



KRISHNASAMY

College of

ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University

Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.

☎ (04142) 285 601 - 604

🌐 www.kcet.in

✉ info@kcet.in

AY 2023-2024

ICT/COMPUTING SKILLS



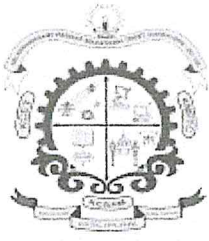
KRISHNASAMY

College of
ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.
☎ (04142) 285 601 - 604 🌐 www.kcet.in ✉ info@kcet.in

INDEX

Year	Name of the capacity development and skills enhancement program	Period (from date - to date)	Number of students enrolled	Name of the agencies/experts involved with contact details (if any)
2023-2024	1.Beyond Limits: Exploring AI's Frontier	10.05.2024	29	Mrs. K. Arangannayagi Founder – Zeros and Ones Coding Hub
	2.Hands on Training Workshop on Networking - CCNA	03.05.2024	60	Er. M. Sangeetha Software Trainer SKILLSIN CORP MSME – Udayam Certified Company, Vadalur
	3.Importance of SCADA and LABVIEW	04.03.2024	91	Dr. D. Periyazhagar ASP/EEE – Krishnasamy College of Engineering & Technology, Cuddalore
	4.Computational Fluid Dynamics	25.10.2023	42	Er. P. Prakash AP/Mech., – Krishnasamy College of Engineering & Technology, Cuddalore
	5.Roadmap to become a Full-Stack Java Developer	13.10.2023	57	Er. N. Thanigaivel AP/CSE – Krishnasamy College of Engineering & Technology, Cuddalore
	6.3D Printing in Construction	06.10.2023	12	Er. V. Thirumurugan AP/Civil – Krishnasamy College of Engineering & Technology, Cuddalore



KRISHNASAMY

College of

ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University

Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.

☎ (04142) 285 601 - 604

🌐 www.kcet.in

✉ info@kcet.in

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

KCET/MCA/CIR/2023-2024/ICT/02

08.05.2024

CIRCULAR

It is proposed to conduct the Information and Communication Technology Skills Training (ICT) for the First year students on 10.05.2024 to impart the knowledge and skills on "Beyond Limits: Exploring AI's Frontier"

Resource Person: Mrs. K. ARANGANNAYAGI, MCA, M.Phil., M.Ed.,
(Proud Alumnus:2010-2013)
Founder,
Zeros and Ones Coding Hub
&
Academic Coordinator cum PGT Computer Science,
Krishnaswamy Vidyanikethan Senior Secondary School,
Cuddalore,

Venue: C-Block Smart Class

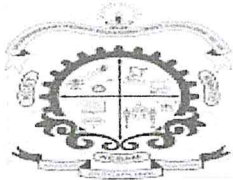

HOD


815124
Vice-Principal


Principal

E-copy to:

1. The Chairman/CEO/ED
2. The Principal / The Vice-Principal / IQAC
3. Heads of various department / Notice Board



KRISHNASAMY

College of
ENGINEERING & TECHNOLOGY

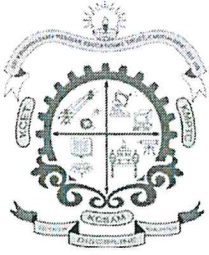
Approved by AICTE & Affiliated to Anna University
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.
☎ (04142) 285 601 - 604 🌐 www.kcet.in ✉ info@kcet.in

Department of Computer Applications

Guest Lecture on Beyond Limits: Exploring AI's Frontier Attendance

S. No.	Reg. No.	Name of the Candidate		10.05.2024
1	4213232622001	ABITHA	B	B. Abitha
2	4213232622002	ARTHI	S	S. Arthi
3	4213232622003	ARUL JOTHI	K	K. Arul Jothi
4	4213232622004	BALAJI	T	T. Balaji
5	4213232622005	BANU PRIYA	M	M. Banu Priya
6	4213232622006	BHUVANESHWARI	V	V. Bhuvaneshwari
7	4213232622007	BRINDHA Subramanian	S	S. Brindha
8	4213232622008	BRINDHA Sundararasu	S	S. Brindha
9	4213232622009	BUVANA	R	R. Buvana
10	4213232622010	DAKSHINAPRIYA	K	Dakshina Priya. K.
11	4213232622012	DHARANI	M	M. Dharani
12	4213232622013	DHARMAPRAKASH	L	L. Dharmaprabash
13	4213232622014	DHINESH	M	M. Dhinesh
14	4213232622015	ELANCHEZHIAN	G	G. Elanchezhian
15	4213232622016	FAMILA	A	A. FAMILA
16	4213232622017	GOKUL	R	R. Gokul
17	4213232622018	HARIDHARAN	K	K. Haridharan
18	4213232622019	HARSHINI	R	R. Harshini
19	4213232622020	INDHUMATHI	E	E. Indhumathi
20	4213232622021	ISWARYA	S	S. Iswarya
21	4213232622022	JANANI	R	R. Janani
22	4213232622023	JAYADEVAN	P	P. Jayadevan
23	4213232622024	JAYAPRIYA	A	A. Jayapriya
24	4213232622025	JAYASRI	S	S. Jayasri
25	4213232622026	KANIMOZHI	G	G. Kanimozhi
26	4213232622027	KANIMOZHI	R	R. Kanimozhi
27	4213232622028	KAVIYA	R	R. Kaviya
28	4213232622029	KEERTHANI	M	M. Keertani
29	4213232622030	LAKSHMINARAYANAN	K	K. Lakshminarayanan

DEPARTMENT OF COMPUTER APPLICATIONS

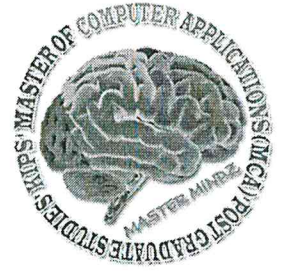


KRISHNASAMY

College of
ENGINEERING & TECHNOLOGY

Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109.

☎ (04142) 285 601 - 604, 94886 03394. 🌐 www.kcet.in ✉ info@kcet.in



Cordially invites you to the

Guest Lecture

On

"Beyond Limits: Exploring AI's Frontier"

On Friday, the 10th May 2024, at 09.30 AM

Venue: C-Block Smart Class

Mrs. K. ARANGANNAYAGI, MCA, M.Phil., M.Ed.,
(Proud Alumnus:2010-2013)

Founder,
Zeros and Ones Coding Hub

&

Academic Coordinator cum PGT Computer Science,
Krishnaswamy Vidyanikethan Senior Secondary School,
Cuddalore,

has consented to be the guest.

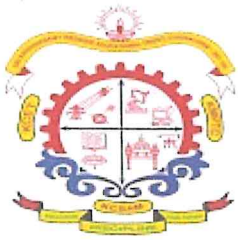
Dr. K. RAJENDRAN, M.S., FICS., FAIS.,
Chairman,
Krishnasamy College of Engineering & Technology,
presides

Mr. N. VIJAYAKUMAR, B.A., B.L.,
Trustee / Secretary,
Krishnasamy Group of Educational Institutions,
felicitates.

Mr. P. ANBUMANI, Asso.Prof.
STAFF CO-ORDINATOR

Dr. R. VIJAYALAKSHMI
HOD - MCA

Dr. G. ELANGO
PRINCIPAL



KRISHNASAMY

College of
ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.
☎ (04142) 285 601 - 604 🌐 www.kcet.in ✉ info@kcet.in

Department of Computer Applications

Beyond Limits: Exploring AI's Frontier

We would like to express our sincere thanks to The Management, The Principal, The Vice-Principal and The HoD of Computer Applications of our esteemed institution who encouraged us to conduct the Guest Lecture titled Beyond Limits: Exploring AI's Frontier on 10th May 2024.

The programme has started with an inaugural function at 9.30 A.M. The Convener of the programme welcomed the gathering. The Principal and Vice-Principal felicitated and The Secretary delivered the presidential address. The Administrative Officer gave talk on Artificial Intelligence (AI). The chief guest Mrs. K. Arangannayagi, Founder, Zeros and Ones Coding Hub, and The Academic Coordinator cum PGT Computer Science, Krishnaswamy Vidyanikethan Senior Secondary School, Cuddalore has handled the lecture on Artificial Intelligence (AI). 60 students from the department and Professors of various departments participated in the programme.

During the programme, the students learnt about Artificial Intelligence (AI) covering the following topics :

1. About AI
2. Uses of AI
3. Types of AI
4. Examples of AI
5. Machine Learning
6. Types of Machine Learning
7. Large Language Models
8. Deep Learning
9. Neural Networks
10. Conversational AI

In the valedictory function, Mrs. P. Anbumani, Asso. Prof / MCA rendered the vote of thanks. The programme coordinator and all faculties of the department have arranged the facilities for the grand success of the function.


P. Anbumani
10/5/2024
Co-ordinator


10/05/2024
Head of the Department


10/5/24
Vice-Principal


10/5/2024
Principal

24-04-2024
Cuddalore.

From

Dr. E. Ranjith
AP
KCEIT, Cuddalore.

To

The Principal
KCEIT
Cuddalore.

Respected sir,

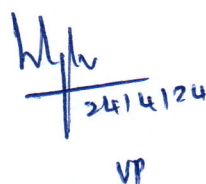
Sub: Requesting for conducting workshop.


In order to cope the students with technical knowledge on networking, one day workshop on "CCNA" (Cisco Certified Network Associate), has been planned for I-MCA students on 03-05-2024 (Friday). In this regard, kind request is made to grant permission to conduct the same.

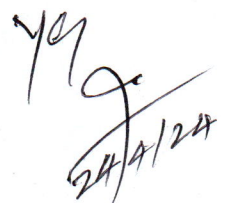
Yours faithfully,

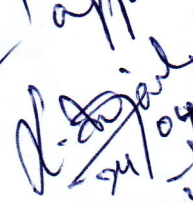

24/04/24.

