



2.3.1 STUDENT CENTRIC METHODS PROOFS

1. Additional Experiments

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ADDITIONAL LAB EXPERIMENT DETAILS

CSL 203 Object Oriented Programming Lab
S2 B.TECH CSEA and B
Prof.Renetha J.B. Prof.Lekshmi Chandran

1. Write a Java program that displays the number of characters, lines and words in a text file
2. Write a Java program for handling mouse events.
3. Write a Java program to find the second smallest element in an array.
4. Write a Java program to create two threads: One for displaying all odd numbers between 1 and 100 and second thread for displaying all even numbers between 1 and 100.
5. Write a Java program for handling key events.

EST102 Programming in C
S2 B.TECH CSEB
Prof.Renetha J.B.

1. Write a program in C to copy the contents from one file to another.
2. Write a program in C to print the sum of n Fibonacci numbers.
3. Write a recursive program to find the sum of digits of a number.
4. Write a program in C to input matrices and find the sum of diagonal elements.
5. Write a program in C to merge the contents from two files and store them in a third file.



CS 332 Microprocessor Lab
S6 B.TECH CSE
Prof Anjana Thampy and Prof. Sheeja Beevi

1. Implement ALP in 8086 for Code Conversion
ASCII-HEX & HEX-ASCII, BCD-HEX & HEX-BCD
2. Write a 8086 MASM program to perform sorting of n bit numbers. Get the input from the console.
3. Write a 8086 MASM program to perform searching of n bit numbers. Get the input from the console.

2. Library e-sources

Details of Membership	Details of subscriptions	Name of service subscribed to	No of e-resources with full text access	Validity period	Usage report from the service provider	Whether remote access provided? (Yes / No)
DELNET	Yearly	Developing Librar	2,90,00,000 E-Books	14 March 2020-13 M	Yes	Yes
JGATE	Yearly	Informatics	20345 fulltext journal	17 Jan2020-16 Jan 20	Yes	Yes
Shodganga	Open access	NA	As available in the sit	No time limit	No	Yes
DELNET	Yearly	Developing Library Networks		14 March2019-13 Ma	Yes	Yes
DELNET	Yearly	Developing Library Networks		14 March2018-13 Ma	Yes	Yes
DELNET	Yearly	Developing Library Networks		14 March2017-13 Ma	Yes	Yes
Science Direct	Yearly	Globe publication		7Jan2017-6 Jan 2018	No	Yes
IEEE ASPP package	Yearly	GIST	169 Journals+backfile	26 Feb2016-25 Feb 20	No	Yes
JGATE	Yearly	JSMS(J-Gate science and technology)		28 Dec2016-27 Dec20	Yes	Yes
ASCE	Yearly	GIST	35 journals+backfiles	8 March2016-7 Marcl	No	Yes

3. Industrial Visit

- The Department of Computer Science and Engineering conducted an industrial visit from 4th May to 14th May 2023



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- Department of Computer Applications conducted an Industrial Visit from 10th March to 15th March, 2023.

**VISIT TO INNOVAL DIGITAL SOLUTIONS .TECHNOPARK
BY 54 MCA STUDENTS ON 10/03/23.**





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- Department of Electronics and Communication Engineering had conducted Industrial Visit on 16th MAY 2023-23th MAY 2023



4.Seminars



Year	Name of the workshop/ seminar	Number of Participants	Date From – To
2023	Arduinio Robot	25	20/03/2023
2022	Benefits of Cloud Computing	52	10/12//2022
2022	Plcement training	S8 CSE students	25/11/2022
2023	FIGMA workshop	S6 CSE students	19/04/2023
2023	MCA Entrance coaching	MCA Aspirants	01/06/2023 To 04/06/2023
2023	FUTURE TECH-ONE DAY SDP	MCA STUDENTS	11-05-2023
2023	Verismo	213	24/01/2023
2022	Technical talk on new trends & technologies in IT	S1&S3 MCA Students(54)	13/08/2022
2022	Workshop on Python	210	01-07-2022
2022	MCA Entrance coaching	MCA Aspirants	12/05/2022,14/05/2022,21/05/2022
2022	Effective public speaking	Students from UG Colleges	04-11-2022
2022	IMPACT LECTURE SERIES - PART 1	68	17/07/2022
2022	IMPACT LECTURE SERIES - PART 2	55	27/07/2022
2022	HackARthon	30	16/07/2022-18/07/2022
2022	ASTERIX	20	08-12-2022
2023	PDI 23	56	03-02-2023
2023	YOUNG IDEA CONCLAVE	36	11-02-2023
2023	KEY STARTUP SKILLS FOR ENGINEERS & STUDENTS	31	17/02/2023
2023	REBOOT IEDC - ONE DAY WORKSHOP ON CYBER		13/02/2023 - 14/02/2023
2023	GREEN ENERGY AUDIT - IEEE	65	27/02/2023
2023	MATHS QUIZ - IEEE	33	14/0382023
2023	L TALK SERIES - IEEE	19	16/03/2023
2023	ASTERIX PART 2 - IEDC/IEEE	41	17/03/2023
2023	IPR AWARENESS PROGRAM	93	29/07/2023
2023	DRONE WORKSHOP		12-04-2023



