	IT	S. Mallesh
65	19K91A1236	P. Mahesh	IT	P. Mahesh
66	19K91A1234	N. Venkat Sai	IT	N. Venkat Sai
67	19K91A1244	T. Sriresh Goud	IT	T. Sriresh Goud
68	20K91A1215	D. Harshavardhan	IT	D. Harsha.
69	20K91A1220	G. Rishi	IT	G. Rishi
70	20K91A1226	K. Akshay	IT	K. Akshay
71	20K91A1221	G. Praneeeth	IT	G. Praneeeth
72	20K91A1246	P. Nandha kishor	IT	P. Nandha kishor
73	20K91A1257	T. Srujan	IT	T. Srujan
74	20K91A1206	B. Tarunmak	IT	B. Tarunmak
75	20K91A1204	B. Sainaga teja	IT	B. Sainaga teja
76	20K91A1254	S. Nikhil	IT	S. Nikhil
77	21K95A1204	M. Ganesh	IT	M. Ganesh
78	20K91A1252	S. Pranay Kumar	IT	S. Pranay Kumar
79	20K91A1232	K. Sai Kiran	IT	K. Sai Kiran
80	20K91A1245	D. Pachipala Pavan	IT	D. Pachipala Pavan
81	20K91A1212	Ch. Sai Charan	IT	Ch. Sai Charan
82	20K91A1259	V. Monideep reddy	IT	V. Monideep reddy
83	20K91A6729	N. Sai Kiran	CSE-DS	N. Sai Kiran
84	20K91A1239	M. Sanju Sandesh	IT	M. Sanju Sandesh
85	20K91A1213	D. Vikas	IT	D. Vikas
86	20K91A1211	C. Sai Charan	IT	C. Sai Charan

87) 20K91A6741 V. Vishnu Reddy CSE (DS) V. Vishnu Reddy

S.No	ROLL NO	NAME OF THE STUDENT	DEPARTMENT	SIGNATURE
118	19K91A1227	M. Akshara Reddy	IT	Akshara Reddy
119	19K91A1219	Harshita jha	IT	Harshita
120	19K91A1251	Vaushini reddy	IT	Vaushini
121	20K91A1202	A. Srimythri	IT	Srimythri
122	20K91A6707	G. Manvitha	CSD	Manvitha
123	20K91A6719	G. David Aaron	CSD	Daniel
124	21K95A0657	V. meghana	ECE	vmeghana
125	20K91A8713	Phanendra	CSE(DS)	Phanendra
126	20K91A6741	Nishnu Vaidhan Reddy	CSE(DS)	Nishnu
127	20K91A6733	Parvan	CSE(DS)	Parvan
128	20K91A6740	T. Rajesh Reddy	CSE(DS)	Rajesh Reddy
129	20K91A6704	B. Saketh	CSE(DS)	Saketh
130	20K91A6730	P. Swamy	CSE(DS)	Swamy
131	21K95A6706	K. Akhil Bai	CSE(DS)	Akhil
132	21K95A6710	Y. Santhosh	CSE(DS)	Santhosh
133	21K95A6705	K. Sai Kiran	CSE(DS)	K. Sai Kiran
134	20K91A6708	G. Nikhil Reddy	CSE(DS)	Nikhil
135	21K95A0403	A. Ravi Teja	ECE(A)	Ravi Teja
136	20K91A0444	E. SAGAR.	ECE(A)	Sagar
137	20K91A0412	B. SASHI KUMAR	ECE(A)	Sashikumara
138	21K95A0406	B.V.A. NEERAJ	ECE(A)	Neeraj
139	19K91A1220	J. JAGAN NAYAK	IT	Jagan Nayak
140	21K95A0440	M. Poojanth	ECE(C)	M. Poojanth
141				
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148				

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
ONE DAY WORKSHOP
"Entrepreneurship and Innovation" as Career Opportunity