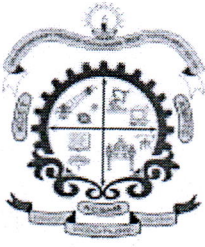
Recommended and Submitted
to the Principal
-
May be permitted


24/4/24
VP

Recommended and submitted
to the chairman for approval.



24/4/24

Submitted to the
Vice-principal/principal
for approval.

24/04/2024
HOD i/c - MCA



KRISHNASAMY

College of
ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.
☎ (04142) 285 601 - 604 🌐 www.keet.in ✉ info@keet.in

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

KCET/MCA/CIR/2023-2024/ICT/01

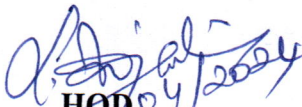
24.04.2024

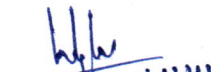
CIRCULAR

It is proposed to conduct the Information and Communication Technology Skills Training (ICT) for the First year students on 03.05.2024 to impart the knowledge and skills on “Networking – CCNA (Cisco Certified Network Associate)”. All the students are hereby informed to attend and get benefited.

Resource Person: **Er. M. SANGEETHA, M.E.,**
Software Trainer,
SKILLSIN CORP,
MSME – Udayam Certified Company,
Vadalur.

Venue: C - Block Ground Floor – Programming and Testing Lab


HOD
24/4/2024


Vice-Principal
24/4/24


Principal
24/4/24

E-copy to:

1. The Principal / The Vice-Principal / IQAC
2. Heads of various department / Notice Board

DEPARTMENT OF COMPUTER APPLICATIONS



KRISHNASAMY
College of
ENGINEERING & TECHNOLOGY

Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109.
☎ (04142) 285 601 - 604, 94886 03394. 🌐 www.keet.in ✉ info@keet.in



Cordially invites you to the
Certification Hands-on Training Workshop
On

"Networking - CCNA (Cisco Certified Network Associate)"

On Friday, the 03rd May 2024, at 10.00 AM

Venue: C-Block Smart Class

Er. M. SANGEETHA, M.E.,

Software Trainer,
SKILLSIN CORP,

MSME – Udayam Certified Company, Vadalur
has consented to be the guest trainer.

Dr. K. RAJENDRAN, M.S., FICS., FAIS.,

Chairman,
Krishnasamy College of Engineering & Technology,
presides

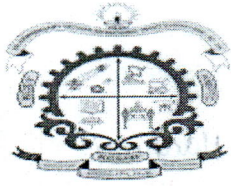
Mr. N. VIJAYAKUMAR, B.A., B.L.,

Trustee / Secretary,
Krishnasamy Group of Educational Institutions,
felicitates.

Dr. E. RANJITH
STAFF CO-ORDINATOR

Dr. R. VIJAYALAKSHMI
HOD - MCA

Dr. G. ELANGO
PRINCIPAL



KRISHNASAMY

College of ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.
☎ (04142) 285 601 - 604 🌐 www.keet.in ✉ info@keet.in


Department of Computer Applications


Workshop on Networking - CCNA Attendance

S. No.	Reg. No.	Name of the Candidate		03.05.2024	
				Forenoon	Afternoon
1	4213232622001	ABITHA	B	B. Abitha	B. Abitha
2	4213232622002	ARTHI	S	S. Arthi	S. Arthi
3	4213232622003	ARUL JOTHI	K	K. Arul Jothi	K. Arul Jothi
4	4213232622004	BALAJI	T	T. Balaji	T. Balaji
5	4213232622005	BANU PRIYA	M	M. Banu Priya	M. Banu Priya
6	4213232622006	BHUVANESHWARI	V	V. Bhuvaneshwari	V. Bhuvaneshwari
7	4213232622007	BRINDHA Subramanian	S	S. Brindha	S. Brindha
8	4213232622008	BRINDHA Sundararasu	S	S. Brindha	S. Brindha
9	4213232622009	BUVANA	R	R. Buvana	R. Buvana
10	4213232622010	DAKSHINAPRIYA	K	Dakshina Priya K	Dakshina Priya K
11	4213232622012	DHARANI	M	M. Dhara	M. Dhara
12	4213232622013	DHARMAPRAKASH	L	Dharmaprakash	Dharmaprakash
13	4213232622014	DHINESH	M	M. Dhinesh	M. Dhinesh
14	4213232622015	ELANCHEZHIAN	G	AB	AB
15	4213232622016	FAMILA	A	A. Famila	A. Famila
16	4213232622017	GOKUL	R	R. Gokul	R. Gokul
17	4213232622018	HARIDHARAN	K	K. Haridharan	K. Haridharan
18	4213232622019	HARSHINI	R	R. Harshini	R. Harshini
19	4213232622020	INDHUMATHI	E	AB	AB
20	4213232622021	ISWARYA	S	S. Iswarya	S. Iswarya
21	4213232622022	JANANI	R	R. Janani	R. Janani
22	4213232622023	JAYADEVAN	P	P. Jayadevan	P. Jayadevan
23	4213232622024	JAYAPRIYA	A	A. Jayapriya	A. Jayapriya
24	4213232622025	JAYASRI	S	S. Jayasri	S. Jayasri
25	4213232622026	KANIMOZHI	G	G. Kanimozhi	G. Kanimozhi
26	4213232622027	KANIMOZHI	R	R. Kanimozhi	R. Kanimozhi
27	4213232622028	KAVIYA	R	R. Kaviya	R. Kaviya
28	4213232622029	KEERTHANI	M	M. Keerthani	M. Keerthani
29	4213232622030	LAKSHMINARAYANAN	K	K. Lakshminarayanan	K. Lakshminarayanan

S. No.	Reg. No.	Name of the Candidate		03.05.2024	
				Forenoon	Afternoon
30	4213232622031	MADHURI	K	K. Madhuri	K. Madhuri
31	4213232622032	MANIKANDAN	P	AB	AB
32	4213232622033	MOHANA PRIYAN	R	AB	AB
33	4213232622034	NIRMALA	V	V. Nirmala	V. Nirmala
34	4213232622035	NITHIYABARATHI	B	B. Nithiyabarathi	
35	4213232622036	PAVITHRA	K	K. Pavithra	K. Pavithra
36	4213232622037	POOJAA	S	S. Poojaa	S. Poojaa
37	4213232622038	PRITHISHA	K	K. Prithisha	K. Prithisha
38	4213232622039	PRIYADHARSHINI	K	K. Priyadharsini	K. Priyadharsini
39	4213232622040	ROSHAN MANUEL	S	Roshan manuel - S	Roshan manuel
40	4213232622041	SANDHIYA	S	S. Sandhya	S. Sandhya
41	4213232622042	SANJAI	B	B. Sanjai	B. Sanjai
42	4213232622043	SANJAI RAJ	P	P. Sanjai raj	P. Sanjai raj
43	4213232622044	SANTHOSH	M	M. Santus	M. Santus
44	4213232622045	SARUMATHI	J	J. Sarumathi	J. Sarumathi
45	4213232622046	SATHYA	D	D. Sathya	D. Sathya
46	4213232622047	SELVAMANI	J	J. Selvamani	J. Selvamani
47	4213232622048	SELVA VINAYAGAM	R	R. Selva Vinayagam	R. Selva Vinayagam
48	4213232622049	SINDHU	M	M. Sindhu	M. Sindhu
49	4213232622050	SIVARANJANI	M	M. Sivaranjani	M. Sivaranjani
50	4213232622051	SRI PAVITHRA	P	P. Sri Pavithra	P. Sri Pavithra
51	4213232622052	SUBASREE	S	S. Subasee	S. Subasee
52	4213232622053	SUMITHA	R	R. Sumitha	R. Sumitha
53	4213232622054	SUMITHA	T	T. Sumitha	T. Sumitha
54	4213232622055	SWATHI	B	B. Swathi	B. Swathi
55	4213232622056	UMAMAHESWARI	M	M. Umamaheswari	M. Umamaheswari
56	4213232622057	VASU	N	N. Vasu	N. Vasu
57	4213232622058	VASUNDHARA	D	D. Vasundhara	D. Vasundhara
58	4213232622059	VENITHA	S	S. Venitha	S. Venitha
59	4213232622060	VISHNU PREM	K	K. Vishnu Prem	K. Vishnu Prem
60	4213232622061	YOHESWARI	L	L. Yoheswari	L. Yoheswari
No. of Presentees				56	56
No. of Absentees				04	04


Co-ordinator


HoD


Vice-Principal


Principal

கிருஷ்ணசாமி பொறியியல் மற்றும் தொழில் நுட்பக் கல்லூரியில்

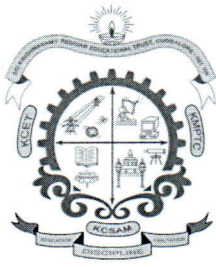
“நெட்வொர்க்கிங் - CCNA” ஒரு நாள் செய்முறை கருத்தரங்கு



கடலூர் கிருஷ்ணசாமி பொறியியல் மற்றும் தொழில் நுட்பக் கல்லூரியில் கணினி பயன்பாட்டியல் துறையின் சார்பாக 2023-2024 ஆண்டிற்கான ஒரு நாள் செய்முறை கருத்தரங்கு “நெட்வொர்க்கிங் - CCNA” என்ற தலைப்பில் நடைபெற்றது. இந்த கருத்தரங்கிற்கு சிறப்பு சேர்க்கும் வண்ணமாக, சிறப்பு விருந்தினர் பொறியாளர் சங்கீதா மென்பொருள் பயிற்சியாளர் SKILLSIN CORP, வடலூர் அவர்கள் கலந்துகொண்டு கணினி துறையில் “நெட்வொர்க்கிங்” எவ்வாறு செயல்படுகிறது என்பதனை செயல்முறை விளக்கம் மற்றும் அதன் நன்மைகள் பற்றி எடுத்துரைத்தார். இந்த கருத்தரங்கில் அனைத்து கணினி பயன்பாட்டியல் துறை மாணவ மாணவிகள், பேராசிரியர்கள், கலந்து கொண்டனர். இக்கருத்தரங்கிற்கு கிருஷ்ணசாமி கல்வி அறக்கட்டளையின் தலைவரும், தாளாளருமாகிய மருத்துவர் கி. இராஜேந்திரன், செயலர் திரு. நா.விஜயகுமார் அவர்கள் தலைமை வகித்தனர். இவ்விழாவில் முதல்வர் முனைவர் திரு கோ.இளங்கோ, துணை முதல்வர் முனைவர் திரு கு.இரகு மற்றும் நிர்வாக அலுவலர் திரு கோ.பாலகிருஷ்ணன் ஆகியோர் கலந்து கொண்டு வாழ்த்துரை வழங்கி கருத்தரங்கை சிறப்பித்தனர்.