4. Internship



CERTIFICATE
OF INTERNSHIP COMPLETION

Emil Thomas

has successfully completed internship program on Cyber Security
from Cybersec Infotech in associated with Teachnook from 01/09/2022 to 31/10/2022
During this internship, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-382
Date : 23/04/2023


Academic Head


HR-Manager

 Verified Certificate

A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course



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CERTIFICATE

This is to certify that

Athina A.S

who is undergoing their B-Tech in Computer Science from Lourdes Matha College of Sciences Technology has completed 1 week Internship in Python from / on 22nd May to 26th May during the year 2023 from "Srishti Innovative Computer Systems Pvt. Ltd.", Technopark, Trivandrum, Kerala.

Date: 26/05/2023

Place: Trivandrum



Monisha H Chandran
Monisha H Chandran
Centre Manager


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5.WORKSHOPS

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Department of Computer Science & Engineering
in association with
HARDWARE CLUB organizing
WORKSHOP on
ARDUINO ROBOTS

20th March 2023
1.00pm
Computer Lab D

Mr. BRIJU V G
Dept of CSE

Convenor: Ms.Priya Sekhar S
HOD,Dept of CSE

Coordinator: Ms. Anjana Thampy
Assistant Professor, Dept of CSE


Student Coordinator: Mr. Arun Sundar
S8 CSE



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 GPS Map Camera



Kuttichal, Kerala, India

LMCST, H35X+5P4, Lourdes Hills, Kuttichal, Kerala 695574,
India

Lat 8.557944°

Long 77.099303°

20/03/23 01:35 PM GMT +05:30

Google



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5. STUDENT DEVELOPMENT PROGRAMME



6. TECHNICAL TALKS

Department of Computer Applications organised a Technical Talk on 'New Trends and Technologies in IT' in Online mode on 13 th August, 2022. The Resource person was Mr. Jibu Mohan Nair, MCA Alumni, Senior IT Engineer, H & block, Technopark.

Google meet link- <http://meet.google.com/ose-vegn-dgp>



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Meet - ose-vegn-dgp

meet.google.com/ose-vegn-dgp

JIBU MOHAN NAIR is presenting

Use scientific methods, processes, algorithms and systems to extract knowledge and insights from noisy, structured and unstructured data, and apply knowledge from data across a broad range of application domains.

5:20 PM | ose-vegn-dgp

28°C Light rain

05:20 PM 13-06-2022

Participants: You, MOHAN NAIR, Athullyamol S R, Aclarah SN, VIPIN KUMAR, 20 others



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7. Alumni Interactions

LOMAA Meet' 22

Annual LOMAA Meet for the period 2022-2023, Global LOMAA Meet-2022 was conducted on 17th July 2022(Sunday) at Auditorium, Nirmala Bhavan School, Nanthancode adhering to the Covid-19 protocol.





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8. Graduation Day Ceremony

GRADUATION CEREMONY 2022 was conducted on 20.11.2022 at Lourdes Matha College of Science and Technology for batches of 2019, 2020 and 2021. Chief Guest Dr. Kuncheria P Isaac, Founder Vice Chancellor of APJ Abdul Kalm Technological University distributed the graduation certificates and medals.



