KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G.Chidambara Nadar - C.Nagammal Campus
S.P.G.C. Nagar, K.Vellakulam — 625 701 (Near VIRUDHUNAGAR).

2.3.1 - STUDENT CENTRIC METHODS

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1. Experimental learning Mini project

TIC TAC TOE GAME

MINI PROJECT REPORT

Submitted by

Harish Rathinam S

In partial fulfillment for the award of the degree

of

Bachelor of Engineering

in

Computer Science and Engineering

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ

COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

MAY 2021

BONAFIDE CERTIFICATE

Certified that this project report **Tic Tac Toe** is the Bonafide work of <u>Harish Rathinam.S</u>
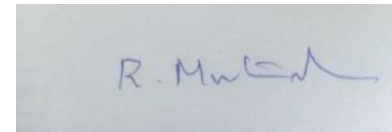who carried out the mini project work under my supervision.

SIGNATURE   **SIGNATURE**

Dr. A.MEENAKSHI, M.E., PhD   Dr. R.MUTHUSELVI

HEAD OF THE DEPARTMENT   **SUPERVISOR**
Computer Science and Engineering   Computer Science and Engineering

Kamaraj College of Engineering and   Kamaraj College of Engineering

Technology, K.Vellakulam,   and Technology, K.Vellakulam,

Madurai District.   Madurai District

EXTERNAL EXAMINER   INTERNAL EXAMINER

Date:07.07.2021	ASSIGNMENT – MINIPROJECT

SUBJECT CODE: IT1201

SUBJECT NAME: PROBLEM SOLVING USING PYTHON PROGRAMMING

PROJECT TITLE:

GAME APPLICATION - CANDY CRUSH

TEAM MEMBERS:

R.SRIDEVI_20UIT02

1SRIVASI_20UIT017

OBJECTIVE:

To join the three matched colours of the candies.

DESCRIPTION:

A python bot that plays Candy Crush.

Due to lack of time when I coded this I warn you that it's full of

hardcoded stuff :). This is how it works:

1. Take a screenshot of the desktop

2. Extract the game board from it

3. From that game board extract each cell

4. Using a classification algorithm determine what candy is in each cell

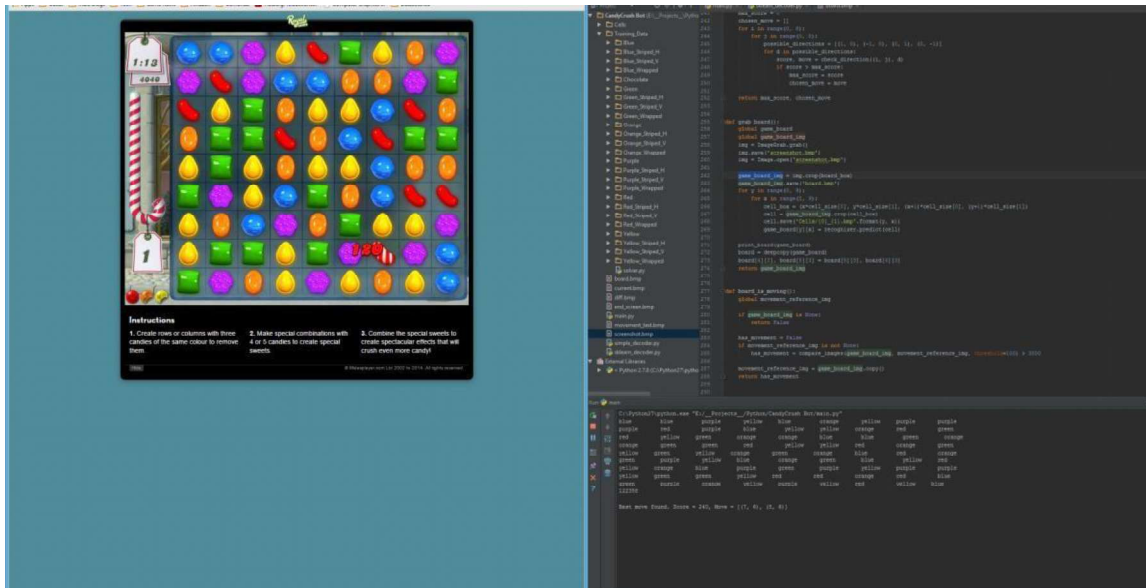5. Compute the best move using a greedy-like algorithm

6. Send Inputs to the browser window

7. Wait for the board to stabilize and all the movement to stop

The main problem now is the fact that I hardcoded the position of the board in the screenshot. You need to adjust the offsets of it in order to match the ones for your browser and screen size.

CODING:

OUTPUT:

TEST CASES:

Test Case No.	Input	Expected Output
1	Three jelly make a blast	3
2	Four jelly make a row blast.	4
3	Five jelly make a colour ball.	5
4	L shaped jelly make a sugar candy	6
5	Bomb blast	0
Total Test Cases		**5**
Number of Test Cases Passed		**5**

RESULT:

Thus, the Python project twas developed and executed successfully.

Internship

mycaptain

CERTIFICATE OF INTERNSHIP

This is to certify that Prince Yona RLC of Kamaraj College of Engineering and Technology has successfully completed his HR Internship with MyCaptain from 1st October 2020 to 30th October 2020.

During the tenure of the internship, He has completed all the assigned tasks efficiently. We wish Prince all the best for future endeavors.
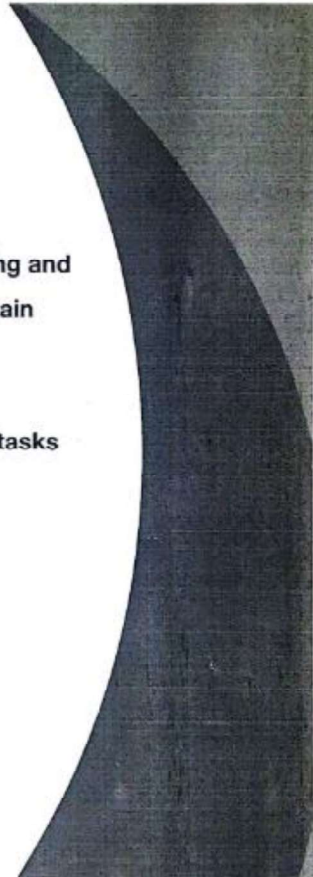
Anush Ramachandran
(Operations and HR Manager)

NSR
CEL incubated company   MyCaptain was awarded by the SDSN as one of the top 50 youth led solutions in the world.
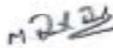
Internship Certificate

To whomsoever it may concern

This is to certify that Eashwar NN of B.E -Mechatronics-4th Year – Batch 2017 – 2021 from Kamaraj College of Engineering and Technology, Virudhunagar, was an intern in our organization from 15-February-2021 to 22-March-2021.

During the internship, he worked in Web Development project and has satisfactorily completed the allocated work. He displayed professional traits during the internship period and managed to complete all assigned tasks as requested.

It was a pleasure having him with us in this internship and wish him the best in all her future endeavours.
Warm Regards

(Dineshbabu Muthuraman)
MD & CEO
BlueMarble Smartware Pvt Ltd.