இக்கருத்தரங்கிற்கான ஏற்பாடுகளை துறைத்தலைவி முனைவர் திருமதி ரா.விஜயலக்ஷ்மி உதவி பேராசிரியராகிய முனைவர் திரு. எ. ரஞ்சித் மற்றும் துறை சார்த்த பேராசிரியர்கள் செய்திருந்தனர்.

15/12/24



KRISHNASAMY

College of

ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University

Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.

☎ (04142) 285 601 - 604

🌐 www.kcet.in

✉ info@kcet.in

Department of Computer Applications Workshop Evaluation Form

Your feedback is critical for us to ensure we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

Please return this form to the trainer or organizer at the end of the workshop. Thank you.

Workshop title: Networking - CCNA

Date: 03/05/2024 Trainer: Eri. M. Sangeetha M.E

Strongly
disagree

Strongly
agree

1. The content was as described in publicity materials
2. The workshop was applicable to my career
3. I will recommend this workshop to friends and neighbours
4. The program was well paced within the allotted time
5. The trainer was a good communicator
6. The material was presented in an organized manner
7. The trainer was knowledgeable on the topic
8. I would be interested in attending a follow-up, more advanced workshop on this same subject

	1	2	3	4	5
1. The content was as described in publicity materials					5
2. The workshop was applicable to my career					5
3. I will recommend this workshop to friends and neighbours					5
4. The program was well paced within the allotted time					5
5. The trainer was a good communicator					5
6. The material was presented in an organized manner					5
7. The trainer was knowledgeable on the topic					5
8. I would be interested in attending a follow-up, more advanced workshop on this same subject					5

9. Given the topic, was this workshop: a. Too short b. Right length c. Too long
10. In your opinion, was this workshop: a. Introductory b. Intermediate c. Advanced

11. Please rate the following:

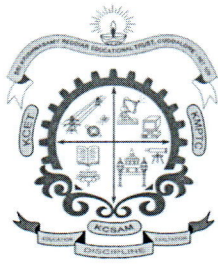
- | | Excellent | Very Good | Good | Fair | Poor |
|------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|
| a. Visuals | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Acoustics | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Meeting space | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d. The program overall | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

12. What did you most appreciate / enjoy / think was best about the course? Any suggestions for improvement?

I really enjoyed this class, I learned a lot about networking. I learned how to align and connect the system from networking.

Thank you!

Please return this form to the trainer or coordinator at the end of the workshop.



KRISHNASAMY

College of

ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University

Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.

☎ (04142) 285 601 - 604

🌐 www.kcet.in

✉ info@kcet.in

Department of Computer Applications Workshop Evaluation Form

Your feedback is critical for us to ensure we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

Please return this form to the trainer or organizer at the end of the workshop. Thank you.

Workshop title: Networking - CCNA

Date: 03.05.2024 Trainer: ER. M. Sangeetha, M.E

	Strongly disagree				Strongly agree
1. The content was as described in publicity materials	1	2	3	4	5
2. The workshop was applicable to my career	1	2	3	4	5
3. I will recommend this workshop to friends and neighbours	1	2	3	4	5
4. The program was well paced within the allotted time	1	2	3	4	5
5. The trainer was a good communicator	1	2	3	4	5
6. The material was presented in an organized manner	1	2	3	4	5
7. The trainer was knowledgeable on the topic	1	2	3	4	5
8. I would be interested in attending a follow-up, more advanced workshop on this same subject	1	2	3	4	5

9. Given the topic, was this workshop: a. Too short b. Right length c. Too long

10. In your opinion, was this workshop: a. Introductory b. Intermediate c. Advanced

11. Please rate the following:

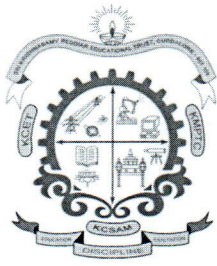
	Excellent	Very Good	Good	Fair	Poor
a. Visuals	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Acoustics	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Meeting space	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. The program overall	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. What did you most appreciate / enjoy / think was best about the course? Any suggestions for improvement?

I gain new experience

Thank you!

Please return this form to the trainer or coordinator at the end of the workshop.



KRISHNASAMY

College of

ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University

Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.

☎ (04142) 285 601 - 604 🌐 www.kcet.in ✉ info@kcet.in

Department of Computer Applications Workshop Evaluation Form

Your feedback is critical for us to ensure we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

Please return this form to the trainer or organizer at the end of the workshop. Thank you.

Workshop title: NETWORKING - CCNA

Date: 8-5-24 Trainer: EM.M. SANGEETHA, M.E...

Strongly disagree Strongly agree

1. The content was as described in publicity materials	1	2	3	4	5
2. The workshop was applicable to my career	1	2	3	4	5 ✓
3. I will recommend this workshop to friends and neighbours	1	2	3	4	5 ✓
4. The program was well paced within the allotted time	1	2	3	4 ✓	5
5. The trainer was a good communicator	1	2	3	4	5 ✓
6. The material was presented in an organized manner	1	2	3	4	5 ✓
7. The trainer was knowledgeable on the topic	1	2	3	4	5 ✓
8. I would be interested in attending a follow-up, more advanced workshop on this same subject	1	2	3	4 ✓	5

9. Given the topic, was this workshop: a. Too short b. Right length c. Too long

10. In your opinion, was this workshop: a. Introductory b. Intermediate c. Advanced

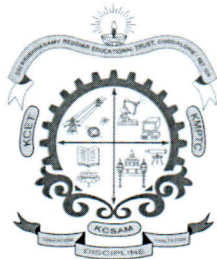
11. Please rate the following:

	Excellent	Very Good	Good	Fair	Poor
a. Visuals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Acoustics	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Meeting space	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. The program overall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. What did you most appreciate / enjoy / think was best about the course? Any suggestions for improvement?

NO

Thank you!
Please return this form to the trainer or coordinator at the end of the workshop.



Department of Computer Applications Workshop Evaluation Form

Your feedback is critical for us to ensure we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

Please return this form to the trainer or organizer at the end of the workshop. Thank you.

Workshop title: Networking - CCNA

Date: 3-5-24 Trainer: En. M. Sangeetha, M.E.,

Strongly disagree Strongly agree

	1	2	3	4	5
1. The content was as described in publicity materials	1	2	3	4	5
2. The workshop was applicable to my career	1	2	3	4	5 ✓
3. I will recommend this workshop to friends and neighbours	1	2	3	4	5 ✓
4. The program was well paced within the allotted time	1	2	3	4 ✓	5
5. The trainer was a good communicator	1	2	3	4	5 ✓
6. The material was presented in an organized manner	1	2	3	4	5 ✓
7. The trainer was knowledgeable on the topic	1	2	3	4	5 ✓
8. I would be interested in attending a follow-up, more advanced workshop on this same subject	1	2	3	4 ✓	5

9. Given the topic, was this workshop: a. Too short b. Right length c. Too long

10. In your opinion, was this workshop: a. Introductory b. Intermediate c. Advanced

11. Please rate the following:

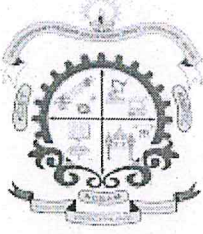
	Excellent	Very Good	Good	Fair	Poor
a. Visuals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Acoustics	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Meeting space	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. The program overall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. What did you most appreciate / enjoy / think was best about the course? Any suggestions for improvement?

The topic was very interesting. It was good experience.

Thank you!

Please return this form to the trainer or coordinator at the end of the workshop.



KRISHNASAMY

College of

ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University

Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.

| | ☎ (04142) 285 601 - 604

🌐 www.keet.in

✉ info@keet.in

DEPARTMENT OF ECE

KCET/ECE/CIR/2023-2024/ICT/01

01.03.2024

Circular

ICT SKILL TRAINING

It is proposed to conduct the ICT/Computing skill training for the students of IV year on the topic "Importance of SCADA and Labview" on 04.03.2024 in association with the department of EEE to support the projects of final year students with the functioning of the software. In this connect, the IV-year students of EEE are also requested to take part in this training session.