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ANOOJS J (2018 - 2022 B.TECH ME) - RECIPIENT OF OUTSPARKLE AWARD (DIAMOND RING) BY SUNNY DIAMONDS FOR THE BEST OUTGOING STUDENT 2022



9. Professional bodies participation

ISTE Members

CONSOLIDATED:	
Department	No:of Students
Computer Science (S2,S4)	69
Electronics & Communication(S2,S4)	27
Electrical & Electronics Engineering(S2,S4)	30
Civil Engineering (S2,S4)	45
Mechanical Engineering (S2,S4,S6)	30
TOTAL	201



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Department Of Computer Science & Engineering

In Association with

ISTE STUDENT CHAPTER

PRESENTS

ESSAY WRITING COMPETITION

TOPIC : "How to end violence against women by improving their life security & moving towards a better world for women"

Convenor : **Ms.Priya Sekhar S**
HOD,CSE

Staff Coordinator : **Ms.Divya Christopher**
Asst.Professor,CSE



06th DEC 2022 TUESDAY



2:30 PM - 3:30 PM



VENUE : EEE Seminar Hall



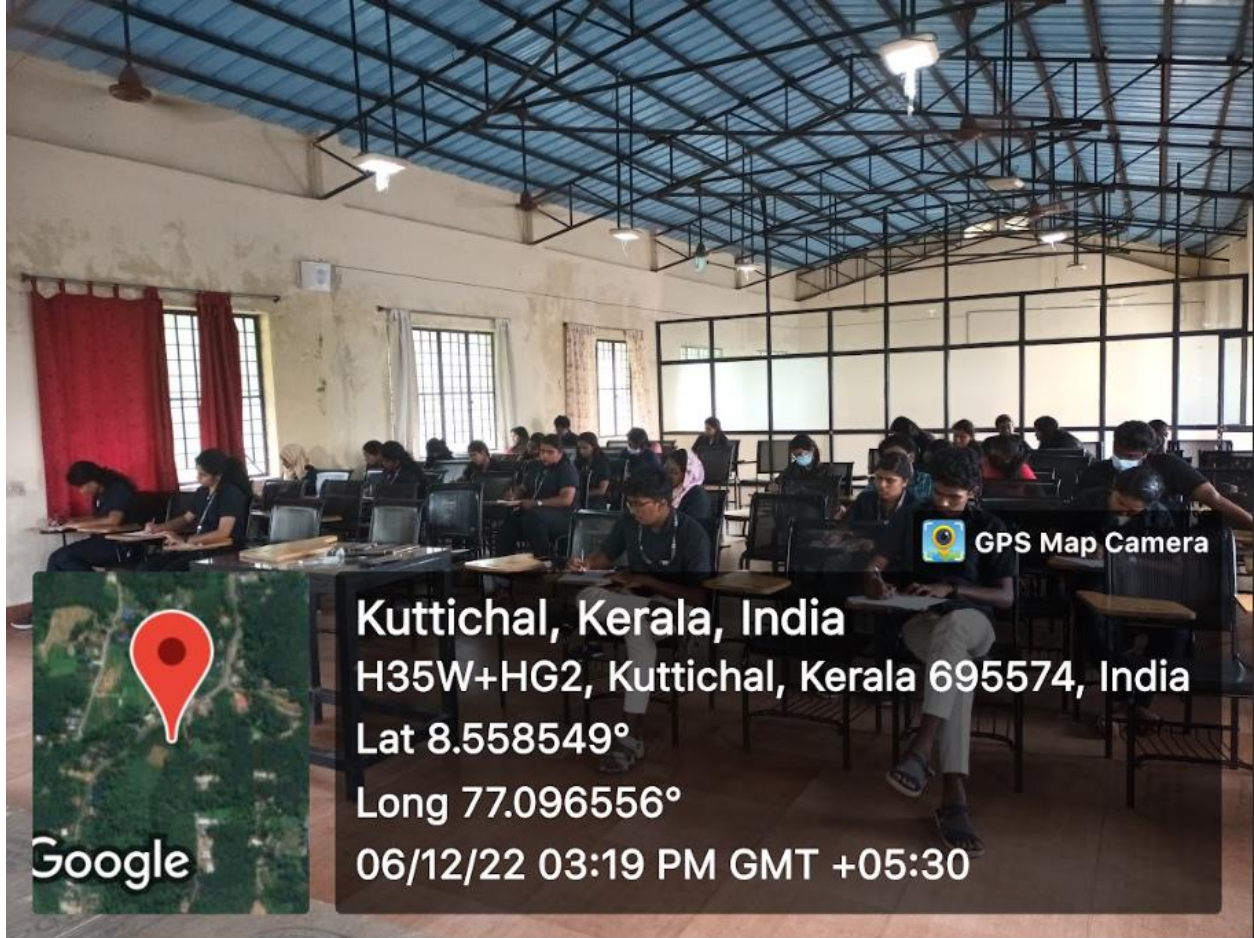
PARTICIPANTS : CSE Students

Student Coordinators : Ann Treasa Tijo, S7 CSE A
Anakha Prathap, S5 CSE A
Shivani R Nair, S3 CSE B



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Department of CSE in association with ISTE

Workshop on Network Simulator



Prof. Shibu V S

*Assistant Professor
Mar Baselios College of
Engineering and Technology*

**Date: 29-07-2022
Time: 9 am - 3 pm**

**PARTICIPANTS:
56 B.TECH CSE STUDENTS**



ns-2
NETWORK SIMULATOR

*Convenor
Prof. Priya Sekhar, HOD
Faculty Coordinator
Prof. Divya Christopher
Student Coordinator
Ms. Ann Treasa Tijo*



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Kuttichal, Kerala, India
H34X+XX4, Lourdes Hills, Kuttichal, Kerala 695574, India
Lat 8.55741°
Long 77.099881°
29/07/22 10:27 AM



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DEPARTMENT OF
ELECTRICAL & ELECTRONICS
ENGINEERING

In association with ISTE Student Chapter.

PRESENTS

REGISTER
NOW



DATE
25 NOV
2022

TIME
2:30
PM

ELOCUTION COMPETITION

AS PART OF

"CONSTITUTION DAY"

VENUE

EEE SEMINAR HALL

CONVENOR
DR. JOHNSON Y, HOD
☎ 98475 90214

FACULTY COORDINATOR
PROF. SREEKALA DEVI