22ⁿᵈ March 2021
Chennai

BLUE MARBLE SMARTWARE PVT. LTD

NEHAA MOTORS

Plot No. S-65, 120 Feet Road, Soodamanipuram,
KARAIKUDI – 630 002.
Contact : (04565) 225 007, 98850 55220 / 98650 55228
e-mail : nehaamotors@gmail.com

ROYAL ENFIELD

Date : 02-03-2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mohamed Riyas S** has done his internship in basic technical service technician at **Nehaa motors** (Royal Enfield), Karaikudi, from **15-02-2021** to **01-03-2021.**

He has worked on Service Technician. This project was aimed at basic technical service knowledge for two wheeler.

During his internship he has demonstrated his skills with self-motivation to learn new skills. His performance exceeded our expectations and he was able to complete the project on time.

We wish him all the best for his upcoming career.

For Nehaa motors

Mr.M.MOORTHY
Hr-Manager

NLC India Limited

"NAVRATNA" - Govt. of India Enterprise

LEARNING & DEVELOPMENT CENTRE

CERTIFICATE FOR INTERNSHIP TRAINING

This is to certify that Mr./Ms. **DAVID LAZER A,B.E/MTRE.**

KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY, MADURAI. .... has undergone

Internship Training in **NLC India Limited,** Neyveli between

16.02.2021 and 01.03.2021

NLCIL wishes him / her Success in all future endeavours.

HEAD / L&D
LEARNING & DEVELOPMENT CENTRE
General Manager / L&D
Learning & Development Centre
NLC India Ltd., Neyveli-607803

"Training adding Value to Life"

Deputy General Manager
0 1 MAR 2021
Neyveli

CREATING WEALTH
FOR WELLBEING

IAS-ANZ
ISO 9001:2015
REGS NO RQ91 3867

NATURAL AQUA TECH

7/1 NJR Bismi Complex, Bharathi Nagar Bus Stop

Krishnapuram Colony

Madurai — 625 014

Cell : 96263 46903 / 80720 38426 / 61443 71470

Date: 22-03-2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that ASHWIN T has done his internship in basic techical service technician at Natural Aqua Tech, Madurai, from 09-03-2021 to 20-03-2021

He has worked on the plant implementation in TAFE madurai as a technician service knowledge for aqua plantation.

Duraing his internship he has demonstrated his skills with self-motivation to learn new skills. His perfomance exceeded out expectation and he was able to complete the project on time.

We wish him all the for his upcoming career

For Natural Aqua Tech
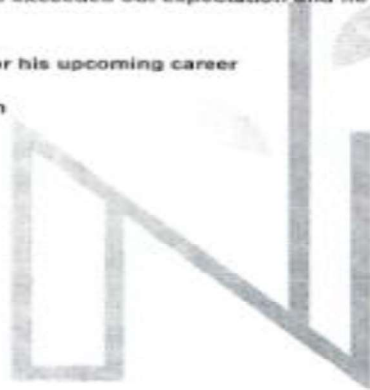
Mr.L.FELIX

Natural Aqua Tech
7/1, NJR Bismi Complex
Bharathi Nagar Bus Stop
Krishnapuram Colony, Madurai-625 014
Cell: 96263 46903, 80720 38426

Kamaraj College of Engineering and Technology
Department of Electronics and Communication Engineering
Students Internship 2020-2021

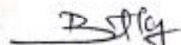| S. No.	Roll. No.	Student Name	Company	Days
1	17UECE105	G. Rajesh Mani	Data Pattern, Bangalore	6 Months (With stipend amount of Rs 15,000)
2	17UECE091	M. Sriram	MyDBOPS, Bangalore	6 Months (With stipend amount of Rs 15,000)
3	17UECE054	N. Muhammed Anve Ayaz	Promantus, Chennai	3 Months (With stipend amount of Rs 15,000)
4	17UECE065	P. Aprana	Kaashiv Infotech, Chennai	15 Days
5	17UECE062	G. Hemalatha	Kaashiv Infotech, Chennai	15 Days
6	17UECE070	D. Nitharshana	Kaashiv Infotech, Chennai	15 Days
7	18UECE004	Vigneshwari N	Megara Robotics Pvt. Ltd.	15 Days
8	18UECE024	Yamini @ Meenalochini K	Megara robotics pvt ltd	15 Days
9	18UECE031	Sakthi Krishnaa V	Pantech Solutions	30 Days
10	18UECE031	Sakthi Krishnaa V III - ECE - B	Zoho Corporation, chennai	15,000 Per Month

Professional chapter activity

Department of Computer Science and Engineering
ISTE Students' Chapter

Ref: KCET/CSE/ISTE/ODD/2020-21

S. No	Academic Year	Date	Name of the Activity Organized	Resource Person	Number of students participated
1.	2020-21 (EVEN)	09.03.2021	Workshop on IoT Projects	Mr. Kesavan, Mr. Sathish Kumar Quantanics Tech Serv Pvt. Ltd.,	III CSE (107 Students)

ISTE Staff-incharge/CSE

HOD/CSE

Activat
Go to Set

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

23.11.2021

Circular

On behalf of ISTE student chapter, competitions titled "Scope of Instrumentation – Poster Making" will be conducted to our students on 26.11.21. The interested students are asked to enroll their names with Mrs.J.Uma Maheswari, AP/EIE by today. Prepare the poster which describes the scope of Instrumentation in diverse fields/process industries/automation/future.

Rubrics for evaluation

- Design-10 marks
- Concepts- 20 marks

ISTE-INCHARGE/EIE   HOD/EIE

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

26.11.2021

ISTE student chapter competition

Name of Event - "Scope of Instrumentation" -Poster Making

Date of Event - 26.11.21

Jury- Mrs.L.V.Revathi,AP/EIE

About the event

On behalf of ISTE student chapter, Poster Making competition on the topic "Scope of Instrumentation" was organized to II, III and IV EIE students. The student representative, M.Vinoth Kumar, IV EIE coordinated the program. 20 students participated in the competition. The poster created by the students describes the scope of Instrumentation in diverse fields/process industries/automation/future. The posters were judged by Mrs.L.V.Revathi, AP/EIE. The winners will be awarded with prizes.

Winners
S.Alagu Sundari, IV EIE- First Prize
S.Kirubakaran, II EIE- Second Prize
S.Vasanth Raj, III EIE- Third Prize

ISTE-INCHARGE/EIE   HOD/EIE

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S.P.G.C.Nagar, K.Vellakulam - 625 701, (Near Virudhunagar), Madurai District.

Department of Electronics and Instrumentation Engineering

Circular

On behalf of ISTE student chapter, a "Technical Quiz competition" is planned to conduct for this academic year 2020-21 (even) for second year students on 25.02.2021 at 03.10 pm to 4.00 pm in D17 hall.