Venue : B – Block II Floor Seminar Hall

S. Sankar
01/03/24
HOD/ECE

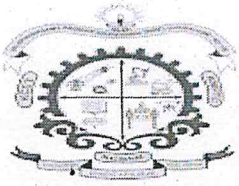
Shankar
HOD/EEE
1/3/24

W. J. J.
1/3/24
Vice-Principal

G. Sankar
1/3/24
Principal

E-Copy to:

1. The Chairman / CEO / ED
2. The Principal / The Vice-Principal / IQAC
3. The Heads of the various Departments (To circulate to students through mentors) / NB



KRISHNASAMY

College of ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.
☎ (04142) 285 601 - 604 🌐 www.kcet.in ✉ info@kcet.in

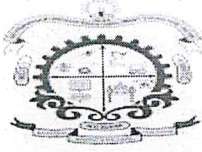
DEPARTMENT OF ECE

ICT SKILL TRAINING ON SCADA AND LABVIEW - ATTENDANCE FORM

YEAR/SEM : IV/VIII

DATE : 04.03.2024

S. NO.	REG. NO	NAME OF THE STUDENT		STUDENTS SIGN
1	421320106001	ABINAYA	K	K. Abinaya
2	421320106002	AKSHAYA	M	M. Akshaya
3	421320106003	AMARNATH	S	S. Amarnath
4	421320106004	AMOHA	J	J. Amoha
5	421320106005	ANBARASI	N	N. Anbarasi
6	421320106006	ASHA PRIYA	N	A. Priya
7	421320106007	BAKIYALAKSHMI	R	Bakiyalakshmi
8	421320106008	CHARUMATHI	E	E. Charumathi
10	421320106010	ENIGOFLEMING	X	X. Eniff
11	421320106011	GANESHAMOORTHY	P	P. Ganesh
12	421320106012	GEETHA	M	G. Geetha
13	421320106013	GIRIDHARPRASATH	N	N. Giridhar
14	421320106014	HARINI	S	S. Harini
15	421320106015	HEMALATHA	J	J. Hemalatha
16	421320106016	JALANDERAN	R	R. Jalandaran
17	421320106018	JAYASRI	J	J. Jayasri
18	421320106019	KRISHNAKUMAR	S	S. Krishnakumar
19	421320106020	LAVANYA	M	M. Lavanya
20	421320106021	MANIMEGALAI	P	P. Manimegalai
21	421320106022	MOHANRAJ	N	N. Mohan Raj
22	421320106023	MUTHUKRISHNAN	P	P. Muthu
23	421320106024	NAVEEN RAJ	J	J. Naveen Raj
24	421320106025	NIVEDHA	S	S. Nivedha
25	421320106026	PRIYANKA	M	P. Priyanka
26	421320106027	RAGAVI	N	R. Ragavi
27	421320106028	RAMPRASATH	G	G. Ramprasad
28	421320106029	SALOMON	K	K. Salomon
29	421320106030	SARANARAYANAN	K	K. Saran
30	421320106031	SARANYA	M	M. Saranya
31	421320106032	SASIKALA	R	R. Sasikala
32	421320106033	SATHYA	R	R. Sathya
33	421320106034	SHAMEER HUSSIAN	N	N. Shameer
34	421320106035	SOORIYA	M	M. Sooriya
35	421320106036	SWETHA	R	R. Swetha
36	421320106037	UMAMAHESWARI	S	S. Umamaheswari
37	421320106038	VENKATESH	A	A. Venkatesh
38	421320106039	VIGNESH	D	D. Vignesh
39	421320106040	VIGNESH	G	G. Vignesh



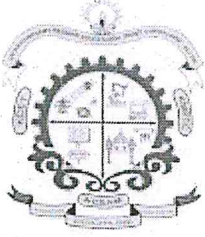
DEPARTMENT OF EEE

ICT SKILL TRAINING ON SCADA AND LABVIEW - ATTENDANCE FORM

YEAR/SEM : IV/VIII

DATE : 04.03.2024

S. NO.	REG. NO	NAME OF THE STUDENT		STUDENTS SIGN
1	421320105001	AJAY	I	I. Ajay
2	421320105002	ANANDH	K	K. Anandh
3	421320105003	ARAVINDHAN	J	J. Aravindh
4	421320105004	ARUNA	M	M. Aruna
5	421320105005	BHARANIDHARAN	S	S. Bharanidharan
6	421320105006	GOKULAKRISHNAN	T	T. Gokulakrishnan
7	421320105007	GUNALAN	M	M. Gunalan
8	421320105008	JABADURAI	S	S. Jabadurai
9	421320105009	KARAN	C	K. Karan
10	421320105010	KARNABOOPATHY	S	S. Karnaboopathy
11	421320105012	KIRUTHIGU-RAJA	R	R. Kiruthiguruja
12	421320105013	KISHORE	S	S. Kishore
13	421320105014	MANIKANDAN	R	R. Manikandan
14	421320105015	MANOJ	M	M. Manoj
15	421320105016	MOHAMED JHAVID	M	M. Mohamed Jhavid
16	421320105017	NANDHAKUMAR	K	N. Nandhakumar
17	421320105018	NANTHINIDÉVI	V	V. Nanthinidévi
18	421320105019	PRADEESH	B	B. Pradeesh
19	421320105020	PRAVEESH	S	S. Praveesh
20	421320105021	RAGURAMAN	N	N. Raguraman
21	421320105022	RAJESH	R	R. Rajesh
22	421320105023	SANJAY	E	E. Sanjay
23	421320105024	SUDHARASHAN	R	R. Sudharasan
24	421320105025	SUGASINI	S	S. Sugasini
25	421320105026	THIVAKARAN	K	T. Thivakaran
26	421320105029	VASANTHAKUMAR	V	← AB →
27	421320105030	VIBOOSHNAVI	P	P. Vibooishnavi
28	421320105031	VIGNESH	G	G. Vignesh
29	421320105032	VIGNESH	S	S. Vignesh
30	421320105033	VINITH	V	V. Vinith
31	421320105034	VISHVA	V	V. Vishva
32	421320105301	AKASH	A	← AB →
33	421320105302	ANANDRAJ	R	R. Anandraj
34	421320105303	ARJUN	S	S. Arjun
35	421320105304	BALAJI	K	K. Balaji
36	421320105305	BALAJI	R	R. Balaji
37	421320105307	HARISH	R	R. Harish
38	421320105308	HEMASHREE	U	U. Hemashree



KRISHNASAMY

College of

ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University

Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.

☎ (04142) 285 601 - 604

🌐 www.kcet.in

✉ info@kcet.in

DEPARTMENT OF ECE

KCET/ECE/2023-2024/ICT/01

12.03.2024

EVENT REPORT

Title of the event: Importance of SCADA and Labview Software

Date of the event: 04.03.2024

Number of participants: 91

Resource person: Dr. D. Periyazhagar, ASP/EEE

Description of the event:

The students were trained on the following topics related to the title such as

- Components of typical SCADA system
- Remote Terminal Units (RTUs)
- Master Terminal Units (MTUs)
- Automation of Electrical Distribution System
- Substation Control using SCADA
- Motor Speed Controlling through Voice & LabVIEW
- Speech Recognition Project using LabVIEW
- Speech Synthesis based on the Recognition of Optical Character using LabVIEW
- LabVIEW & DAQ based Data Monitoring in Real-Time for PV Solar Cell

[Signature]
12/3/24
HOD/ECE

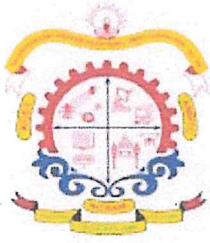
[Signature]
HOD/EEE
12/3/24

[Signature]
12/3/24
Vice-Principal

[Signature]
12/3/24
Principal

E-Copy to:

1. The Chairman / CEO / ED
2. The Principal / The Vice-Principal / IQAC
3. The Heads of the various Departments (To circulate to students through mentors) / NB

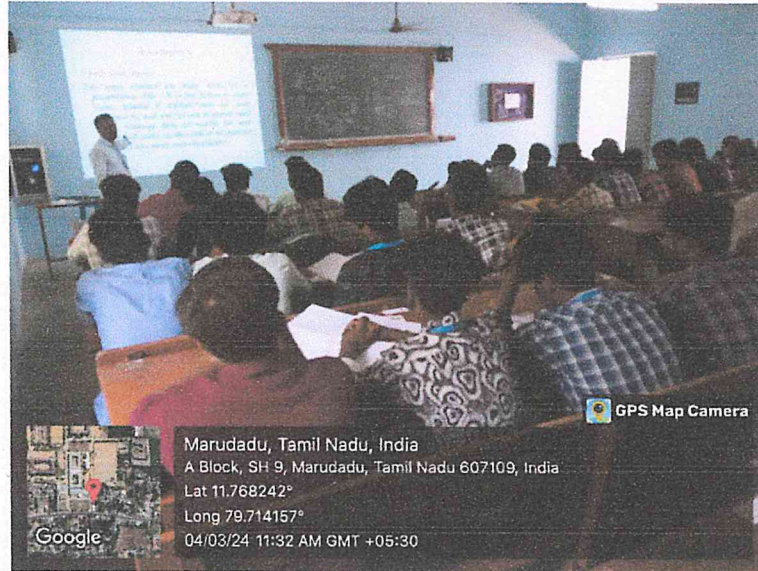


KRISHNASAMY

College of
ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.
☎ (04142) 285 601 - 604 🌐 www.kcet.in ✉ info@kcet.in

ICT SKILL TRAINING ON SCADA AND LABVIEW SOFTWARE



**STUDENTS WERE TRAINED BY Dr. D. PERIYAAZHAGAR, ASP/EEE
CONDUCTED ON 04.03.2024**



KRISHNASAMY
College of
ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University
Anand Nagar, Nellikuppam Main Road, S. Kamarapuram, Cuddalore - 607 109, Tamil Nadu.
☎ (04142) 285 601 - 604 ● www.kcet.in ✉ info@kcet.in

DEPARTMENT OF MECHANICAL ENGINEERING

KCET/MECH/CIR/2023-2024/ICT/01

18.10.2023

Circular

ICT SKILL TRAINING

It is proposed to conduct the ICT/Computing skill training for the students of IV year Mechanical on the topic “**Computational Fluid Dynamics (CFD)**” all the students are here by informed to attend the design skills training programme on 25.10.2023.

Venue: C-Block I floor CAD lab.

For L. Princy
18/10/23
HOD/MECH

18/10/23
Vice-Principal

18/10/23
Principal

E-Copy to:

- 1. The Chairman / CEO / ED**
- 2. The Principal / The Vice-Principal / IQAC**
- 3. The Heads of the various Departments (To circulate to students through mentors) / NB**



DEPARTMENT OF MECHANICAL ENGINEERING

KCET/MECH/2023-2024/ICT/01

30.10.2023

EVENT REPORT

Title of the Event: Computational Fluid Dynamics

Date of the Event: 25.10.2023

Number of Participants: 42

Resource Person: Er. P.Prakash, AP/MECH

Description of the event:

CFD is a crucial area within mechanical engineering that focuses on the numerical simulation of fluid flow, heat transfer, and related physical processes. Mastering CFD skills enables mechanical engineers to analyze complex systems and optimize designs efficiently.

