DEPARTMENT OF ECE

KCET/ECE/CIR/2022-2023/ICT-CS/1   03.03.2023

Circular

ICT SKILL TRAINING

It is proposed to conduct the ICT/Computing skill training for our students of IV year on the below mentioned topic with the joint venture of Naan Mudhalvan team from 24.03.2023 to 19.05.2023.

S. No.	Name of The Skill Enhancement Program	Department	Date of The Program	Agencies/Consultants
1.	Professional readiness for Innovation, Employability & Entrepreneurship (PRIEE)	ECE	24.03.2023 to 19.05.2023	IBM - Smart Interenz

HOD/ECE 03/3/23   SPOC - NM   Vice-Principal   Principal

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Cuddalore-607 1·

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

WORKSHOP OBJECTIVES

- To empower the students with technical skills to require solving a real-world challenge
- To train the students on the approach to building solutions by applying critical thinking and problem-solving capabilities in a collaborative environment.
- To mentor the students in building proof-of-concept solutions by applying design thinking concepts.
- To introduce the standard project development methodologies followed in the industry to the students
- To develop the professional skills like teamwork, leadership qualities, communication in the students
- To enhance the employability of students in order to get them internships and job opportunities

Course Content:

Artificial Intelligence

- Introduction to Artificial Intelligence
- Python for Artificial Intelligence
- Data Wrangling Techniques
- Introduction to Neural Networks
- Tensorflow & Keras
- Convolutional Neural Networks
- Natural Language Processing
- Build and Deploy AI Applications

Data Science

- Introduction to Data Science
- Python for Data science
- Data Wrangling Techniques
- Data visualization
- Supervised Learning - Regression
- Supervised Learning – Classification
- Unsupervised Learning
- IBM Cloud & Watson Services Build and Deploy Machine Learning Applications

Data Analytics & Visualizations

- Introduction to Data Analytics
- Python for Data Analysis
- Extract data from database, txt files, webscrapping
- Data Visualization using Matplotlib, seaborn
- Data Visualization using Plotly
- Data Visualization using Pygal, Bokeh etc.
- Build Visualization Dashboards & Stories
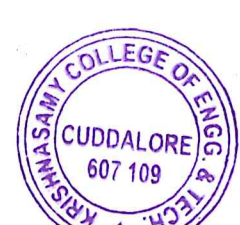
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Internet of Things (IoT)

- Introduction to Internet of Things (IoT)
- Building Blocks of IoT
- Design an IoT Device
- Getting Started with Arduino UNO & Tinkercad Platform
- Getting started with ESP32
- Integrate TMP36 Sensor with Arduino UNO
- Integrate Ultrasonic Sensor with Arduino UNO
- Integrate Servo Motor with Arduino UNO
- IoT Communication Technologies
- IoT protocols
- HTTP & MQTT Practical's
- Introduction to Python
- Python - Collection Data Types, Functions
- Modules Files I/O
- Getting started with Raspberry PI
- Raspberry Pi as a Gateway
- Introduction to Cloud
- IBM Cloud & IoT Platform Architecture
- Create and Configure IBM IoT Platform
- IBM Watson IoT Platform Hands-on with online simulator
- Getting Started Node-RED Service
- Web Application Development using Node-RED Service
- Mobile Application Development using MIT App Inventor
- IBM Cloudant DB & its Practical's
- Introduction to Computer Vision with Python
- Introduction to IBM Watson AI & Building Intelligent Devices

## Cloud Application Developer Modern Application Development

- Hands-on with web application development
- Python – Flask Framework
- IBM DB2
- IBM Object Storage
- IBM Watson Assistant
- Containers & Kubernetes
- IBM Container Register

Expected Outcomes

- Understand the leading technologies and apply them for solving real-world problems
- Understand the concepts of design thinking and agile methodologies
- Develop professional skills like teamwork, time management, communication and project management skills
- Understand various digital tools & best practices followed in the industry
- Develop the products from scratch i.e. idea to working prototype
- Industry course completion certificate from IB
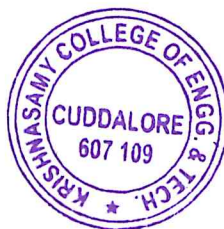
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Cuddalore-607 109.
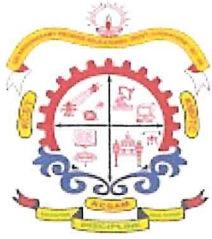
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ICT SKILLS TRAINING