☎ 9495419088
PROF. RENU V
☎ 9447571240

STUDENT COORDINATOR
JIJO T
☎ 8590019148
SOBIN JACOB THOMAS
☎ 6238906316



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EEE DEPARTMENT IN ASSOCIATION WITH ISTE STUDENT
CHAPTER ORGANIZED ELOCUTION COMPETITION AS PART OF
CONSTITUTION DAY ON 25th NOV 2022



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IEEE SB LMCST

ASTERIX - II

Goal	To provide students with opportunity learn and understand about the working of an arduino robot
Start Date & Time	17th March, 2023 – 1.15 p.m.
End Date & Time	17th March, 2023 – 3.30 p.m.
Coordinators	Faculty: Dr Johnson Y Student: Akshay Krishna A, Aparna Jayan
Platform/ Venue	EEE BLOCK LAB
Concentration Level (SB Level/Section Level/National Level)	SB Level
Event Type (Technical/Non-Technical/Humanitarian/Membership development)	Technical
Host OU	Lourdes Matha College of Science and Technology
Guest/Speaker(if any)	Mr. Biju VG, CSE Department Lab Assistant
No. of IEEE Members Attended	12
No. of Non-IEEE members attended	29



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CSI

- The Department of Computer Science and Engineering in association with the CSI student chapter organized a workshop on FIGMA on 19th April 2023. Eighth semester CSE student Ms. Parvathy Ajeesh, handled the session. Ms. Ambily Jane., Assistant professor, CSE was the staff coordinator and Ms. Priya Sekhar S, HOD CSE department was the convenor for the event.





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BENEFITS OF CLOUD COMPUTING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Tech-Talk Series



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In association with



Ms. Namitha Krishnan V

Senior consultant

Reply Concept

Detroit, USA

PLATFORM: GOOGLE MEET



7:00-8:00 PM



10/12/2022

LINK: <https://meet.google.com/rhq-bphp-riv>

Convenor
Ms. Priya Sekhar S
Head of the Department

Staff Coordinator
Ms. Ambily Jane
Assistant Professor
CSE Department



10. REMEDIAL CLASS

20

25

Name of faculty	Asba S
Class	38
Subject	Data Mining Warehousing
Topic	3,4,5,6
Signature	
Time	9 - 3 pm
Date	9/6/2022