1. Fundamental CFD Knowledge

- **Basic Fluid Mechanics:** Understanding the principles of fluid flow, including continuity, momentum, and energy equations.
- **Governing Equations:** Familiarity with Navier-Stokes equations, turbulence models, and heat transfer equations.
- **Dimensional Analysis:** Knowledge of non-dimensional numbers (Reynolds number, Prandtl number, etc.) and their significance in fluid dynamics.

. CFD Software Proficiency

- **Popular CFD Tools:**
 - ANSYS Fluent
 - OpenFOAM
 - STAR-CCM+
 - COMSOL Multiphysics
 - Autodesk CFD

Software Skills:

- Navigating the user interface
- Setting up simulations (geometry, boundary conditions, material properties)
- Meshing techniques for accurate simulations
- Running simulations and monitoring convergence



KRISHNASAMY

College of
ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.
☎ (04142) 285 601 - 604 🌐 www.kcet.in ✉ info@kcet.in

3. Meshing Techniques

- **Types of Meshes:**
 - Structured, unstructured, hybrid meshes
- **Mesh Quality and Refinement:**
 - Importance of mesh quality (aspect ratio, skewness, orthogonality)
 - Techniques for local mesh refinement (boundary layers, areas of high gradients)
- **Adaptive Meshing:**
 - Using adaptive meshing for regions with dynamic fluid behavior

4. Turbulence Modeling

- **Understanding Turbulence Models:**
 - RANS (Reynolds-Averaged Navier-Stokes)
 - LES (Large Eddy Simulation)
 - DNS (Direct Numerical Simulation)
- **Application of Turbulence Models:**
 - Choosing appropriate turbulence models for different applications
 - Configuring turbulence model settings for accuracy

5. Heat Transfer Analysis

- **Conjugate Heat Transfer (CHT):**
 - Simulating heat transfer between solids and fluids
- **Thermal Boundary Conditions:**
 - Setting up temperature, heat flux, and convective boundary conditions
- **Radiative Heat Transfer:**
 - Modeling radiative heat transfer effects in CFD

6. Multi-Phase Flow Simulation

- **Types of Multi-Phase Flow:**
 - Liquid-gas, solid-liquid, liquid-liquid interactions
- **Models for Multi-Phase Flow:**
 - Volume of Fluid (VOF), Eulerian-Eulerian, Lagrangian methods
- **Applications:**
 - Simulating cavitation, droplet breakup, slurry flows, etc.



KRISHNASAMY

College of
ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University

Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.

☎ (04142) 285 601 - 604

🌐 www.kcet.in

✉ info@kcet.in

7. Post-Processing and Data Analysis

- **Visualizing CFD Results:**
 - Contour plots, vector fields, streamlines
- **Quantitative Analysis:**
 - Calculating parameters like pressure drop, lift and drag forces, heat transfer coefficients
- **Report Generation:**
 - Creating visualizations and technical reports based on simulation results

8. Validation and Verification Techniques

- **Grid Independence Study:**
 - Ensuring results are not dependent on mesh size
- **Comparison with Experimental Data:**
 - Validating CFD results against physical experiments
- **Sensitivity Analysis:**
 - Assessing the impact of various input parameters on results

Applications of CFD in Mechanical Engineering

- **Automotive:** Aerodynamics, thermal management, internal combustion engine simulations.
- **Aerospace:** Aircraft wing design, propulsion systems, external flow analysis.
- **HVAC:** Ventilation systems, heating/cooling load calculations, air quality analysis.
- **Turbomachinery:** Blade design, compressor and turbine flow analysis.
- **Oil and Gas:** Pipeline flow simulations, multiphase flow analysis, heat exchanger design.

Conclusion

Developing CFD skills equips mechanical engineers with the ability to simulate and analyze complex fluid dynamics problems, optimize designs, and improve product performance. Proficiency in CFD software, coupled with a deep understanding of fluid mechanics principles, enables successful application across various industries.

For *J. Prabh*
HOD 30/10/22

U. S.
Vice-Principal 30/10/22

K. S.
Principal 30/10/22

E-Copy to:

1. The Chairman / CEO / ED
2. The Principal / The Vice-Principal / IQAC
3. The Heads of the various Departments (To circulate to students through mentors) / NB

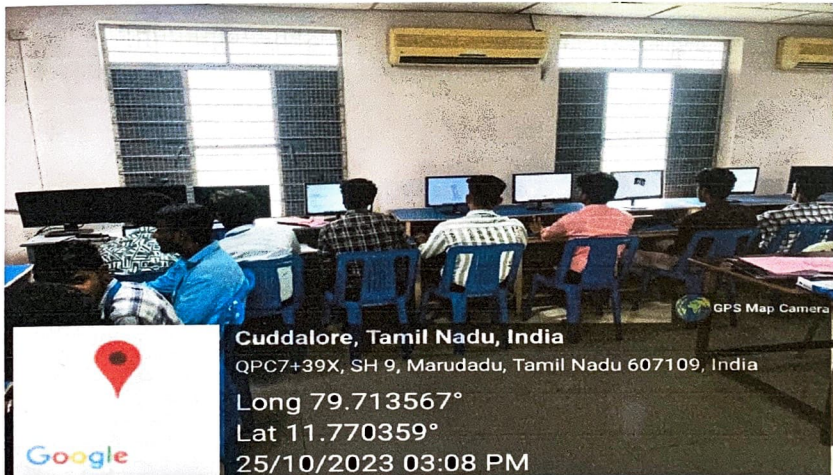
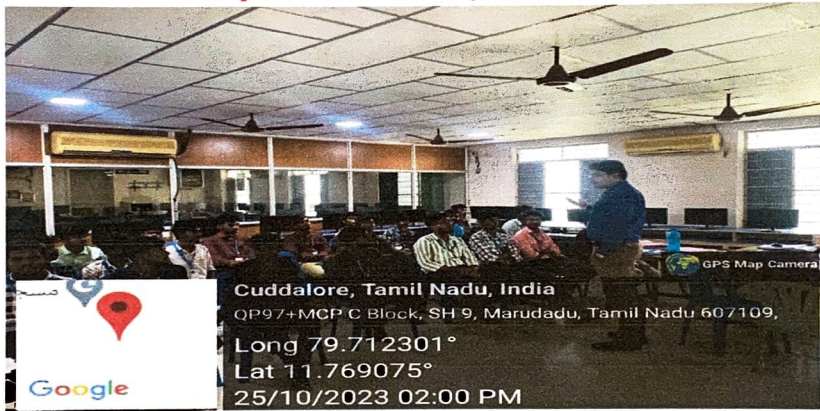


KRISHNASAMY

College of
ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.
☎ (04142) 285 601 - 603 🌐 www.kcet.in ✉ info@kcet.in

ICT SKILL TRAINING On **Computational Fluid Dynamics (CFD)**



STUDENTS WERE GUIDED BY Er. P.PRAKASH, AP/MECH

CONDUCTED ON 25-10-2023

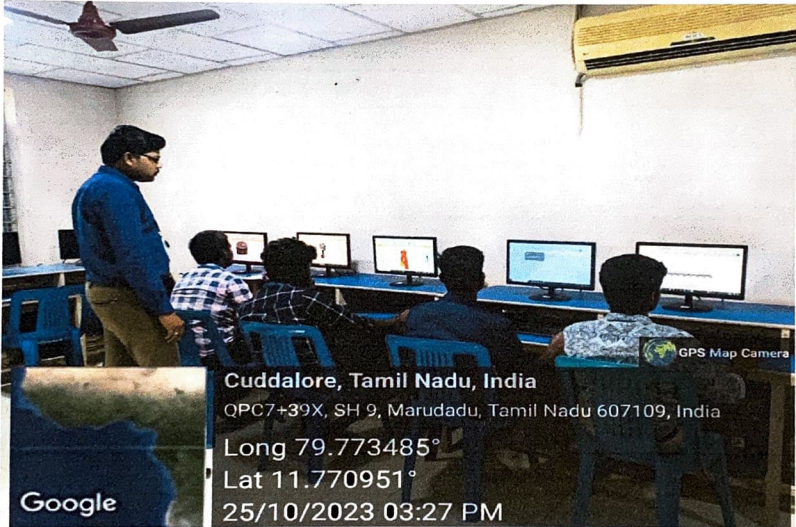


KRISHNASAMY

College of
ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.
☎ (04142) 285 601 - 604 🌐 www.kcet.in ✉ info@kcet.in

ICT SKILL TRAINING On **Computational Fluid Dynamics (CFD)**



Cuddalore, Tamil Nadu, India

QPC7+39X, SH 9, Marudadu, Tamil Nadu 607109, India

Long 79.773485°

Lat 11.770951°

25/10/2023 03:27 PM

STUDENTS WERE GUIDED BY Er. P.PRAKASH, AP/MECH

CONDUCTED ON 25-10-2023



G. Elango
25/10/23

Dr. G. ELANGO, M.E., Ph.D
PRINCIPAL,
KRISHNASAMY COLLEGE OF
ENGINEERING & TECHNOLOGY,
S.KUMARAPURAM, CUDDALORE-607109



KRISHNASAMY

College of
ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.
☎ (04142) 285 601 - 604 🌐 www.kcet.in ✉ info@kcet.in

DEPARTMENT OF MECHANICAL ENGINEERING

ICT SKILL TRAINING ON "Computational Fluid Dynamics (CFD)"