Session handled by an External Expert on "Professional readiness for Innovation,Employability & Entrepreneurship(PRIEE)"

GPS Map Camera

Marudadu, Tamil Nadu, India
QP97+MCP C Block, SH 9, Marudadu, Tamil Nadu 607109, India
Lat 11.769135°
Long 79.713615°
21/04/23 10:09 AM GMT +05:30

Glimpse of Students trained with hands on practice at Laboratory

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Cuddalore-607 109
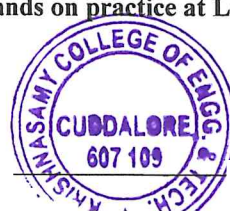
Krishnasamy
College of Engineering & Technology
Naan Mudhalvan - A Massive Upskilling Programme
Department of Electronics and Communication Engineering
Students Attendence Details for Professional Readiness for Innovation, Employability and Entrepreneurship (PRIEE)
Academic Year-2022-2023

Year/Semester: III/ 6th Semester

Sl. No	Register No.	Name of the Students	24.03.23 FN	24.03.23 AN	31.03.23 FN	31.03.23 AN	07.04.23* FN	07.04.23* AN	14.04.23* FN	14.04.23* AN	21.04.23 FN	21.04.23 AN	28.04.23 FN	28.04.23 AN
1	421320106003	AMARNATH S	Ramofull		amarnath	amarnath	Ramofull	Ramofull	Ramofull	Ramofull	Ramofull	Ramofull	Ramof	Ramof
2	421320106007	BAKIYALAKSHMI R	R.Bala		R.Bala	R.Bala	R.Bala	R.Bala	R.Bala	R.Bala	R.Bala	R.Bala	R.Bala	R.Bala
3	421320106008	CHARUMATHI E	E.charu		E.Chavun	E.Chavun	E.chavumath	E.chavum	E.chavumath	E.chavumath	E.chavunt	E.chavuvadh	E.chavunatt	E.chavumath
4	421320106010	ENIGO FLEMING X	X.Enff		X.Enff	X.G.W	X.Enff	X.Enff	X.Enff	X.Enff	X.Enff	X.Enff	X.Enff	X.Enff
5	421320106011	GANESHAMOORTHI P	P.Ganesha moortho	NO	P.ganesh moorthi	P.ganesh moorth	P.Gan	P.Ga	P.Ga	P.Ga	P.Ga	P.Ga	P.Ga	P.Ga
6	421320106012	GEETHA M	M.Greetha	O	M.Greetha	M.Greetha	M.Greetha	M.Greethu	M.Greeth	M.Greethu	M.Greetta	M.Greetha	M.Greetha	M.Geetha
7	421320106013	GIRIDHARPRASATH N	N.Girudh	I	N.Girudth	N.Gnth	N.Gnth	N.Gnth	N.Gnth	N.Gnth	N.Gnth	N.Gnth	N.Gnth	N.Gnth
8	421320106014	HARINI S	AB	T	S.Hari	S.Hari	S.Hari	S.Hari	S.Hari	S.Hari	S.Hari	S.Hari	S.Hari	S.Hari
9	421320106015	HEMALATHA J	Hemalatha.J	A	Hemly	Hemly	Hemly	Hemly	Hemly	Hemly	Hemly	Hemly	Hemly	Hemly
10	421320106016	JALANDERAN R	R.Jalander	T	R.Jalanderan	R.Jalanderan	R.Jalanderan	R.Jalanderan	R.Jalanderan	R.Jalanderan	R.Jalanderan	R.Jalanderan	R.Jalanderan	R.Jalanderan
11	421320106018	JAYASRI J	jayasri.g	N	Jayasri.g	Jayasri.g	Jayasri.g	Jayasri.g	Jayasri.g	Jayasri.g	Jayasri.g	Jayasri.g	Jayasri.g	Jayasri.g
12	421320106019	KRISHNAKUMAR S	S.Krishna Kuj	E	S.Krishna	S.Krishna	S.Krishna	S.Krishna	S.Krishna	S.Krishna	S.Krishna	S.Krishna	S.Krishna	S.Krishna
13	421320106020	LAVANYA M	M.Lavany	I	M.Lavany	M.Lavany	M.Lavanya	M.Lavani	M.Lavanya	M.Lavany	M.Lavanya	M.Lavany	M.Lavany	M.Lavany
14	421320106021	MANIMEGALAI P	P.Manmfly	R	P.Manmfly	P.Manmfly	P.Manimfly	P.Manimfly	P.Manimfly	P.Manimfly	P.Manimfly	P.Manimfly	P.Manimfly	P.Manimfly
15	421320106022	MOHANRAJ N	N.Mohan Raj	O	N.Mohan Raj	N.Mohan Raj	N.Mohan Raj	N.Mohan Raj	N.Mohan Raj	N.Mohan Raj	N.Mohan Raj	N.Mohan Raj	N.Mohan Raj	N.Mohan Raj
16	421320106023	MUTHUKRISHNAN P	P.Muth		P.Muth	P.Muth	P.Muth	P.Muth	P.Muth	P.Muth	P.Muth	P.Muth	P.Muth	P.Muth
17	421320106024	NAVEEN RAJ J	J.Naveenraj		J.Naveenraj	J.Naveenraj	J.Naveenraj	J.Naveenraj	J.Naveenraj	J.Naveenraj	J.Naveenraj	J.Naveenraj	J.Naveenraj	J.Naveenraj
18	421320106025	NIVEDHA S	S.Nivedha		S.Nivedha	S.Nivedha	S.Nivedha	S.Nivedha	S.Nivedha	S.Nivedha	S.Nivedha	S.Nivedha	S.Nivedha	S.Nivedha
19	421320106026	PRIYANKA M	Priyata		Priyata	Priyata	Priyata	Priyata	Priyata	Priyata	Priyata	Priyata	Priyata	Priyata