SI No	Name	Signature
1	Jibitha	
2	Priyadarshini	
3	Vijikumari	
4	Sivasankari	

26

Name of faculty	Asba S
Class	38
Subject	Data Mining Warehousing
Topic	6,7
Signature	
Time	2:30 - 3:30
Date	16/6/2022

SI No	Name	Signature
1	Jibitha	
2	Susya	
3	Shyjan	

Name of faculty : Dr. Beshiba Wilson
Class : S4 CSE
Subject : Computer Organisation/Architecture
Topic : Control Logic Design.
Signature :

Time : 4 to 6 pm
Date : 4/7/22, 5/7/22, 6/7/22.



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Sf. No. 1. Name Abhijith D.S. Signature: *Abhijith*

28. Name of faculty: Dr. Beshiba Wilson.
 Class : 34 CSE.
 Subject : Operating System
 Topic : Deadlock.
 Signature : *Beshiba*
 Time : 4 to 6 pm
 Date : 7/7/22, 8/7/22.

Sf. No. 1. Name Abhijith D.S. Signature: *Abhijith*

29. Name of faculty: Dr. Beshiba Wilson
 Class : 24 CSE
 Subject : Constitution of India
 Topic : Prime Minister
 Signature : *Beshiba*
 Time : 4 to 5 pm
 Dates : 11/7/22

Sf. No. 1. Name Abhijith D.S. Signature: *Abhijith*

30 Name of faculty: Renatha J.B
 Class : S2CSEB, S2EEE
 Subject : Programming in C (EST102) 2019 set
 Topic : Basics of programming Important ques.
 Signature : *Renatha*
 Time : 1:30 - 3:35 pm
 Date : 25/8/2022

Sf. No.	Name	Signature
1.	Veha Mary Thomas	<i>Veha</i>
2.	Namithe Manoj	<i>Namithe</i>
3.	Diya Rajesh	<i>Diya Rajesh</i>
4.	Fasha Kabeer	<i>Fasha</i>
5.	Eliya J Baby	<i>Eliya</i>



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- 6. Melbin Varghes
- 7. R. Aalam Jaas
- 8. Nabeel Mohammed
- 9. Sajon S J
- 10. Ronoy B.R (EEE)
- 11. Modhin Singh (EEE)
- 12. Golkul G.R (EEE)
- 13. Sreehan S.R (EEE)

~~Melbin~~
~~R.Aalam~~
 Nabeel
 Sajon
 Ronoy
 Modhin
 Golkul
 Sreehan

31. Name of Faculty: Renetha J-B
 Class: S2 CSE, CE, CSA&B
 Subject: Programming in C (2019 scheme)
 Topic: Function Remaining topics, Review
 Programming Examples, Algorithm,
 Flowcharts & Pseudocode.
 Time: 8:50 -
 1:30 - 3:30

S/no	Name	Signature
1	Diya Rajesh	Diya Rajesh
2	Ansiya S	Ans
3	Anjana MIA	Ans
4	Devika JB	Devika
5	Akash. DR	Akash
6	Abhil AS	Abhil
7	Adinarayanan SC	Adinarayanan
8	Abdul Rahman A	Abdul
9	Byron Mathew	Byron
10	R. Aalam Jaas	Aalam
11	Nabeel Mohammed. A	Nabeel
12	Harsha. D.R	Harsha
13	Dancy Mariya	Dancy
14	Stephy Ebenezer	Stephy
15	Narisha Maroj	Narisha
16	Sajan. S.J	Sajan



11. TUTORIAL

31

Program Elective (S+CS A & B combined)
CST423 - Cloud Computing (S+CS A and B
Combined)

Slno	Date	No. of hrs	Topics	Rollno	Signature
1	18/9/2023	1	1) NIST Reference Model? 2) Benefits & challenges of Cloud Computing	of Absen: STA- 3, 13, 14, 21, 22, 32 STB- 9, 15, 19, 26-32	
2	29/9/2023	1	Differentiate Full & Para Virtualization 3) System VM Vs Process VM 4) Emulators	STB- 4, 5, 9, 12, 14, 18, 22, 23 25-27, 32, 33, 35-37 STA - 1, 3, 5, 12, 15, 17, 20, 26, 33	
3	20/10/23	1	2) Resource Provisioning Techniques 3) Open Stack Vs Cloud Stack 4) Map-Reduce Frameworks	STA - 1, 7, 13, 17 21, 26, 33 STB- 3, 4, 6, 9, 18, 28,	