ATTENDANCE FORM

YEAR/SEM : IV/VII

DATE : 25.10.2023

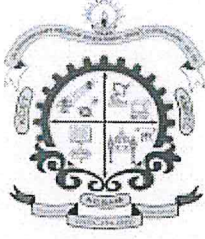
S. NO.	REG. NO	NAME OF THE STUDENT	STUDENTS SIGN
1	421320114001	ABISHEK B	B. Abish
2	421320114002	ALAN C MOHAN	Alan C Mohan
3	421320114003	BALACHANDAR P.	P. Bal
4	421320114004	BALASUBRAMANIYAN V	V. Bal
5	421320114005	DHIVAGAR A	D. Divy - A.
6	421320114006	HARIHARAN G	G. Hariharan
7	421320114007	JABBAR HUSSAIN K	J. Jabbar
8	421320114008	KALAISELVAN K	K. Kaliselvan
10	421320114009	KALAIYARASAN T	T. Kalai
11	421320114010	KISHORE KUMAR V	V. Kishore Kumar
12	421320114011	KRISHNARAJ R	R. Krishnaraj
13	421320114012	MANOJ V	V. Manoj
14	421320114013	NAVINRAJ S	S. Navinraj
15	421320114014	PRIYADHARSHAN A	A. Priyadharshan
16	421320114015	SANTHOSHKUMAR M	M. Santhosh Kumar
17	421320114016	SATHIYAN S	S. Sathyan
18	421320114017	SHEIK AMEENULLA A	A. Sheikh Ameenu
19	421320114018	SIVA K	K. Siva
20	421320114019	SUBASH S	S. Subash
21	421320114020	VETRIVEL S	S. Vetrivel
22	421320114021	YUGAESHWARAN D	D. Yugaeshwaran
23	421320114301	ABINESH D	D. Abin
24	421320114302	AKASH M	M. Akash
25	421320114303	AROCKIA JACKO KINGSLY A	A. Arockia Jacko Kingsly
26	421320114304	ARUNACHALAM V	V. Arunachalam
27	421320114305	AVINASH S	S. Avinash
28	421320114306	CHOKKALINGAM S	S. Chokalingam
29	421320114307	DEENA M	M. Deena
30	421320114308	DHINESH S	S. Dhinesh

S. NO.	REG. NO	NAME OF THE STUDENT	STUDENTS SIGN
31	421320114309	HARI KRISHNAN K	Hari Krishnan
32	421320114310	JAGADEESH S	J. Jagadeesh
33	421320114312	KARTHICK M	Karthick M
34	421320114313	KARTHICK RAJA T	Karthick Raja T
35	421320114314	MAHESH KUMAR R	M. Mahesh Kumar R
36	421320114315	MANIKANDAN G	M. Manikandan G
37	421320114316	MOHAN RAJ S	M. Mohan Raj S
38	421320114317	NAVEENKUMAR N	N. Naveenkumar N
39	421320114318	PRADEEP M	P. Pradeep M
40	421320114319	SASIDHARAN S	S. Sasidharan S
41	421320114320	SUBASH S	S. Subash S
42	421320114322	VETRI SELVAN T	V. Vetri Selvan T

For Deputy
25/10/23
HOD

h/w
25/10/23
VICE PRINCIPAL

G. Anand
25/10/23
PRINCIPAL



KRISHNASAMY

College of

ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University

Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.

☎ (04142) 285 601 - 604

🌐 www.kcet.in

✉ info@kcet.in

DEPARTMENT OF CSE

KCET/CSE/CIR/2023-2024/ICT/01

06.10.2023

Circular

ICT SKILL TRAINING

It is proposed to conduct the ICT/Computing skill training for the students of IV year CSE on the topic “**Roadmap to becoming a Full-Stack Java Developer**” on 13.10.2023. In this connect, the II-year students of MCA are also requested to take part in this training session.

Venue: A – Block I Floor Seminar Hall

C. Rajesh
6/10/23
HOD/CSE

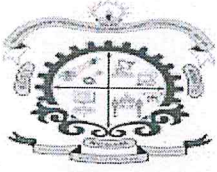
H. S.
6/10/23
Vice-Principal



G. Elango
6/10/23
Principal
DR. G. ELANGO, M.E., Ph.D
PRINCIPAL,
KRISHNASAMY COLLEGE OF
ENGINEERING & TECHNOLOGY,
S. KUMARAPURAM, CUDDALORE-607109

E-Copy to:

1. The Chairman / CEO / ED
2. The Principal / The Vice-Principal / IQAC
3. The Heads of the various Departments (To circulate to students through mentors) / NB



DEPARTMENT OF CSE

**ICT SKILL TRAINING ON Roadmap to becoming a Full-Stack Java Developer”
ATTENDANCE FORM**

YEAR/SEM : IV/VIII

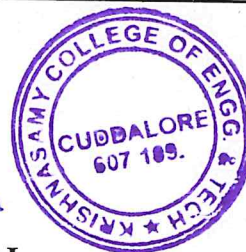
DATE : 13.10.2023

S. NO.	REG. NO	NAME OF THE STUDENT		STUDENTS SIGN
1	421320104001	AARTHI	S	S. Arathi
2	421320104002	AFREENA	A	A. Afreena
3	421320104003	ARULDOSS	N	Aruln
4	421320104004	ASHIBA BEGAM	M	Ashiba
5	421320104005	BALAJI	T	T. Balaji
6	421320104006	BARANI	S	B. Barani
7	421320104007	BAVITHRA	V	B. Bavithra
8	421320104008	DHINESH KUMAR	S	S. Dhinesh
10	421320104009	DURGALAKSHMI	V	V. Durgalakshmi
11	421320104010	GUNASEKARAN	V	V. Gunasekaran
12	421320104011	HARIHARASUDHAN	K	K. Hariharasudhan
13	421320104012	HARISH	B	Harish. B
14	421320104013	JEEVITHA	G	G. Jeevitha
15	421320104014	KAMIL MOHAMED	MS	MS. Kamil
16	421320104015	KEERTHIGA	M	M. Keerthiga
17	421320104016	KEERTHIGA	S	S. Keerthiga
18	421320104017	KURALARASAN	JR	A. B.
19	421320104018	MANI BHARATHI	M	M. Mani
20	421320104019	MONIKA MARY	E	E. Monika
21	421320104020	MUTHUKUMAR	RK	R. K. Muthukumar
22	421320104021	NAVEEN	N	N. Naveen
23	421320104022	NITHYA	K	K. Nithya
24	421320104023	NITHYAPRIYA	V	V. Nithyapriya
25	421320104024	PAVITHRA	K	K. Pavithra
26	421320104025	PAVITHRA	S	S. Pallavi
27	421320104026	PRAGATHEESWARAN	JR	J. Pragatheeswaran
28	421320104027	PUGALENTHI	S	S. Pugalethi
29	421320104028	PURUSHOTHAMAN	A	A. Pushothaman

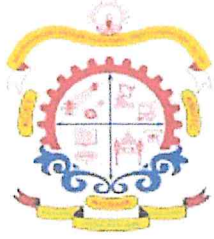
S. NO.	REG. NO	NAME OF THE STUDENT		STUDENTS SIGN
30	421320104029	RABBANI MOHYADEEN	M	Rabbani Mohyaden
31	421320104030	RAGESH	V	R.R. V
32	421320104031	RAMKUMAR	S	S. Ruffa
33	421320104032	RANJITH	V	V. Ranjith
34	421320104033	SANJAY	R	Sanjay
35	421320104034	SANTHIYA	B	B. Santhiya
36	421320104035	SANTHOSHINI	P	Santhoshini
37	421320104036	SARAVANAN	B	B. Saravan
38	421320104037	SARULATHA	S	S. Sarulatha
39	421320104038	SASIKALA	M	M. Sasikala
40	421320104039	SASIKUMAR	R	S. Sasikumar
41	421320104040	SEETHA	R	Seetha
42	421320104041	SHARMILA	B	B. Sharmila
43	421320104042	SINDHUJA	K	K. Sindhuja
44	421320104043	SIVAJOTHI	A	S. Sivajothi
45	421320104044	SIVATHAVASI	V	V. Sivathavasi
46	421320104045	SRIPRIYADHARSHINI	K	S. Sripriyadharsini
47	421320104046	SURIYAPRAKASH	R	R. Suriyakrishna
48	421320104047	THAHIR	H A	Thahir
49	421320104048	THIYAGARAJAN	A	A. Thiagarajan
50	421320104049	VARNAMUTHY	M	M. Varnamuthy
51	421320104050	VIGNESHWARAN	S	S. Vigneshwaran
52	421320104051	YUVARAJ KRISHNAN	D	D. Yuvaraj Krishnan
53	421320104301	GAYATHRI	G	A.B
54	421320104302	MAGESH KUMAR	D	M. Magesh Kumar
55	421320104303	RAMANI	R	R. Ramani
56	421320104304	SURESH	P	P. Suresh
57	421320104305	VIGNESHWARAN	R	R. Vigneshwaran
58	421320104701	RATHISH	J	J. Rathish
59	421320104702	MOHAMED AASIK	A	M. Aasik

C. Rajesh
B/10/23
HOD/CSE

U/W
2/10/23
VICE PRINCIPAL



Principal
13/10/23
Dr. G. ELANGU, M.E., Ph.D
PRINCIPAL,
KRISHNASAMY COLLEGE OF
ENGINEERING & TECHNOLOGY.