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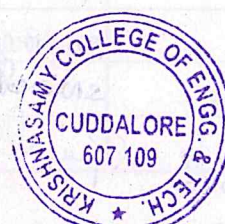CUDDALORE
607 109

Sl. No	Register No.	Name of the Students	24.03.23 FN	AN	31.03.23 FN	AN	07.04.23 * FN	AN	14.04.23 * FN	AN	21/04/23 FN	AN	28.4.23 FN	AN
20	421320106027	RAGAVI N	Ragavi		Ragavi	Ragavi	Ragavi	Ragavi	Ragavi	Ragavi	N.Ragai	R.N	Ragavi	Ragavi
21	421320106028	RAMPRASATH G	G.Ram Porasth		G.Ram Prasth	G.Ram Prauth	G.Prasth	G.Ram Prasth	G.Ram Prasoth	G.Ram Prasoth	G.Ram Porasth	G.Ram Porasth	G.Ram Prasth	G.Ram Prasth
22	421320106029	SALOMON K	K.Selomon		AB	AB	K.Sola	K.Sola	K.Sol	K.Sol	AB	AB	K.Selmon	K.Gelm
23	421320106030	SARANARAYANAN K	K.Sara		K.Sara	K.Sara	K.Say	K.Say	K.Say	K.Say	K.Saran	K.Sara	AB	AB
24	421320106031	SARANYA M	M.saranya		M.Saranya	M.saanya	M.saranya	M.saranya	M.saranya	M.saranya	M.saranya	M.saanya	M.saanya	M.saranya
25	421320106032	SASIKALA R	R.Sasikal		R.Sasikal	R.Sasikey	R.Sasikala	R.Sasikala	R.Sasikala	R.Sasikala	R.Sasikala	R.Sasikala	R.Sasikala	R.Sau H
26	421320106034	SHAMEERHUSSIAN N	N.Shameer		N.Shameer	N.Shameer	N.Shameer	N.Shame	N.Shame	N.Shame	AB	AB	N.Shameer	N.Shame
27	421320106035	SOORIYA M	A B		M.Sooriy	M.Sry.	M.Sooriya	M.Sry.	M.Sry.	M.Sry.	M.Sry.	M.Sry.	M.Sooriy	M.Sry.
28	421320106036	SWETHA R	R.Swetha		Swell R	Swell R	R.Swell	R.Swell	R.Swell	R.Swell	R.Swell	R.Swell	R.Swell	R.Swell
29	421320106038	VENKATESH A	A.Venketh		AB	AB	A.Venkatesh	A.Venkatesh	A.Venkatesh	A.Venkatesh	A.Venkatesh	A.Venkatesh	A.Venkatesh	A.Venkatesh
30	421320106039	VIGNESH D	D.Vignesh		D.Vignesh	D.Vignesh	D.Vignesh	D.Vignesh	D.Vignesh	D.vey	D.vey	D.vey	D.vey	D.vey
31	421320106040	VIGNESH G	G.Vignesh		G.Vignesh	G.Vignesh	G.Vignesh	G.Vignesh	G.Vignesh	G.Vignesh	G.Vignesh	G.Vignesh	G.Vignesh	G.Vignesh
32	421320106041	VINAYAGAMURUGAN K	K.Vinayaga murugan		K.Vinayaga murugan	K.Vinayaga murugan	K.Vinayaga murugan	K.Vinaya muruga	K.Vinayaga murug	K.Vinayaga murug	K.Vinayaga murug	K.Vinayaga murug	K.Vinaya murug	K.Vinayaga murug
33	421320106302	MANIKANDAN G	AB		AB	AB	G.Manikand	G.Manikand	G.Manikand	G.Manikand	G.Manikand	G.Manikand	G.Manikand	G.Naka
34	421320106501	S HAZIRA SHAHANA.	S.Hushna	S.Hushna	AB	AB.	S.Hushna	S.Hushna	S.Hushna	S.Hushna	S.Hushna	S.Hushna	S.Hushna	S.Hushna
		No.of Present	31		30	30	34	34	34	34	32	32	33	33
		No.of Absent	03		04	04	—	—	—	—	02	02	01	01
		Signature of the Course Co-Ordinator	24/3		31/3	31/3	5/4	5/4	14/4	14/4	21/4	21/4	23/4	28/4
		Signature of the Host College SPOC	D.Tmy 24/3		D.Tmy 31/3	D.Tmy 31/3	D.Tmy 5/4	D.Tmy	D.Tmy 14/4	D.Tmy 14/4	D.Tmy 21/4	D.Tmy 21/4	D.Tmy 23/4	D.Tmy 28/4