ISTE student chapter In charge   25/2/2021

HoD/EIE   25/2/2021

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Accredited by NAAC with "A" Grade

ELECTRONICS AND INSTRUMENTATION ENGG
DEPARTMENT OF FIRSTYEAR ENGINEERING 2019-2023 Batch - EIE

SNO	M/F	ROLL NO	NAME	Round 1	Round 2
1	F	19UEIE001	NANDHINI.MU	4	2
2	F	19UEIE002	RANJANA.S	4	1
3	M	19UEIE003	HARIHARAPUTHRAN.V	8	2
4	M	19UEIE004	AVINASH.N	7	5
5	M	19UEIE005	ASHOK PANDIAN.G	6	1
6	M	19UEIE006	VASANHTRAJ.S	5	2
7	M	19UEIE007	VISHWANATH.A	6	0
8	M	19UEIE008	SUJAN.K	9	0
9	M	19UEIE009	SWASTIK KUMAR.K	4	2
10	M	19UEIE010	SRI HARIHARAN.K	10	1
11	F	19UEIE011	SARANYA.G		

M 8
F 3
   11

1st prize

19UEIE010   Sri hariharan. k

2nd prize

19UEIE003   Hariharaputhran. v

ISTE department Incharge

Department of Electronics and Instrumentation Engineering

Circular

On behalf of ISTE student chapter, a "**Circuit design competition**" is planned to conduct for this academic year 2020-21 (even) for third and final year students on 17.03.2021 at 03.10 pm to 4.00 pm in D12 hall or VI lab.

Online Circuit design tools to be used.

Interested students register their names in the following path

https://forms.office.com/Pages/ResponsePage.aspx?id=GdlmJvzxJ0C5xSEtTpXminBSB vvv42hBocAiaqZfuqdUNDFMTDI3REdQMTbORIg4TjE3M1lRR1pNMS4u

HoD/EIE

ISTE student chapter In charge

Hands on training

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CIRCULAR

Ref: KCET/EEE/ISTE – Guest Lecture/September 2021   03.09.21

On behalf of ISTE, the Department of Electrical and Electronics Engineering is organizing a Guest lecture titled **"How to get placed in Data Patterns drive"**. The details of the programme are as follows:

Date   : 04.09.2021 (Saturday)
Time   : 11.00 A.M to 11.30 A.M
Venue   : Online.
Name of the Speaker: Mr.R.Praveen, (2015-2019 Batch), Data Patterns
Topic   : How to get placed in Data Patterns drive
Relevance to PO   : PO1, PO2, PO3, PO4, PO5, PO6, PO8, PO9, PO11, PO12
Relevance to PSO   : PSO1, PSO2
Event Outcome   : This program is to get idea how to get through the DATA patterns drive .
Participants   : IV year EEE eligible students
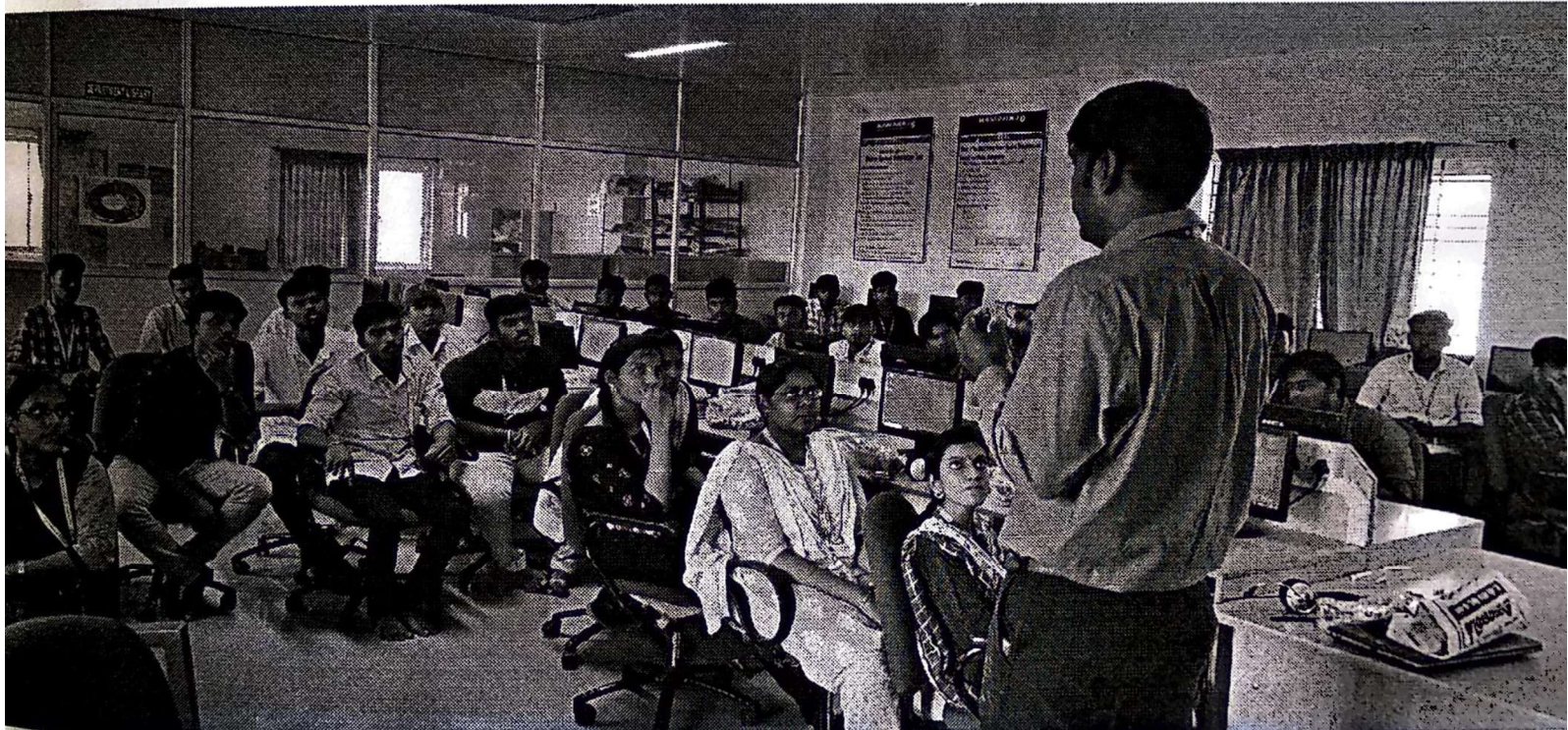
Coordinator   HoD/EEE