KRISHNASAMY

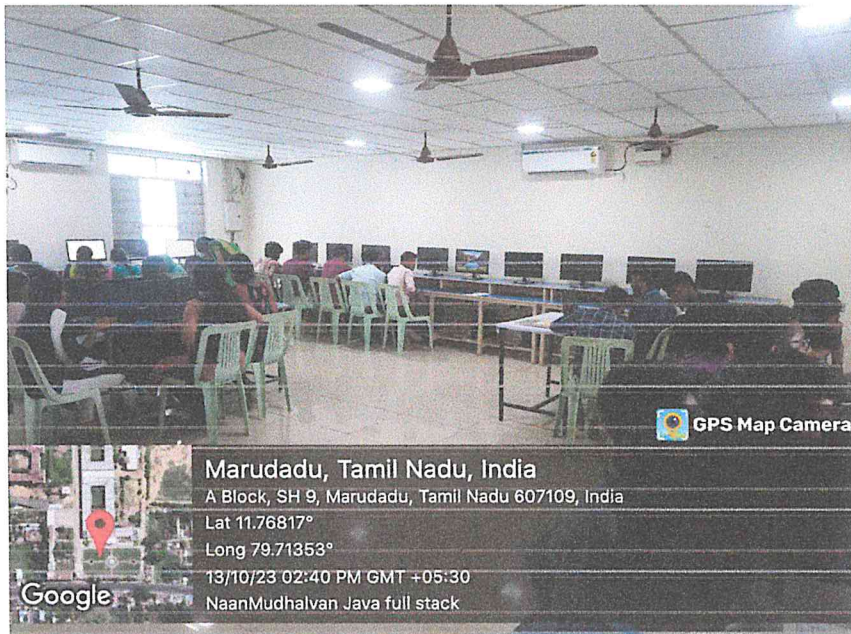
College of
ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.
☎ (04142) 285 601 - 604 🌐 www.kcet.in ✉ info@kcet.in

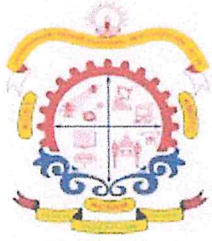
ICT SKILL TRAINING

On

Roadmap to Becoming a Full-Stack Java Developer on 13.10.2023



STUDENTS WERE GUIDED BY Er. N. THANIGAIVEL, AP/CSE



KRISHNASAMY

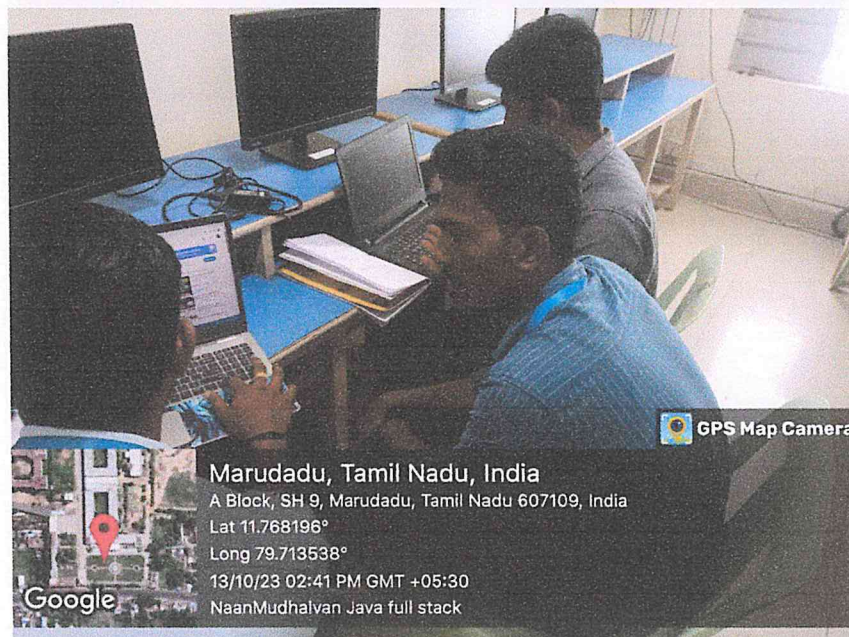
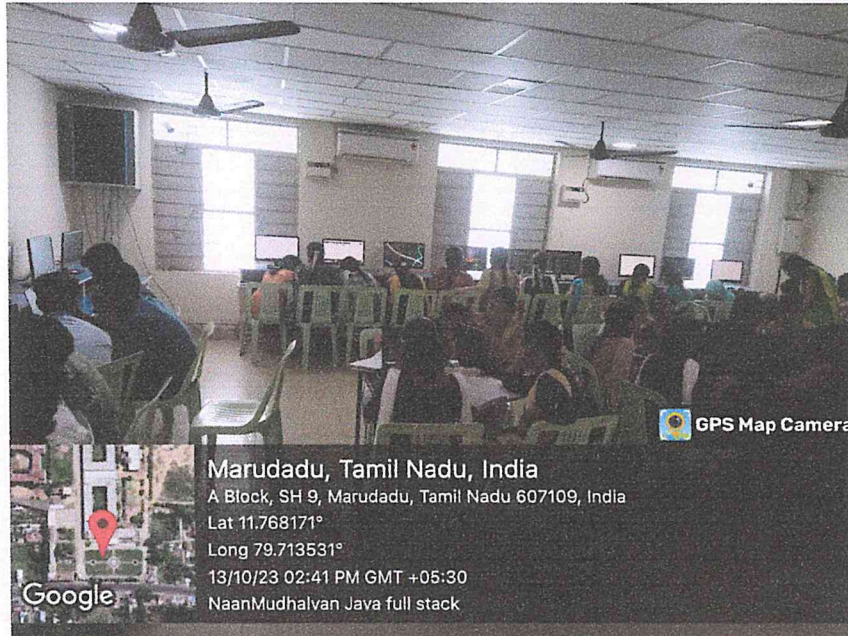
College of
ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.
☎ (04142) 285 601 - 604 🌐 www.kcet.in ✉ info@kcet.in

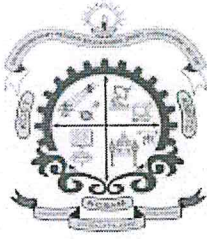
ICT SKILL TRAINING

On

Roadmap to Becoming a Full-Stack Java Developer on 13.10.2023



STUDENTS WERE GUIDED BY Er. N. THANIGAIVEL, AP/CSE



DEPARTMENT OF CSE

KCET/CSE/2023-2024/ICT/01

16.10.2023

EVENT REPORT

Title of the Event: Roadmap to becoming a Full-Stack Java Developer

Date of the Event: 13.10.2023

Number of Participants: 57

Resource Person: Er. N. Thanigaivel, AP/CSE

Description of the event:

To evolve as a full-stack developer,

1. Identify your skills

HTML, Java, JavaScript, CSS, SQL, etc.

Some of these skills involve front-end development skills, and some include back-end programming skills.

2. Front-end programming skills

The front end deals with the user interface, the website's appearance, and how dynamic and interactive the website is.

i) HTML

HTML stands for Hypertext Markup Language. It supports the front end as a whole. HTML and CSS are the building blocks of a website.

The front-end developer's job is facilitating communication between the app's users and the backend.

Every aspect of the website is represented in HTML. For instance, a website's layout, images, sections, links, and other elements are significant because they all add to its overall aesthetic. The structure and content both contribute to the front-end development work.

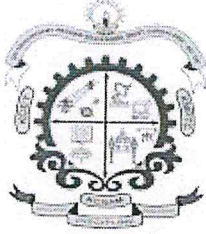
ii) CSS

Another essential aspect of a full-stack developer is communicating and comprehending with each client according to the business's nature and requirements.

CSS is essential for creatives. CSS lets you add colors, borders to headings and paragraphs, a navigation bar, icons, fonts, text, and and more.

iii) JavaScript

In a full-stack Java developer course, aspiring developers learn different programming languages like API (Application Program Interface) and DOM (Document Object Model).



KRISHNASAMY

College of
ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.
☎ (04142) 285 601 - 604 🌐 www.keet.in ✉ info@keet.in

3. Backend Development

The logic for sending and receiving the correct data from and to the client is built into the code that runs on the server.

The developers' code moves information from the database to the browser. Data from the database is sent to the browser through code that back-end developers write.

Some back-end frameworks include Express, NodeJS, Ruby on Rails, Django, etc.

4. Database

There are two kinds of databases: SQL and NoSQL, relational and non-relational, respectively. Developers must be well-versed in the database, as it is the collection of data that the stack developers manage to store and retrieve.

The most popular databases are MongoDB, VoltDB, MySQL, SQLite, Apache Storm, and Sphinx.

5. Version control

To become a good full-stack developer, you must track and manage all product code changes. Each application undergoes multiple revisions before going live. In this instance, modifications must be tracked. Version control lets you track your project and manage changes accurately and quickly.

Git can help you track your code if you get confused when coding. However, to be an effective Full Stack developer, you must understand GIT or another VCS (Version Control System) like GitLab, bitbucket, etc

So, to conclude

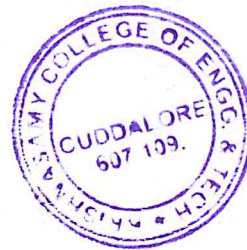
Full-stack software development has grown in practically every company. This path outlines the fundamental and intermediate abilities needed to become a full-stack developer.

C. Rajan
16/10/23

HOD/CSE

M. J. V.
16/10/23

Vice-Principal



G. Elango
16/10/23

Principal

DR. G. ELANGO, M.E., Ph.D

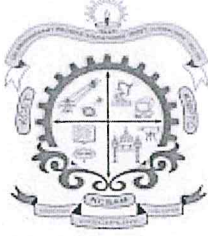
PRINCIPAL,

**KRISHNASAMY COLLEGE OF
ENGINEERING & TECHNOLOGY,**

S. KUMARAPURAM, CUDDALORE-607109

E-Copy to:

1. The Chairman / CEO / ED
2. The Principal / The Vice-Principal / IQAC
3. The Heads of the various Departments (To circulate to students through mentors) / NB



KRISHNASAMY

College of
ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.
☎ (04142) 285 601 - 604 🌐 www.kcet.in ✉ info@kcet.in

DEPARTMENT OF CIVIL ENGINEERING

KCET/CIVIL/CIR/2023-2024/ICT/01

04.10.2023

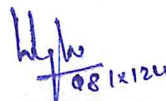
Circular

ICT SKILL TRAINING

It is proposed to conduct the ICT/Computing skill training for the students of IV year Civil on the topic “3D Printing in Construction” all the students are here by informed to attend the design skills training programme on 06.10.2023.