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2/6/23
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6/6/23
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____8/6/23
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Cuddalore-607 109.

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College of Engineering & Technology
Naan Mudhalvan - A Massive Upskilling Programme
Department of Electronics and Communication Engineering
Weekly Registration Details for Professional Readiness for Innovation, Employability and Entrepreneurship (PRIEE)
Academic Year-2022-2023

Year/Semester: III/ 6th Semester

Sl. No	Register No.	Name of the Students	05-05-23 FN	05-05-23 AN	12.05.23 FN	12.05.23 AN	19.05.23 FN	19.05.23 AN
1	421320106003	AMARNATH S	AB	AB	Ganshath	Ganshath	Ganshath	Ganshath
2	421320106007	BAKIYALAKSHMI R	Bakiya	Bakiya	Bakiya	Bakiya	Bakiya	Bakiya
3	421320106008	CHARUMATHI E	E.charumathi	E.charumathi	E.charumathi	E.charumathi	E.charumathi	E.charumathi
4	421320106010	ENIGO FLEMING X	Enigo	Bgie	Bgie	Rnej8	Rnej8	Rnej8
5	421320106011	GANESHAMOORTHI P	P.Ganesh	P.Ganesh	P.Ganesh	P.Ganesh	P.Ganesh	P.Ganesh
6	421320106012	GEETHA M	Geetha	Geetha	Geetha	Geetha	Geetha	Geetha
7	421320106013	GIRIDHARPRASATH N	Giri	Giri	Giri	Giri	Giri	Giri
8	421320106014	HARINI S	Harini	Harini	Harini	Harini	Harini	Harini
9	421320106015	HEMALATHA J	Hemal.	Hemal.	Hemal.	Hemal.	Hemal.	Hemal.
10	421320106016	JALANDERAN R	Jalanderan	Jalander	Jalander	Jalander	Jalander	Jalander
11	421320106018	JAYASRI J	jayasri.J	jayasri.J	jayasri.J	jayasri.J	jayasri.J	jayasri.J
12	421320106019	KRISHNAKUMAR S	S.கிரு	S.கிரு	S.கிரு	S.கிரு	S.கிரு	S.கிரு
13	421320106020	LAVANYA M	Lavanya	Lavanya	Lavanya	Lavanya	Lavanya	Lavanya
14	421320106021	MANIMEGALAI P	Manimegi	Manimegi	Manimegi	Manimegi	Manimegi	Manimegi
15	421320106022	MOHANRAJ N	N.Mohanraj	N.Mohanraj	N.Mohanraj	N.Mohanraj	N.Mohanraj	N.Mohanraj
16	421320106023	MUTHUKRISHNAN P	P.muth	P.muth	P.muth	P.muth	P.muth	P.muth
17	421320106024	NAVEEN RAJ J	Naveen	Naveen	Naveen	Naveen	Naveen	Naveen
18	421320106025	NIVEDHA S	S.nivedha	S.nivedha	S.nivedha	S.nivedha	S.nivedha	S.nivedha
19	421320106026	PRIYANKA M	Priya	Priya	Priya	Priya	Priya	Priya