Resource person

Date: 22.10.2022

1) Sri Charan Lakkaraju

C.E.O.,stuMagz,

Forbes 30Under 30 | Mentor - AIM

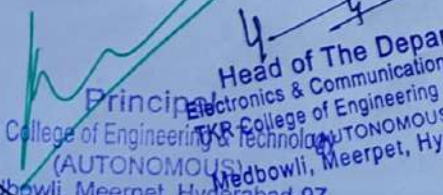
S.No	NAME OF THE ^{Student} FACULTY	DEPARTMENT	SIGNATURE
1	A. NIKHIL	ECE - A	Nikhil Lakkaraju
2	B. Chay Kumar	ECE - A	Chay
3	B. Veerababu	ECE - A	Veerababu
4	B. SRIKANTH	ECE - A	B. Srikanth
5	B. Anilkumar	ECE - A	B. Anilkumar
6	Adithya durgapu	ECE - A	Adithya
7	A. Shiva Shankar	ECE - A	A. Shiva
8	G.uttam pavan kumar	ECE - A	G.uttam
9	G. Rakesh	ECE - A	G. Rakesh
10	U. Sai Kumar	ECE - A	Sai Kumar
11	Aditya Varamasi	ECE - A	V. Aditya
12	B. Manohar Reddy	ECE - A	Mani
13	A. Surya Vamsi	ECE - A	AV
14	P. Ravankumar	IT	P.
15	K. Sai Kiran	IT	K. Sai Kiran
16	N. Rusheendra	IT	N. Rusheendra
17	N. Tharun Reddy	IT	N. Tharun Reddy
18	P. Ashish	IT	P. Ashish
19	B.S.D. Vignesh	IT	B.S.D. Vignesh
20			
21			

Introduction

Embedded systems are standalone devices that have usually been designed to do one specific thing. An Internet of Things (IoT) is a new revolution of the Internet. IoT is to impart working knowledge in Internet of Things to all our students and to train them at par with the requirement of the nation to become technocrats as well as entrepreneurs in IoT technology. Students are motivated to implement their innovative ideas into a prototype using embedded development boards and process the data collected from various sensors in the cloud for automation. Periodically, renowned experts from industry and academia will be invited to present on emerging trends in IoT.

Objectives:

- ❖ Introduction to Embedded System using Energia
- ❖ Embedded Systems in IoT, Arduino, Raspberry Pi, NODE MCU Configuring using Arduino IDE
- ❖ Working with digital pins Interfacing and configuration of LED, Buzzer and switches Familiarize coding structures in Python Programming
- ❖ Interface different Sensors & actuators
- ❖ Web server using Node MCU,
- ❖ Perform Cloud Server Experiments


Principal, Head of The Department
Electronics & Communication Engineering
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.

CHIEF PATRON

Sri T. Krishna Reddy
Chairman, TKR group of institutions

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Dr. D. V. Ravi Shankar
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HOD, Dept. ECE, TKRCET.

COORDINATOR

Dr. K. Sukanya
Assoc. Prof., Dept. ECE, TKRCET.

CO-COORDINATOR

Mr. M. Satyanarayana
Asst. Prof., Dept. ECE, TKRCET

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institute Affiliated to JNTUH)
Approved By AICTE, Accredited By NBA
Accredited by NAAC with 'A' Grade



EdGate
TECHNOLOGIES

A Three-day workshop on
Internet Of Things
in association with
Ed gate Technologies Pvt
Ltd

02.03.2023 to 04.03.2023



Organized by

Department of Electronics and
Communication Engineering,
TKRCET, Hyderabad-500097

College:

TKR College of Engineering and Technology – a modern temple of learning, an off shoot of the TKR Educational Society was established in the year 2002 in a sprawling, lush green 20-acre campus at Meerpet, Hyderabad. The college provides a serene and tranquil environment to the students, boosting their mental potential and preparing them in all aspects to face the cut-throat global competition with a smile on the face and emerge victorious. The College is affiliated to Jawaharlal Nehru Technological University Kukatpally, Hyderabad. It has been approved by AICTE, New Delhi and the State Government of Telangana and has been sanctioned seven UG courses – Civil Engineering, Electrical & Electronics Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Mechanical Engineering and PG Courses – M.Tech in CSE, PE & MBA. In addition, the College is running second shift Polytechnic in the branches – CIVIL, EEE, MECH, IT, ECE & CSE. The institute became Autonomous in 2016-17. The Institute has been providing a technology enabled teaching-learning environment (Wi-Fi) since 2005. The Institute constantly strives for improvement, competing with the premier institutions of national importance.