Venue: C-Block I floor Seminar Hall.

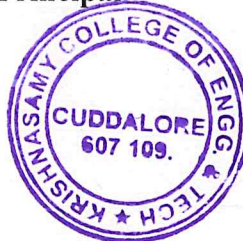

HOD/CIVIL


Vice-Principal

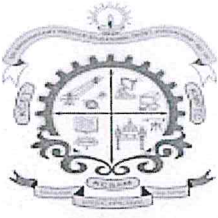

Principal

E-Copy to:

1. The Chairman / CEO / ED
2. The Principal / The Vice-Principal / IQAC
3. The Heads of the various Departments (To circulate to students through mentors) / NB



Dr. G. ELANGO, M.E., Ph.D
PRINCIPAL,
KRISHNASAMY COLLEGE OF
ENGINEERING & TECHNOLOGY,
S. KUMARAPURAM CUDDALORE-607 109



KRISHNASAMY

College of

ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University

Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.

(04142) 285 601 - 604 www.keet.in info@keet.in

DEPARTMENT OF CIVIL ENGINEERING

ICT SKILL TRAINING ON "3D Printing in Construction"

ATTENDANCE FORM

YEAR/SEM : IV/VII

DATE : 06.10.2023

S. NO.	REG. NO	NAME OF THE STUDENT		STUDENTS SIGN
1	421320103001	ANBARASAN	J	Anbarasan
2	421320103002	ANSAR ALI	K	Ansar Ali
3	421320103004	GAYATHRI	M	G. Gayathri
4	421320103006	NIFAS AHAMED	J	Nifas Ahamed
5	421320103007	PRASANNA	B	Prasanna
6	421320103008	RAGUL	T	T. Ragul
7	421320103301	JAYASURYA	M	Jayasurya
8	421320103302	JEGAN	V	Jegan v.
9	421320103303	SANTHOSH	K	K. Santhosh
10	421320103304	SANTHOSH KUMAR	S	Santhosh Kumar
11	421320103305	SYED SOHAIL	S	Syed Sohail
12	421320103306	YASAR ARAFATH	B	Yasar Arafath

[Signature]

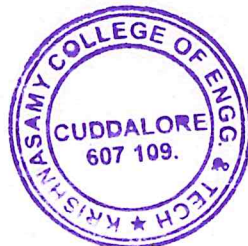
HOD/CIVIL

[Signature]
8/10/23

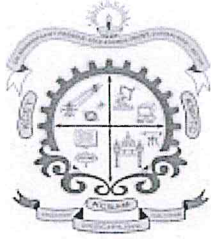
VICE PRINCIPAL

[Signature]
06/10/23

PRINCIPAL



Dr. G. ELANGO, M.E., Ph.D
PRINCIPAL,
KRISHNASAMY COLLEGE OF
ENGINEERING & TECHNOLOGY,
S.KUMARAPURAM, CUDDALORE-607109



DEPARTMENT OF CIVIL ENGINEERING

KCET/CIVIL/2023-2024/ICT/01

10.10.2023

EVENT REPORT

Title of the Event: 3D Printing in Construction

Date of the Event: 06.10.2023

Number of Participants: 12

Resource Person: Er. V.THIRUMURUGAN, AP/CIVIL

Description of the event:

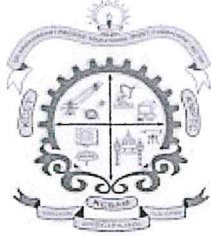
3D printing, also known as additive manufacturing, is revolutionizing the construction industry by offering innovative solutions for building structures more efficiently and sustainably. This report explores the technologies, benefits, challenges, and future prospects of 3D printing in construction.

Overview of 3D Printing Technologies

1. **Concrete 3D Printing:** Utilizes concrete mixtures extruded through a nozzle to create structural components layer by layer.
2. **Binder Jetting:** Involves the use of a binder material to bond layers of powdered material, creating complex shapes.
3. **Fused Deposition Modeling (FDM):** A common 3D printing technique that extrudes thermoplastic materials to form structures.
4. **Robotic Arm Printing:** Employs robotic arms equipped with extrusion heads to print large-scale structures with high precision.

Benefits of 3D Printing in Construction

1. **Cost Efficiency:** Reduces labour costs and material waste, leading to overall savings in project budgets.
2. **Speed:** Accelerates the construction timeline by enabling faster assembly and fewer delays compared to traditional methods.



KRISHNASAMY

College of
ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University

Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.

☎ (04142) 285 601 - 604

🌐 www.kcet.in

✉ info@kcet.in

3. **Design Flexibility:** Allows for the creation of complex and customized designs that are difficult or impossible to achieve with conventional construction techniques.
4. **Sustainability:** Minimizes waste by using only the material needed for construction and can utilize recycled materials.
5. **Safety:** Reduces the need for manual labour in hazardous environments, enhancing worker safety.

Challenges and Limitations

1. **Regulatory Hurdles:** Building codes and regulations are often not updated to accommodate 3D-printed structures, complicating approvals.
2. **Material Limitations:** While concrete and plastics are commonly used, the range of suitable materials for 3D printing is still limited compared to traditional construction.
3. **Structural Integrity:** Ensuring the durability and load-bearing capacity of 3D-printed structures requires further research and testing.
4. **Skilled Workforce:** A shortage of trained professionals who understand 3D printing technology and its applications in construction.

Case Studies

1. **ICON (USA):** Developed a 3D-printed home in Austin, Texas, using a proprietary concrete mixture. The project demonstrated the potential for affordable housing solutions.
2. **Apis Cor (Russia):** Successfully printed a house in 24 hours using a mobile 3D printer. This showcased the speed and efficiency of the technology.
3. **ETH Zurich (Switzerland):** Created a robotic 3D printing system for constructing complex architectural forms, emphasizing design freedom and material efficiency.

Future Prospects

1. **Advancements in Materials:** Research into new materials, including composites and bio-based options, will enhance the capabilities of 3D printing in construction.
2. **Integration with AI and Robotics:** Combining 3D printing with AI and robotics will improve precision and automate construction processes further.
3. **Global Expansion:** As technology becomes more accessible, 3D printing is expected to be adopted in developing countries for affordable housing solutions.



KRISHNASAMY

College of
ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.
☎ (04142) 285 601 - 604 🌐 www.kcet.in ✉ info@kcet.in

Conclusion

3D printing in construction presents a transformative opportunity to improve efficiency, reduce costs, and promote sustainability. Despite challenges, ongoing advancements and increased acceptance within the industry suggest a promising future for this innovative technology. Continued research, collaboration, and regulatory adaptation will be crucial in unlocking its full potential.

P. Divya

HOD/CIVIL

Hyle

Vice-Principal



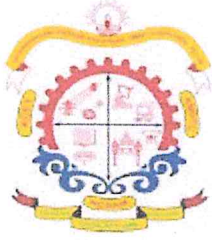
G. Elango
10/10/23

Principal

Dr. G. ELANGO, M.E., Ph.D
PRINCIPAL,
KRISHNASAMY COLLEGE OF
ENGINEERING & TECHNOLOGY,
S. KUMARAPURAM, CUDDALORE 607 109

E-Copy to:

1. The Chairman / CEO / ED
2. The Principal / The Vice-Principal / IQAC
3. The Heads of the various Departments (To circulate to students through mentors) / NB

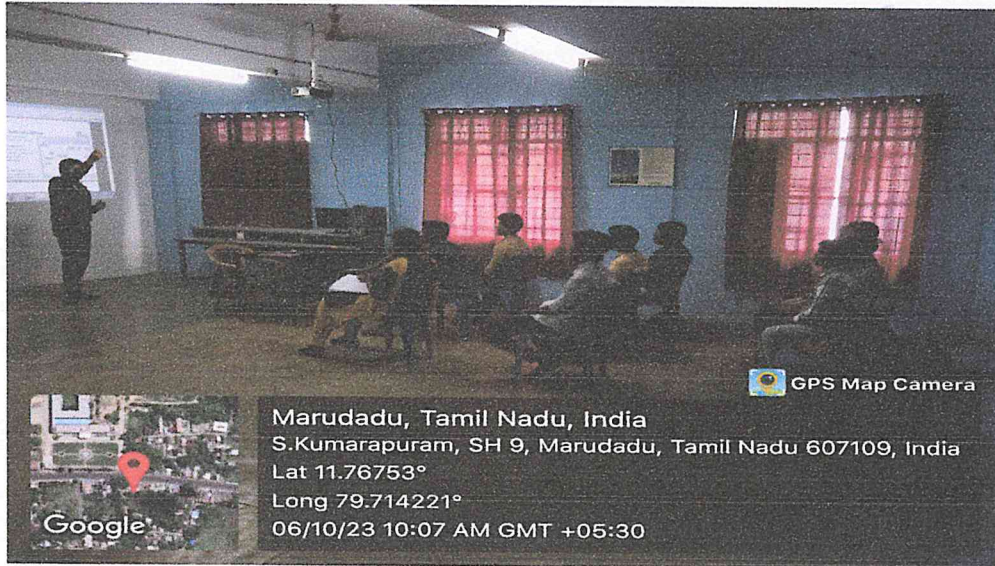


KRISHNASAMY

College of
ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.
☎ (04142) 285 601 - 604 🌐 www.kcet.in ✉ info@kcet.in

ICT SKILL TRAINING On **3D Printing in Construction**



**STUDENTS WERE GUIDED BY Er. V. THIRUMURUGAN, AP/CIVIL
CONDUCTED ON 06.10.2023**

G. Elango 10/10/23

DR. G. ELANGO, M.E., Ph.D
PRINCIPAL,
KRISHNASAMY COLLEGE OF
ENGINEERING & TECHNOLOGY,
S. KUMARAPURAM, CUDDALORE, TAMIL NADU