Ce
Staff Members
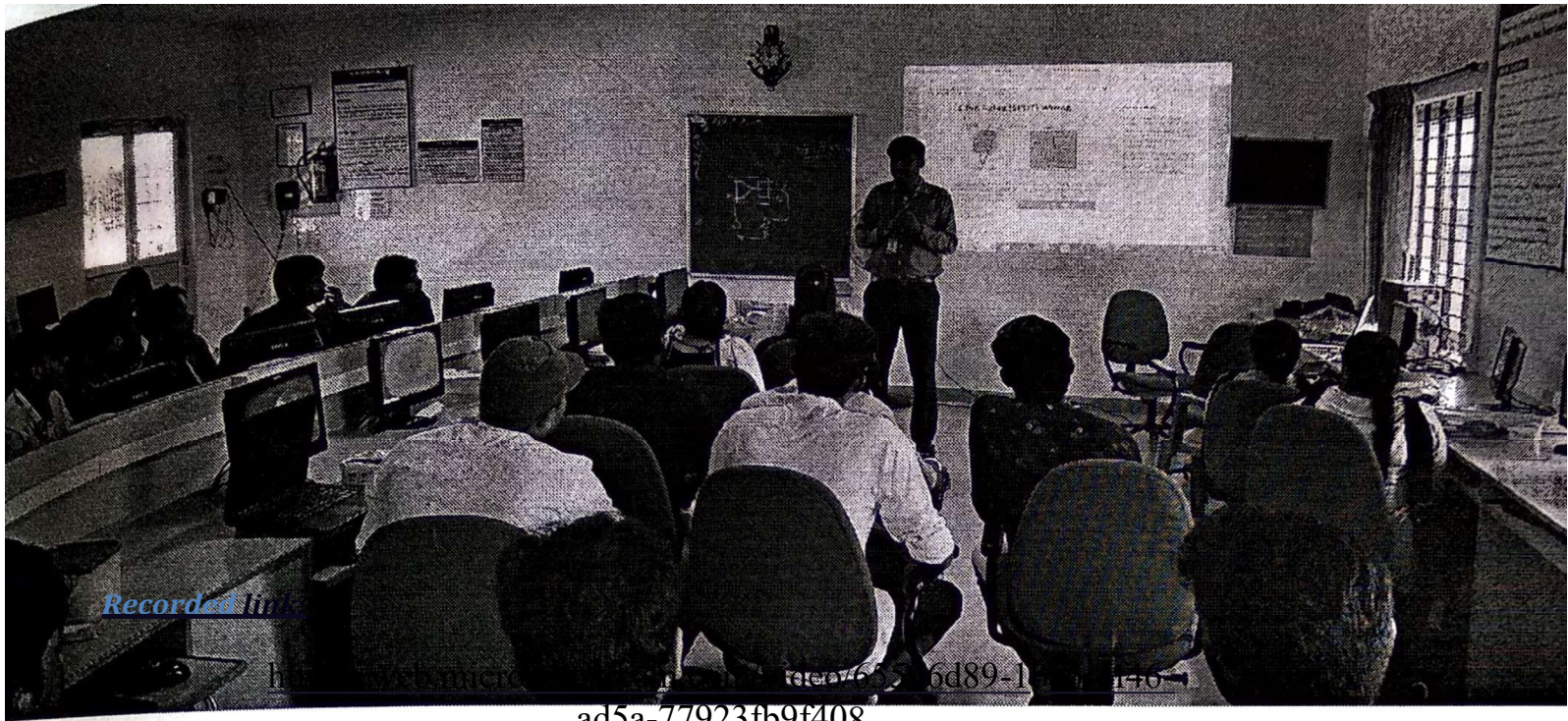
https://web.micro... ...9f625-6d89-1... ...4o-
ad5a-77923fb9f408

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Alumni Interaction on
Industry Expectation from Freshers
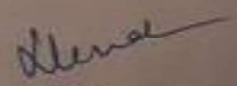
Date: 28.12.2021

REPORT

The Department of computer Science and Engineering , Kamaraj college of Engineering and Technology organized an alumni interaction –" Industry expectation from freshers" on 28.12.2201.

Mr.B.Muthukrishan Vinayagam and Ms.T.Rajashree welcomed the alumnus of 2012-2016 batch Mr.S.Siva Guru, Associate Software Engineer, Standard Charted Bank introduced his profile to the second and third year students. He gave the importance of Devops Engineer in the IT trends, industry standards, industry culture, work nature, skill set to be equipped for the current technologies in software industry.

He delivered that there are wide opportunities available for IT sector in today's competitive environment. He advised the students to enhance the skillset and knowledge by undergoing online certification in recent technologies to meet the industry needs and that helps to sustain in the IT sector and promote themselves in career growth.

The alumni interaction was attended by 187 students from second and third year students.
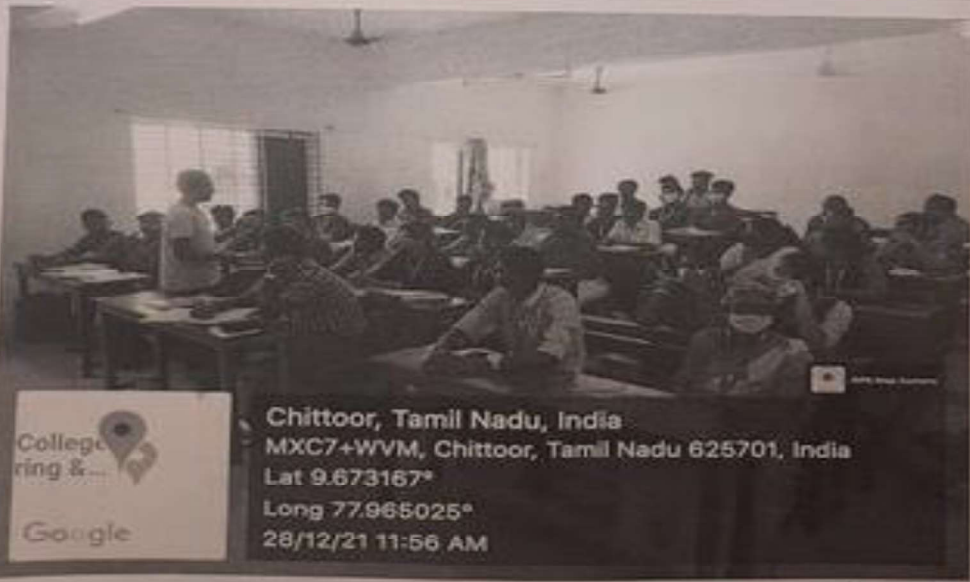
Coordinators

HoD
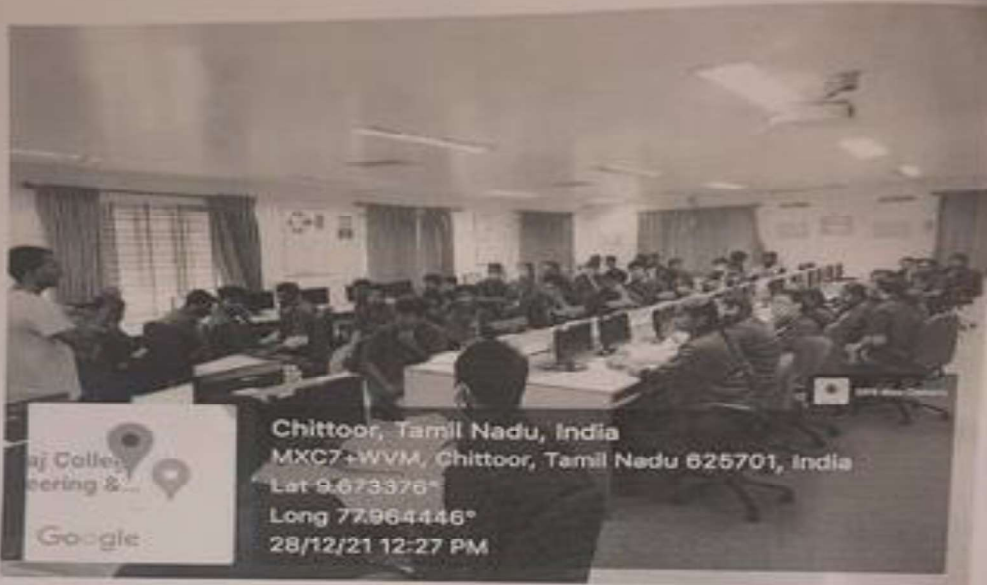
Chittoor, Tamil Nadu, India
MXC7+WVM, Chittoor, Tamil Nadu 625701, India
Lat 9.673376°
Long 77.964446°
28/12/21 12:27 PM