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12. MOOC COURSES



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
HARIKRISHNAN VB
for successfully completing the course

The Joy of Computing using Python

with a consolidated score of **62** %

Online Assignments	25/25	Proctored Exam	36.72/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **10672**

Devendra Jalihal

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2023
(12 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS20S44830278

To validate the certificate



No. of credits recommended: 3 or 4



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Affiliated to APJ Abdul Kalam Technological University
Approved by AICTE & Managed by the Archdiocese of Changanacherry
Lourdes Hills, Kuttichal P.O, Thiruvananthapuram, Kerala - 695 574



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

KARTHIK SS

for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **68** %

Online Assignments	24.56/25	Proctored Exam	43.5/75
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Total number of candidates certified in this course: **25880**

Jul-Oct 2023

(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS83S849000983

To verify the certificate



No. of credits recommended: 3 or 4



13. MINIPROJECTS

BATCH	DEPARTMENT	NAME OF STUDENT	MINIPROJECT
2020-24	CSE	JOSHU JOSEPH	SOFTWARE FOR EV'S.
2020-24	CSE	ADITHYA K S	HOME INTRUDER ALERT SYSTEM
2020-24	CSE	ARCHANA SUDHAN S	
2020-24	CSE	REMYA B JOY	
2020-24	CSE	ROSHAN S	
2020-24	CSE	SAAHIL S L	
2020-24	CSE	JIBY JACOB	ONLINE JOB FINDER
2020-24	CSE	SUMITHA VARGHESE	BLOOD DONATION MANAGEMENT SYSTEM
2020-24	CSE	LOKITHA P L	
2020-24	CSE	ROSMIN ROSE BINOY	
2020-24	CSE	SOORYA S SURESH	
2020-24	CSE	GOVIND ASOK	ATTENDANCE SYSTEM USING FACE RECOGNITION TECHNOLOGY
2020-24	CSE	JOHAAN PAUL JOE	
2020-24	CSE	SHERFIN SHINAZ	
2020-24	CSE	VARSHA S NAIR	
2020-24	CSE	NIKHIL R S	
2020-24	CSE	SEKHAR ADITHYA	SLEEP WARNING WITH EMERGENCY STROKE ALERT IN CAR
2020-24	CSE	K G BHARATH SHANKAR	
2020-24	CSE	KARTHIK NANDAN K Y	
2020-24	CSE	SAMSON SUNNY	ONLINE FOOD ORDERING SYSTEM
2020-24	CSE	JINS VARGHESE	
2020-24	CSE	MISTO JOHN	
2020-24	CSE	KEERTHANA CHAND M	
2020-24	CSE	MUKESH S	A SIMPLE VOICE ENABLED CHATBOTS
2020-24	CSE	MUHAMMED AJMAL S S	
2020-24	CSE	NAVAMI ASHOK	
2020-24	CSE	GOWRISANKAR C.S	CHEMICAL ANALYSER
2020-24	CSE	JOBIN JOY	
2020-24	CSE	JOSAPHINA BENNY	
2020-24	CSE	NANDANA V S	
2020-24	CSE	MUHAMMED NAZEEM	ONLINE FOOD ORDERING SYSTEM
2020-24	CSE	YASEEN B MUHAMMED	
2020-24	CSE	VISHNU VIJAY	
2020-24	CSE	SULAIMAN MOHAMED NAZEER	STEGANOGRAPHY
2020-24	CSE	KAILAS SHAJI	
2020-24	CSE	SIDHIQ N S	Gesture Based Game using Open CV
2020-24	CSE	Athira A.S.	
2020-24	CSE	Arya A R	
2020-24	CSE	Akshaya M	
2020-24	CSE	Aravind Santhosh	