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Sl. No	Register No.	Name of the Students	05.05.23 FN	05.05.23 AN	12.05.23 FN	12.05.23 AN	19.05.23 FN	19.05.23 AN
20	421320106027	RAGAVI N	Ragvi					
21	421320106028	RAMPRASATH G	G.Ram Prasath	G.Ram Prasath	G.Ram Prasath	G.Ram Prasath	G.Ram Prasath	G.Ram Prasath
22	421320106029	SALOMON K	K.Solo	K.Solo	K.Solo	K.Sol.	K.Sol	K.Sol
23	421320106030	SARANARAYANAN K	Sara	k.Sar	k.Sar	k.Sar	k.Sar	k.Sar
24	421320106031	SARANYA M	M.Saran	M.Saran	AB	AB	M.Saran	M.Saran
25	421320106032	SASIKALA R	R.Sasikala	R.Sasikala	R.Sasikala	R.Sasikal	AB	AB
26	421320106034	SHAMEERHUSSIAN N	N.Sht	N.Sht	N.Sht	N.Sht	N.Sht	N.Sht
27	421320106035	SOORIYA M	M.Sol.	M.Sol.	M.Sol.	M.Sol.	M.Sol.	M.Sol.
28	421320106036	SWETHA R	AB	AB	Swe	Swe	Swe	Swe
29	421320106038	VENKATESH A	A.V	A.V	A.V	A.V	A.V	A.V
30	421320106039	VIGNESH D	D.vignesh	D.vign	D.vi	D.vi	D.vi	D.vi
31	421320106040	VIGNESH G	Vignesh.G	Vignesh.G	AB	AB	Vignesh.G	Vignesh.G
32	421320106041	VINAYAGAMURUGAN K	K.Vinay mugn	K.Vinay mugn	K.Vinay mugn	K.Vinay mugn	K.Vinay mugn	K.Vinay mugn
33	421320106302	MANIKANDAN G	G.maniko	G.Manikn	G.manikn	G.Manil	G.manil	G.manil
34	421320106501	S HAZIRA SHAHANA	S.Hushha	S.Hushha	S.Hushha	S.Hushha	S.Hushha	S.Hushha
No.of Present			32	32	32	32	33	33
No.of Absent			02	02	02	02	01	01
Signature of the Course Co-Ordinator			♊	♊	♊	♊	♊	♊
Signature of the Host College SPOC			D.Pum	D.Pum	D.Pum	D.Pum	D.Pum	D.Pum

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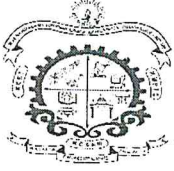
SPOC
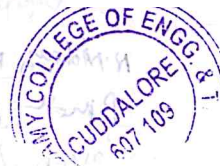
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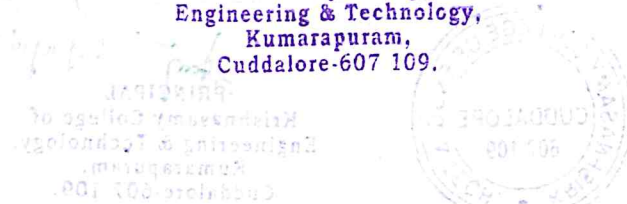
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DEPARTMENT OF ECE

KCET/ECE/2022-2023/ICT-CS/01   25.05.2023

ICT SKILL TRAINING PROGRAM REPORT

Date of the event: 24.03.2023 to 19.05.2023
Number of participants: 34
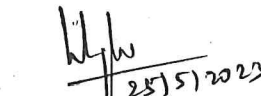**Resource person:** External Expert - IBM - Smart Interenz

Description of the event:

The ICT SKILL based training program was conducted to the students of IV year from 24.03.2023 to 19.05.2023 and trained by our External experts associated with IBM – Smart Interenz with the support of Naan Mudhalvan team. The program is intended to develop the knowledge of participants related to Innovation, Employability & Entrepreneurship.