Chittoor, Tamil Nadu, India
MXC7+WVM, Chittoor, Tamil Nadu 625701, India
Lat 9.673167°
Long 77.965025°
28/12/21 11:56 AM

Coordinator

HOD

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DEPARTMENT OF INFORMATION TECHNOLOGY

SEMINAR/WORKSHOP/SYMPOSIUM/CONFERENCE/CONTESTS ORGANIZED

WORKSHOP cum TECHNICAL CONTEST on "VIDEO MAKING"

_____

Coordinator Name : Dr. R. ARTHY

Audience (Our Students / Faculty /Other College) : III IT

No of Participants : 48

Date of the Event : 17.04.2021

_____

Circular :

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Department of Information Technology

and

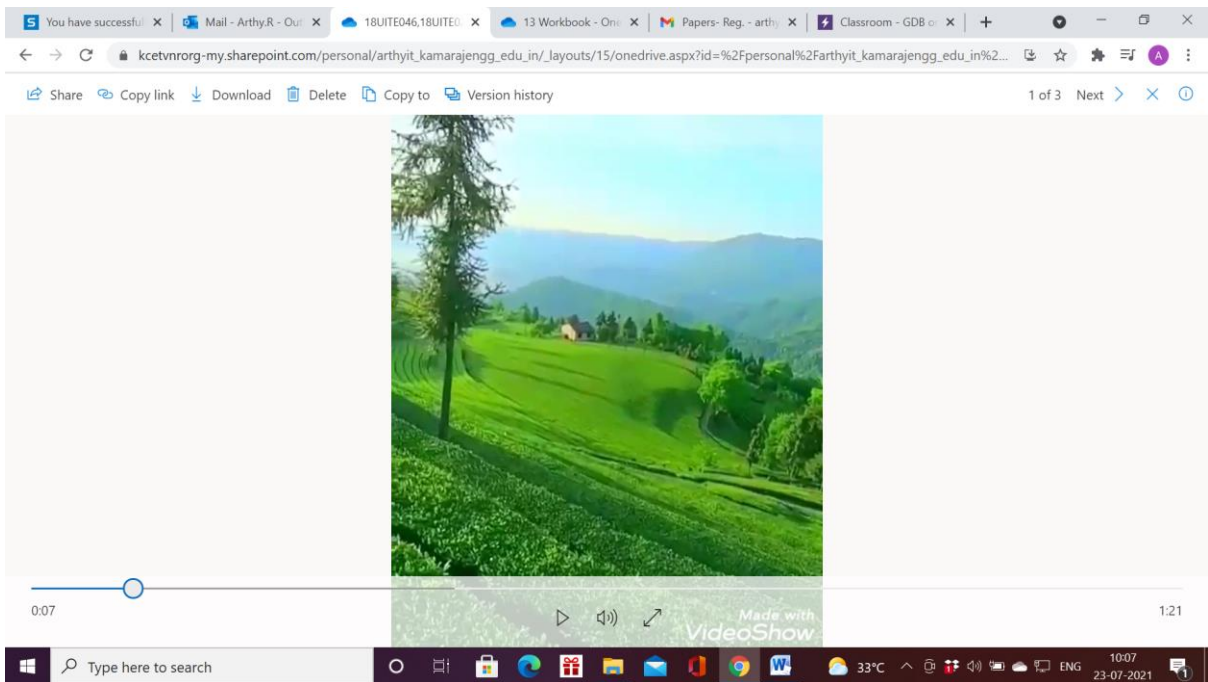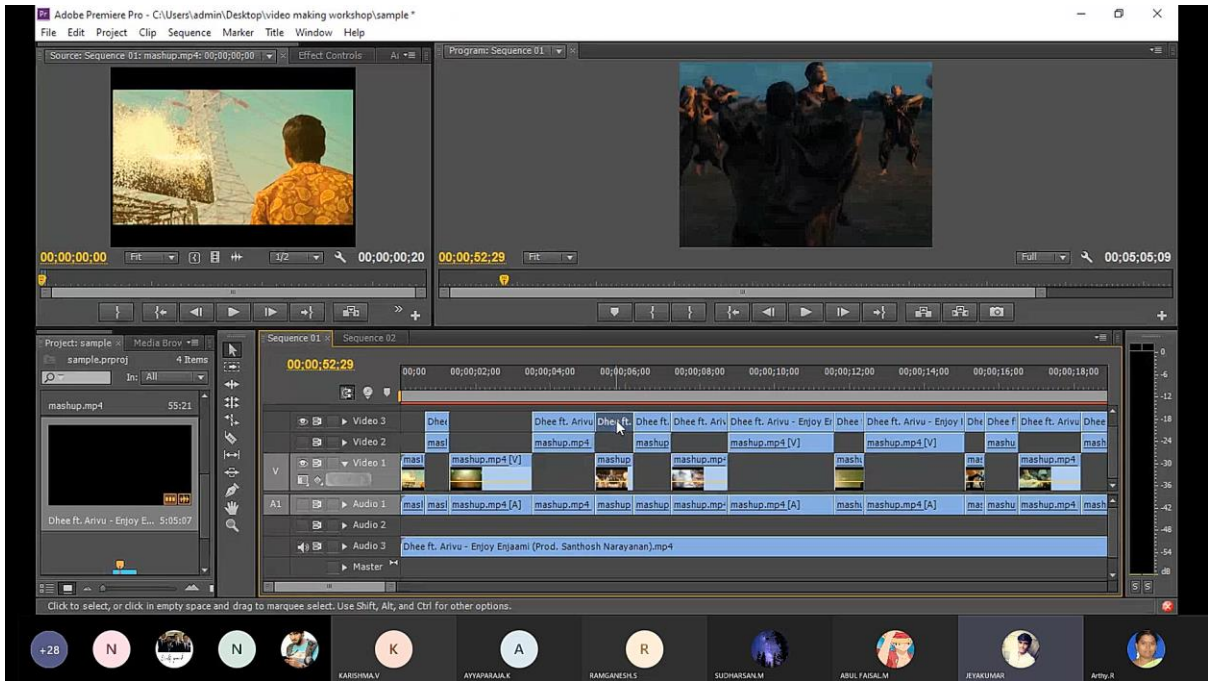**INNOVIT – Association of Information Technology**

CIRCULAR

16.04.2021

_____

The Department of Information Technology and INNOVIT – Association of Information Technology is going to organize **"Video Making"** for III IT Students on 17.04.2021 (Saturday) at 09:30 a.m. to enrich the knowledge in CS8092 – Computer Graphics and Multimedia subject.