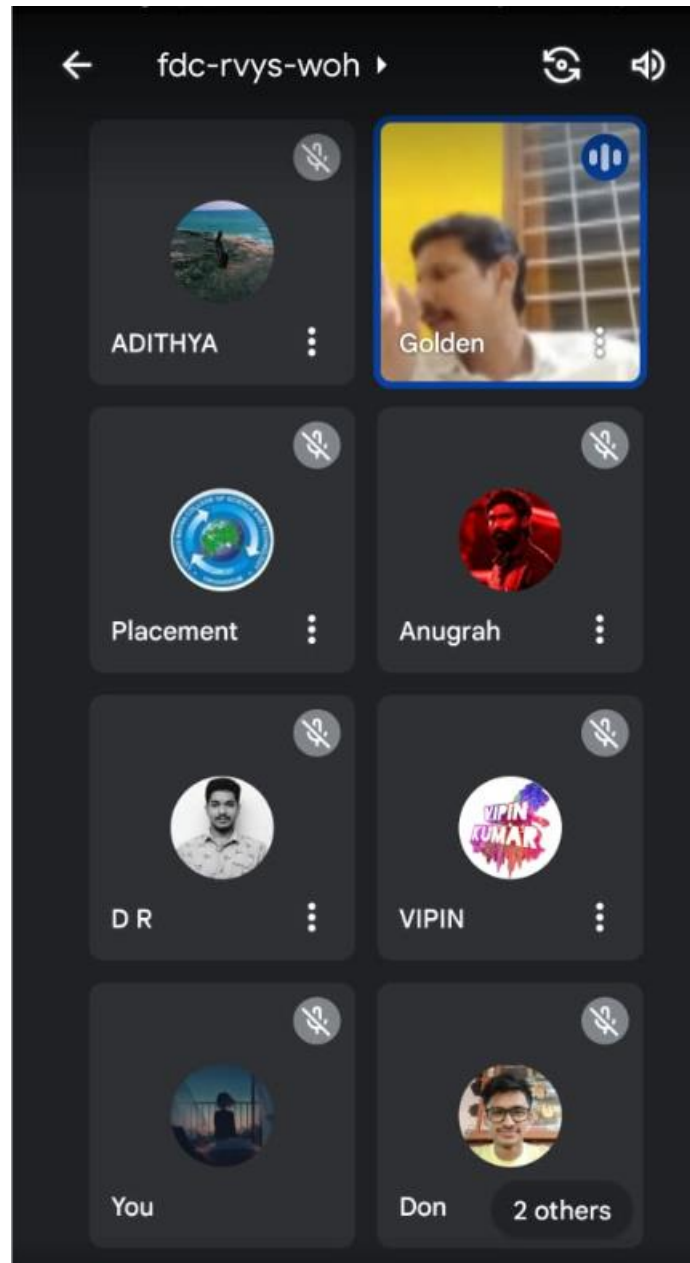
14. PLACEMENT TRAINING

Name of the capability enhancement program	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies/consultants involved with contact
CSE			
2023	16/03/2023	20	EY
2022	25/10/2022-26/10/2022	58	PROGRESSUM
2022	27/10/2022	8	Mr. HARISHANKAR
Aptitude Training	27/10/2022 & 28/10/2022	204	Progressum
Mock GD	01-10-2022	12	MBA Dept
GD and Interview Tips	20/11/2022	20	MBA Dept
Session on Technical Interview	30/11/2022	22	Mrs. Renetha
How to Crack Nest Interview	29/11/2022	22	Mr. Binson Binoy, Nest



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QUEST-INTERVIEW PREPARATION





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Training course on Machine learning and deep learning onramp

 MathWorks | Training Services

Course Completion Certificate

Anakha Prathap

has successfully completed **100%** of the self-paced training course

Machine Learning Onramp


DIRECTOR, TRAINING SERVICES

23 May 2023

 MathWorks | Training Services

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15. IEDC

Young Idea Conclave

IEDC LMCST in association with IEEE SB of LMCST, CET, GEC, and UCEK joint hands with IVAEX , IEDC CET , IEDC UCEK , IEDC GECBH and startup mission to conduct a Young Idea Conclave competition on 11th February, 2023 at Diamond Jubilee Hall, CET, Sreekaryam from 8am to 5pm , encouraging participants to take a step forward in the direction of entrepreneurship and to come up with new, innovative and feasible ideas for modern problems.



B.S.L.P.
PRINCIPAL
LOURDES MATHA COLLEGE OF
SCIENCE & TECHNOLOGY
Lourde Hills, Kuttichal P. O.
Thiruvananthapuram Dist-695574