NOTE: The syllabus covered during the training session has been attached along with this report for reference.
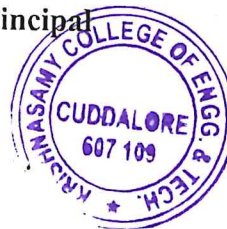
HOD/ECE   SPOC - NM   Vice-Principal   Principal

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2. The Principal / The Vice-Principal / IQAC

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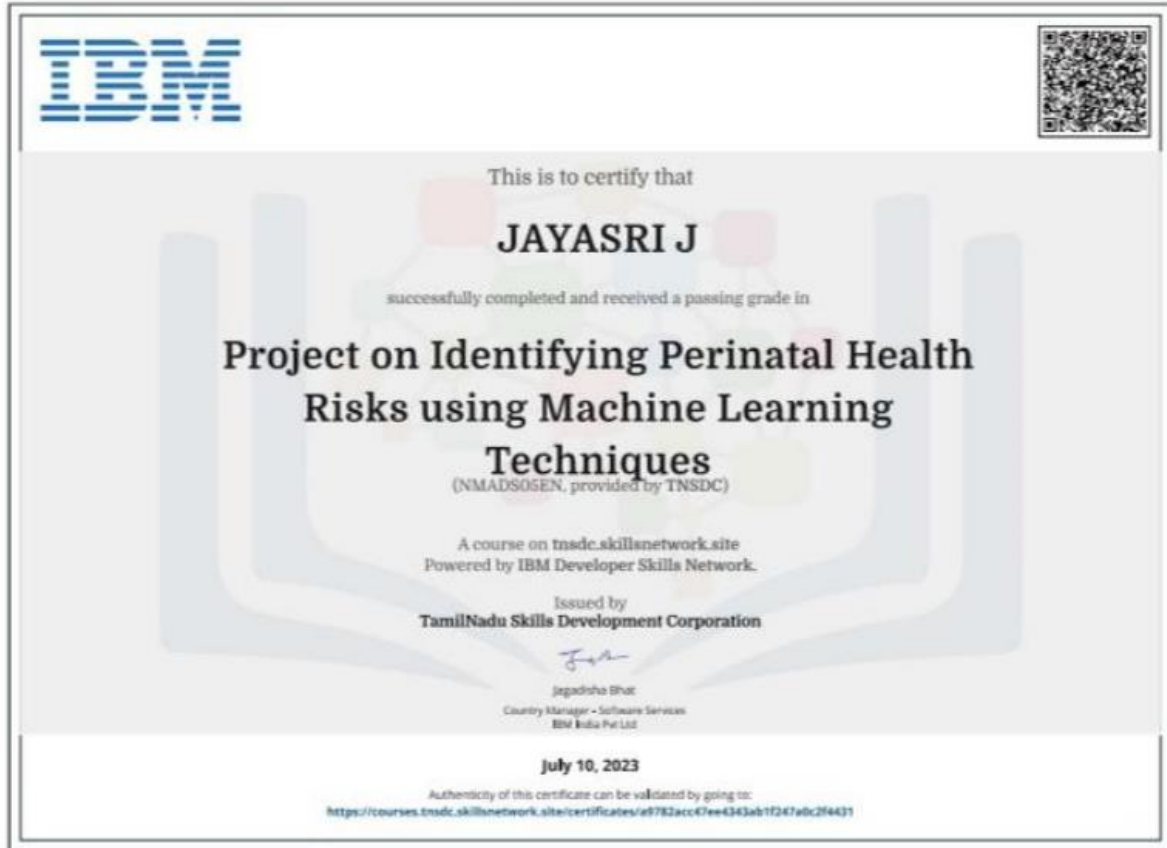
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.
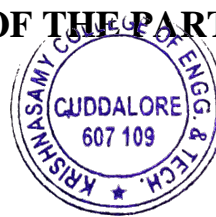☎ (04142) 285 601 - 604   🌐 www.kcet.in   ✉ info@kcet.in

CERTIFICATE OF THE ICT SKILL TRAINING

IBM

This is to certify that

JAYASRI J

successfully completed and received a passing grade in

Project on Identifying Perinatal Health Risks using Machine Learning Techniques
(NMADSOSEN, provided by TNSDC)

A course on tnsdc.skillsnetwork.site
Powered by IBM Developer Skills Network.

Issued by
TamilNadu Skills Development Corporation

Jagadisha Bhat
Country Manager - Software Services
IBM India Pvt Ltd

July 10, 2023

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