Department Association In – Charge   **HOD/IT**

Snap:

Certification courses

Certificate of Completion

This is to certify that **Janani** successfully completed 1.5 total hours of **Mastering HTML5: Beginner to Expert [2020]** online course on Aug. 1, 2020

Ilkin Guluzada

Ilkin Guluzada, Instructor

&

U Udemy

Certificate no: UC-9249db14-7880-4e6c-a0d1-848bf8234dfd
Certificate url: ude.my/UC-9249db14-7880-4e6c-a0d1-848bf8234dfd

#BeAble

CERTIFICATE

Issued 13 July 2024

This is to certify that

Shanmuga Priya

has successfully completed the

SQL Fundamentals course

COURSE COMPLETED
SQL

Yeva Hyusyan
Chief Executive Officer

Certificate 1109-21073780

∧ ∨ | 1 | of 2 🔍 ↻ 🔍

MYCAPTAIN

CERTIFICATE OF COMPLETION

This is to certify that

Mu.Nandhini

has successfully completed the MyCaptain

Web Development Course

with Captain Aquib Ajani in September, 2020.

We wish you all the best for your future endeavours.

Sameer Ramesh
(Chief Product Officer)

Certificate reference ID : ZH0TZPI40X4J

CERTIFICATE
PROUDLY PRESENTED TO

Dhinakaran S

Learn how to build a website in 2 hours - No coding
knowledge needed

Jul 7, 2020

Date of Completion

Kiran Sharma

Organizer

SKILL SAFARI

CERTIFICATE OF COMPLETION

This certifies that

Arun Kumar

has successfully completed

Basic Radio Awareness

October 16, 2021

RADIO · ACADEMY

tait
communications

Date of completion

Garry Diack
CEO Tait Communications

KROHNE

►measure the facts

Certificate

Vinothkumar M

has successfully passed the eLearning course

PROFINET – One of the leading industrial Ethernet communications interfaces

on 26. Sep 2021.

Topics:
- What is PROFINET about and basics
- Advantages of PROFINET in plant operation
- Summary

2. Participative learning
Seminars

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DEPARTMENT OF INFORMATION TECHNOLOGY
GROUP SEMINAR

Academic Year: 2020 – 2021 [ODD]

Subject Code : CS8792   **Subject In – Charge:** R. Arthy

Subject Name : Cryptography and Network Security

S.No.	Team Name	Team Members	Topic	Seminar Date
1	Black Panthers	1.17UITE006-Vinayak Amirtharaj.A.R.M 2.17UITE007-Bharath 3.17UITE009-Vishnu Raaj.B 4.17UITE021-Malik Chandra Pandian 5.17UITE023-Dharma Raj.S 6.17UITE025-Nandha Guru	PGP	02.11.2020
2	Awesome Blossom	1.J.Nivetha 17uite043 2.S.Sarojini 17uite045 3.A.Pirthous 17uite020 4.N.Jayasuriya 17uite030 5.R.Rajakokila 17uite026	MIME and S-MIME	02.11.2020
3	LastRow Rockerzz	17UITE005 -Meerakrishna.K 17UITE035 - Pavithra. S 17UITE011- Divya M 17UITE029 - Girija. G 17UITE040 - Swathi kannu.S.P	Malicious Software	03.11.2020
4	Gryffindor	U.kanishka I.Dhivyajothi S.ThangaPrincy N.Subha Madhumathi	Viruses	03.11.2020
5		Vishnuprabha.A Swetha.S MAthumitha.A Saranyu.M Santhana Vishnavi.E Latha.L	Worms	03.11.2020
6	Nari Koootam	Pranesh R Pommuraj J Gokul S jeya seelan karthick	SET	04.11.2020

Guest lecture

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(Approved by AICTE, New Delhi)

DEPARTMENT OF MECHATRONICS ENGINEERING

CIRCULAR

Ref: KCET/MTRE/GL1 / April/ 2020 – 21   29.04.2021

The Department of Mechatronics Engineering organizing a Guest Lecture on "SCADA applications in Utility Automation Industries" on 30.04.2021. The details of the programme are as follows:

Date	: 30.04.2021 (Friday)
Time	: 11.00 a.m to 12.30 p.m
Mode	: Online Platform-Teams
Meeting Link	: https://tinyurl.com/ztyv2dp9
Jury Member	: M.B.Balaji, B.E, R & D Engineer, ABB Chennai.
Topic	: SCADA applications in Utility Automation Industries
Relevance to PO	: PO1, PO2, PO3, PO4, PO5& PO12
Relevance to PSO	: PSO2

Event Outcome   : This program enables the students to understand the applications of SCADA in utility automation industries such as Electricity or Water Distribution.

Hence all II& III year Mechatronics students are instructed to attend the meeting without fail.

Coordinator

HoD/MTRE

Dr. K. KANNAN, M.E.,M.E.,Ph.D.,
Associate Professor & Head,
Department of Mechatronics,
Kamaraj College Of Engineering And Technology
VIRUDHUNAGAR - 626 001.

Cc to file
4. Department Main Notice Board.
5. To II&III Year Students Through their official mail.
6. Department Circular File.

Activities

ACTIVE LEARNING METHODS FOLLOWED IN CLASS ROOM TEACHING

| Name of the Faculty	**M.Geetha**
Sub Code / Name	MA1373 Transforms and Partial Differential Equations
Year / Branch	II BT
Date / Period	29.12.2021
Number of Participants	42 students
Pedagogic Tool used	**Group Activity – Power Point Presentation**
Purpose of the Tool used	To improve the creativity and interest among the students towards the subject by giving a group activity called power point presentation on "Applications of Transforms and Partial Differential Equations in Engineering Field".
Remarks	All the students came to know the important "Applications of Transforms and Partial Differential Equations in Engineering Field" effectively through their presentations.

Proof	
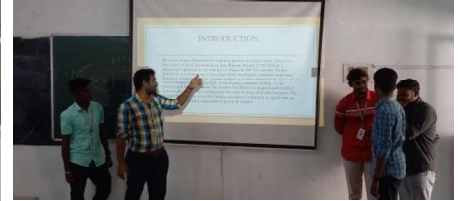
Conference

INTERNATIONAL RESEARCH JOURNAL OF EDUCATION AND TECHNOLOGY
(www.irjweb.com)

CERTIFICATE OF PUBLICATION

This is to certify that
S.Hariharan P.Lingesh Dhanaraj and A.Dhanaseelan
UG Student/EEE
Kamaraj College of Engineering and Technology, Madurai, India.