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.

About the Department:

The Department of Electronics and Communication Engineering was established in 2002. It offers to inculcate creative thinking through innovative and group work exercises which enhances the entrepreneur skills, employability and research capabilities. Students are taught how to use and employ innovative design methods and techniques. Exposure to contemporary facets planning, construction design and project management are key aspects of the course. The Department offer Undergraduate course in B.Tech Electronics and communication engineering with an annual intake of 240.

Course Contents:

- ✓ Arduino, Raspberry Pi, NODE MCU Board Description
- ✓ Downloading the arduino IDE, Raspbian OS
- ✓ Installing OS in the SD Card
- ✓ Setting up the Raspberry Pi Board
- ✓ Interacting With Physical Components
- ✓ GPIO Pin Description
- ✓ Secure Shell Connection (Remote Login)
- ✓ Configuring to Wi-Fi Router
- ✓ Interfacing and configuration of LED, Buzzer and switches
- ✓ Reading data from Sensors
- ✓ Switch and LED programming in Python
- ✓ Introduction to IoT (Internet of Things)
- ✓ Receive data from the website and control the Devices – Home Automation with IoT

Course Outcome:

The participants will be able to develop IoT based applications using Arduino, NODE MCU & Raspberry Pi.

Who can Attend?

Program is open to faculty members/research scholars/PG students from colleges/universities, and industry personnel working in the concerned/allied discipline.

Registration

Contact:

Dr. K. Sukanya
Coordinator, Assoc. Professor,
ECE Dept.
TKRCET, Hyderabad.
Email: sukanyakurapati@tkrcet.com
Phone no.: +91-9951018558

4-9
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DEPARTMENT OF ECE

A Three-day Workshop on “INTERNET OF THINGS”

REPORT

The Department of Electronics & Communication Engineering, TKR COLLEGE OF ENGINEERING & TECHNOLOGY organized “Three-day Workshop on “INTERNET OF THINGS” during 02.03.2023 to 04.03.2023.

“If you think that the internet has changed your life, think again. The IOT is about to change it all over again!”

Detail Report of Workshop:

Title: Internet of Things

Resource person: Mr. N.Srinivas Reddy

About workshop: (What is Internet of Things?)

It's a global network infrastructure, linking physical and virtual objects using cloud computing, data capture, and network communications. It allows devices to communicate with each other, access information on the Internet, store and retrieve data, and interact with users, creating smart, pervasive and always-connected environments.

The Internet of Things (IoT), sometimes referred to as the Internet of Objects, will change everything— including ourselves. This may seem like a bold statement, but consider the impact the Internet already has had on education, communication, business, science, government, and humanity. Clearly, the Internet is one of the most important and powerful creations in all of human history. Now consider that Internet of Things represents the next evolution of the Internet, taking a huge leap in its ability to gather, analyse, and distribute data that we can turn into

information, knowledge, and, ultimately, wisdom. In this context, Internet of Things becomes immensely important.

Duration: It's a Three-day workshop from 02.03.2023 to 04.02.2023. In this Three-day course, student gained valuable hands-on experience.

How many students have attended this workshop: 132

Topics covered in this Workshop:

Day 1

1. Introduction to Embedded System
2. Introduction to 8051 family
3. Arduino programming
4. Interfacing of seven segment Display with Arduino
5. Interfacing of sensors like LDR with Arduino

Day 2

1. Introduction to IOT
2. Introduction to Raspberry pi
3. Raspberry pi Board Explanation
4. Formatting SD card and Installing operating System
5. Controlling of GPIO Pins and Control LEDs with buttons on GPIO Pins

Day 3

1. Interfacing of Sensors (ultrasonic and Humidity Sensors) with Raspberry pi
2. Interfacing of wire and wireless connectivity (RFID, Bluetooth, Humidity Sensors) with Raspberry Pi
3. Mini Project

Skills Gained

- Current scenario/job opportunities of embedded industries.
- Understanding the skill set required in a new employee in embedded industry.
- Understanding the robotics future and scope Understanding the different microcontroller available in the industry & their use.

Outcomes of attending the workshop:

- What “the Internet of Things” means and how it relates to Cloud computing concepts
- How open platforms allow you to store your sensor data in the Cloud
- The basic usage of the Arduino environment for creating your own embedded projects at low cost
- How to connect your Arduino with your Android phone.
- How to send data to the Internet and talk to the Cloud.

Conclusion: In this Workshop, how machine to machine connectivity is rapidly growing everywhere was discussed. Also, the business benefits for connected devices and assets for remote location connectivity are instantly cleared.

PHOTOGRAPHS:-



Anitha K. Suresh
Co-ordinator:

Y-9
HoD, ECE.

Head of The Department
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Introduction

Signal Processing provides a comprehensive set of reference-standard algorithms and workflow apps for image processing, analysis, visualization, and algorithm development. You can perform image segmentation, image enhancement, noise reduction, geometric transformations, and image registration using deep learning and traditional image processing techniques. The toolbox supports processing of 2D, 3D, and arbitrarily large images.

Image Processing Toolbox apps let you automate common image processing workflows. You can interactively segment image data, compare image registration techniques, and batch-process large datasets. Visualization functions and apps let you explore images, 3D volumes, and videos; adjust contrast; create histograms; and manipulate regions of interest (ROIs).

You can accelerate your algorithms by running them on multicore processors and GPUs. Many toolbox functions support C/C++ code generation for desktop prototyping and embedded vision system deployment.

Objectives:

- Introduce participants to fundamental concepts of signal processing. Sampling and resampling.
- Familiarize participants with MATLAB tools and functions for signal processing.
- Provide hands-on experience through practical exercises and examples.
- Enable participants to apply signal processing techniques to real-world problems.

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CHIEF PATRON

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Chairman, TKR group of institutions

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Secretary, TKRES.

Sri. T. Amarnath Reddy
Treasurer, TKRES.

CHAIR

Dr. D. V. Ravi Shankar
Principal, TKRCET.

CONVENOR

Dr. D. Nageswar Rao
HOD, Dept. ECE, TKRCET.

CO-ORDINATOR

Mrs. G. Anitha Chowdary
Assoc. Prof.,
Dept. ECE, TKRCET.

[Signature]
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TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institute Affiliated to JNTUH)
Approved By AICTE, Accredited By NBA,
Accredited by NAAC with 'A' Grade



A Two-Day workshop
on

Signal Processing with MATLAB: Theory and Practice

in association with
Sreemudra Tech Solutions

Date: 16.12.2022 to 17.12.2022



Organized by

Department of Electronics and
Communication Engineering,
TKRCET, Hyderabad-500097

About the College:

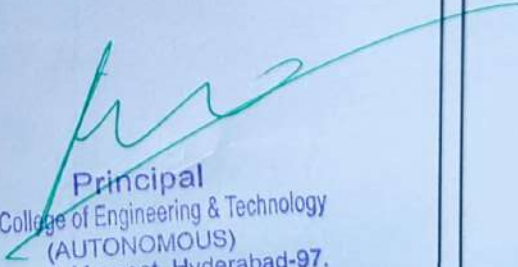
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Course Contents:

- **Signal and voice processing models**
- **MATLAB simulation**
- **Practical implementation issues in MATLAB Environment**
- **Filter implementation techniques**
- **Paper writing using the LATEX**


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Course Outcome:

- By following a structured approach and incorporating hands-on exercises, the workshop can provide an engaging learning experience for attendees, empowering them to apply signal processing techniques effectively using MATLAB..

Who can Attend?

Program is open to faculty members/research scholars/UG students from colleges/universities.

Contact:

Mrs. G. Anitha
Co-Coordinator,
Assoc. Professor, ECE Dept.
TKRCET, Hyderabad.
Email: ece@tkrcet.com
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DEPARTMENT OF ECE

A TWO-DAY WORKSHOP ON “Signal Processing with MATLAB: Theory and Practice” (16th and 17th - Dec-2022)

REPORT

Date: 17-12-2022.