Published a paper entitled

Overview of Power Quality Issues and Improvement Techniques

Has been Published in

Volume: 03 Issue: 03 . November 2021 Page Number 50-56
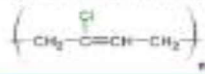
authorized signature
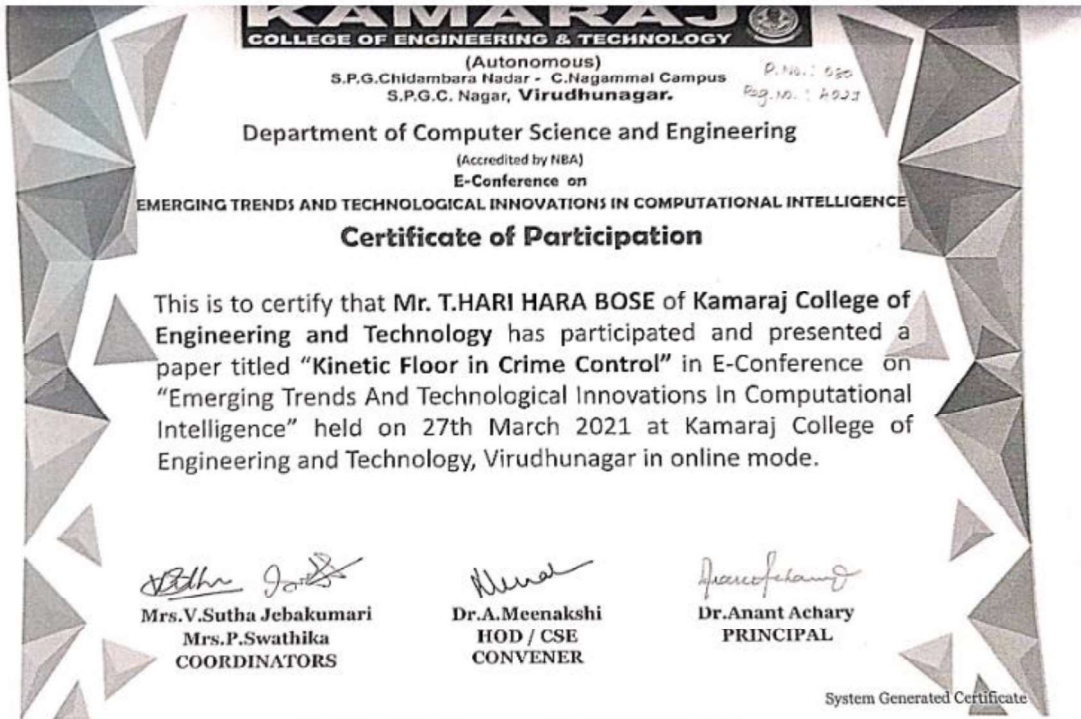
3.Problem solving methods

Assignments

Chloroprene Rubber

Polychloroprene (CR), also known as Neoprene is the fourth largest volume diene elastomer.

Structure:

Polychloroprene (Neoprene, CR)

Properties:

✓ It exhibits good UV and ozone stability and has good resistant to oil and other chemicals.

✓ CR is also known for its excellent abrasion resistance and toughness.

✓ Its mechanical properties are generally inferior to those of natural rubber. but it has superior chemical resistance.

✓ It is one of the few rubbers that is self-extinguishing.

Applications:

Polychloroprene is used in a variety of products including:

△ Coatings
△ Adhesives
△ Molded elastomeric products
(such as gaskets, cable jackets, tubing, seals, O-rings)
△ Electrical insulations.
△ Weather resistant Products.
(such as wet suits and orthopedic braces).

O-Rings

Submitted by
> T. Giftson Salomon Raja
(19upte011)
>M. Rishiharaguru
(19upte012)
>K.M.Bharath Kumar
(19upte013)

CS8080 - Information

Retrieval

Techniques

Assignment 'I'

Year IV   17UCSE064

CSE 'B'   5/3/2021.

1) Represent the following knowledge base in boolean query format (DNF) $k_a \wedge (k_b \vee \neg k_a)$ for the vocabulary $\{k_a, k_b, k_c\}$

Query, $q = k_a \wedge (k_b \vee \neg k_c)$
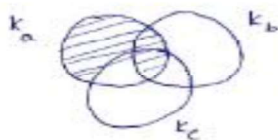
vocabulary, $V = \{k_a, k_b, k_c\}$

Then,

$q_{DNF} = (1,1,1) \vee (1,1,0) \vee (1,0,0)$

$c(q) = a$ cognitive component for q

The three conjunctive component for the query

$q = k_a \wedge (k_b \vee \neg k_c)$

This approach works even if the vocabulary of the collection includes term not in the query.

2) $k_a \wedge (k_b \wedge \vee \neg k_c)$ for the vocabulary $\{k_a, k_b, k_c, k_d\}$

vocabulary, $r = \{k_a, k_b, k_c, k_d\}$

query, $q = k_a \wedge (k_b \vee \neg k_c)$

$c(d_j) = (1,1,1,0)$

$q_{DNF} = (1,1,1,0) \vee (1,1,1,1) \vee (1,1,0,0)$

3) Compute Team Frequency (tf) table, inverse document frequency (idf) table for the following Set of Documents

D1 : To do is to be
     To be is to do

D2 : To be or not to be
     I am what I am

D3 : I think therefore I am
     Do be do be do

D4 : Do do do, da da, da
     Let it be, let it be

Let D_1, D_2, D_3, D_4 be $tf_1, tf_{i,2}, tf_{i,3}$ and $tf_{i,4}$ respectively.

TF Table :

	Vocabulary	$tf_{i,1}$	$tf_{i,2}$	$tf_{i,3}$	$tf_{i,4}$
1	to	3	2	—	—
2	do	2	—	2.585	2.585
3	is	2	—	—	—
4	be	2	2	2	2
5	or	—	1	—	—
6	not	—	1	—	—
7	I		2	2	—

11	Therefore	-	-	1	
12	da	-	-	-	2.585
13	let	-	-	-	2
14	it	-	-	-	2

Inverse Document Frequency Table (IDF)

$$W_{ij} = \begin{cases} (1 + \log f_{ij}) \times \log \dfrac{N}{n_i} & \text{if } f_{ij} > 0 \\ 0 & \text{otherwise} \end{cases}$$

	d_1	d_2	d_3	d_4
to	3	2	-	-
do	0.830	-	1.073	1.073
is	4	-	-	-
be	-	-	-	-
or	-	-	-	-
not	-	-	-	-
I	-	-	2	-
am	-	-	1	-
what	-	-	-	-
Think	-	-	2	-
Therefore	-	-	2	-
da	-	-	-	5.170
let	-	-	-	4
it	-	-	-	4

Principles of Management.

Assignment - II

Organizational Chart

1. R. Divya Bhavathi (ITUITE012)
2. K. Mona Krishna (ITUITE005)
3. S. Breethi (ITUITE017)
4. S. Preethy Meena (ITUITE018)
5. G. Jegadeeswari (ITUITE019)
6. R. Rathinamala (ITUITE027)

Organisational Chart

An organizational chart is a diagram that visually conveys a company's internal structure by detailing the roles, responsibilities and relationships between individuals within an entity.

Organisational chart either broadly depict an enterprise company-wide or drill down to a specific department or unit.