Here's a streamlined outline for a two-day workshop on Signal Processing with MATLAB:

Number of participants: 124

Day 1:

Morning Session:

1. Introduction to Signal Processing

- Basics of signals: continuous-time vs. discrete-time signals, analog vs. digital signals.
- Key concepts: amplitude, frequency, phase, time-domain vs. frequency-domain representation.

2. MATLAB Basics for Signal Processing

- Introduction to MATLAB environment.
- Basic MATLAB operations: variables, arrays, functions, plotting.
- Introduction to Signal Processing Toolbox.

Afternoon Session:

3. Time-domain Signal Processing

- Convolution and correlation.
- Filtering techniques: FIR and IIR filters.
- Practical examples using MATLAB.

Day 2:

Morning Session:

4. Frequency-domain Signal Processing

- Fourier transform and its properties.
- Fast Fourier Transform (FFT) algorithm.
- Spectral analysis and filtering in frequency domain.

5. Advanced Signal Processing Techniques

- Wavelet transforms.
- Adaptive signal processing techniques.

Afternoon Session:

6. Practical Applications and Case Studies

- Real-world examples of signal processing applications.
- Hands-on exercises and mini-projects using MATLAB.

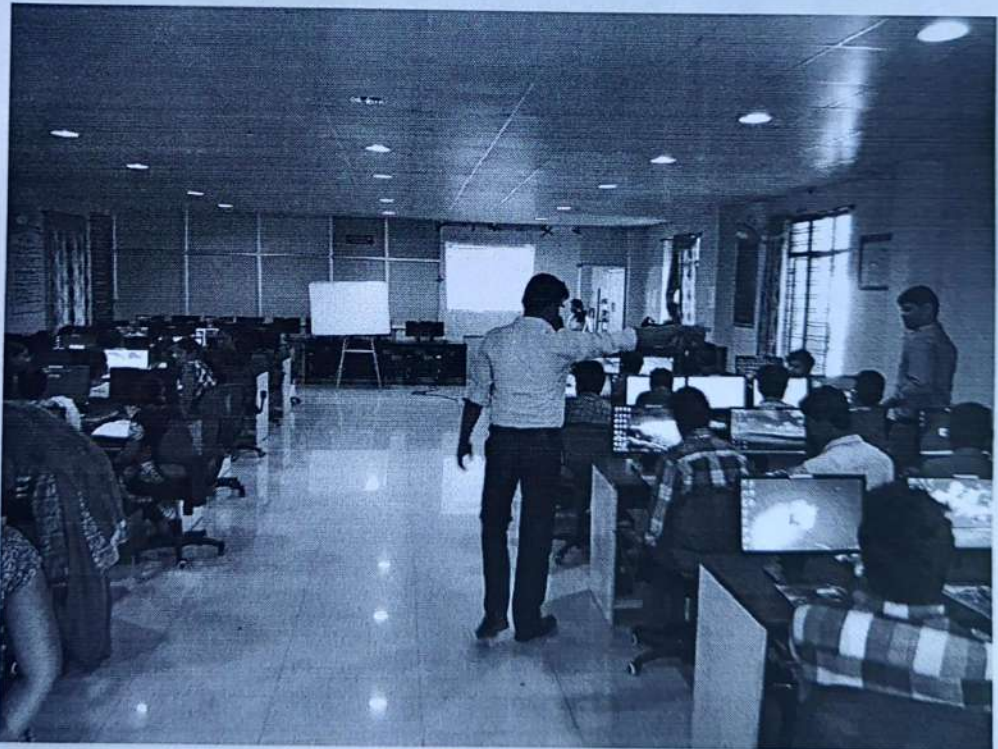
7. Wrap-up and Q&A

- Recap of key concepts covered.
- Addressing participant queries and clarifications.
- Feedback collection.

Resources and Requirements:

- MATLAB software installed on participants' computers (if feasible).
- Workshop materials: presentation slides, handouts, MATLAB code examples.
- Access to a projector and screen for presentations.
- Internet access for online resources and downloads (if required).

PICTURES:





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Co-ordinator:

[Handwritten signature]

HoD, ECE.

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