Most Org charts are structured by using hierarchical model, which shows management or other high-ranking officials on top, and lower-level employees beneath them

Other types of charts include flat chart, in which individuals are all placed equally, and the matrix chart in which people are grouped by skills, department or

ORGANISATIONAL CHART FOR SUPERMARKET ?

Company
President (CEO)

Vice-President
Finance
- Accounts
- Billing

Regional Manager
- Customer Service
- Store Managers
- Associates

Merchandising
- Purchasing
- Receiving & Inception

Public Relations
- Reputation / Image
- Marketing
- Advertising
- Research & Development

Operations & Recruitment

Vice-President Distribution
- Product Placement
- Shipping
- Waste Management

Vice-President HR
- Staff Development

CASE STUDY

KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY

(**An Autonomous Institution** - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G.Chidambara Nadar - C.Nagammal Campus
S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near **VIRUDHUNAGAR**).

DEPARTMENT OF INFORMATION TECHNOLOGY
JAVA GAME SHOW
[14.12.2021]
Winner Board

Team Members	Place
J. Sundareswaran – 20UIT037 R. Arunkarthick – 20UIT035	I
A. Pavithra – 20UIT001 A. S. Ragavi alias Vennila – 20UITE040	II
D. Sudhakar – 20UIT019 D. Dhanish – 20UIT025	III
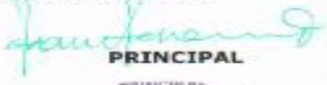
Event In – Charge   ISTE In – Charge   HoD/IT

REAL TIME PROJECTS

KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
Accredited by NAAC with "A" Grade
S.P.G. Chidambara Nadar - C. Nagammal Campus,
S.P.G.C. Nagar, K. Vellakulam - 615 701, Near Virudhunagar, Madurai District.

Dr. ANANT ACHARY, M.Tech., Ph.D.
Principal

Phone : 04549 - 278791, 278171
E-mail : principal@kamarajengg.edu.in
Website : www.kamarajengg.edu.in

Ref. No. : KAMARAJ / IT / 2018-19/

Date : 10/12/2018

TO WHOM SO IT MAY CONCERN

Sub. : Smart India Hackathon 2019 – Appointment of

College SPOC – reg.

This is to inform that the following faculty member from our institute has been appointed as College SPOC for Smart India Hackathon 2019.

Name of Official#1	: Dr. P. Subathra M.E., Ph.D.,
Designation	: Professor
Mobile No.	: +91- 9080289078
Email id.	: hodit@kamarajengg.edu.in

We understand that, the SPOC will be:

- Single point of contacts to reach out to regarding any SIH2019 related communication to the institute/ student teams from our institute.

- Will be responsible for verifying team registrations from our institute.

PRINCIPAL

PRINCIPAL
Kamaraj College of
Engineering and Technology
Virudhunagar.

(Approved by AICTE, New Delhi and Govt. of Tamilnadu and Affiliated to Anna University, Chennai)

SMART INDIA HACKATHON 2020

TEAM LIST

Team No.	Name of the Students	Mentor	Title	Hardware / Software
1	G ANITHA R SWETHA R KEERTHANA DEVI M N PRAVEEN RAJAN J SATHEESWARAN B VISHNURAAJ	Dr. M.CHENGATHIRSELVI Ms.P.KAVIYA	Rakshak: Smart Ambulance System	Software
2	I PARVIN SULTHANA S DEEPA THARINI S SHYLIN SHARON T MALIK CHANDRA PANDIAN S BALAMURUGAN M GOKULNATH	Dr. S.KARTHIKUMAR	Development of IoT Based Paper Sensor & Mobile App for Chromium Detection	Hardware
3	R SREENIDHI S NAGAJOTHI P S JOTHIKABALA K KAVITHA P SHARMILA V NIVETHITHA	Dr. V.C.PADMANABAN Mr. A.RONALDO ANUF	Real Time IoT Based Technology for Rapid Soil Testing & Management of Soil Fertility	Hardware

Signature

SPoC Signature

AN AUTONOMOUS INSTITUTION

S.P.G. Chidambara Nadar - C. Nagammal Campus,

S.P.G.C. Nagar, K. Vellakulam - 625 701, (Near Virudhunagar) Madurai District.

Dr. ANANT ACHARY, M.Tech., Ph.D. Principal	Phone : 04549 - 278791, 278171 E-mail : principal@kamarajengg.edu.in Website : www.kamarajengg.edu.in

Ref. No. : **KAMARAJ / 2019-2020 / BON / 11034**   Date : _____ **10/02/2020**

Sub: Smart India Hackathon 2020 — Nomination

    I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2020. AICTE Application No / UGC Registration No is 1-3513044973.

Team   : QCHECKAPP Problem **Category: Software (sustainable Environment) PS No.KB189**

Role	Name	Gender (M/F)	Email id
Team Leader	I.Parvin Sulthana	F	parvin061998@gmail.com
Team Member	S.Deepa Tharini	F	deepatharinis@gmail.com
Team Member	S.Shylin Sharon	F	shylinsharon18@gmail.com
Team Member	T.Malik Chandra Pandian	M	malikcp707438@gmail.com
Team Member	S.Balamurugan	M	bmurugan21899@gmail.com
Team Member	M.Gokulnath	M	gokulnathbadmition@gmail.com

Mentor Name:

    1. Dr.S.Karthikumar, AP/BT

Yours Sincerely,

PRINCIPAL

Kamaraj College of
Engineering and Technology.
Virudhunagar.

(Approved by AICTE, New Delhi and Govt. of Tamilnadu and Affiliated to Anna University, Chennai)

E BOX

Searching Algorithms - Programming ▼

0-: -9: 0-   REVIEW   = ‖ ⌂   M.JENSI ▼

PROBLEM

BINARY SEARCH

Binary Search

Once there lived a king and a queen. They were very rich and led a happy life.

The King's brother Humayun was jealous of him and he wanted to become the King. So in order to become the King, Humayun carries the Queen away and keeps her in a jail which are numbered in sorted sequence.

Humayun informs the King that he took away the Queen and if the King agrees him to become the King, he would leave the Queen. The King has a special power of flying. He flies and reaches the place where Humayun has hidden the Queen and Humayun has given clue to King about the jail number of the Queen. Luckily the King finds the key of the jail where the Queen is locked.But Humayun might have tried to fool the King by saying wrong jail number of Queen. The King

Connecting...

PROGRAM

C   SUBMIT

PREVIOUS SUBMISSIONS

```c
1  #include <stdio.h>
2  int main()
3  {
4  int i, low, high, mid, n, key, array[1000];
5  printf("Enter the total number of jails in Humayun's Place:\n");
6  scanf("%d",&n);
7  for(i=0;i<n;i++)
8  {
9  printf("Enter the jail number %d\n",i+1);
10  scanf("%d",&array[i]);
11  }
12  printf("Enter the clue given by Humayun:\n");
13  scanf("%d", &key);
14  low = 0;
15  high = n - 1;
16  mid = (low+high)/2;
17  while (low <= high) {
18  if(array[mid] < key)
19  low = mid + 1;
20  else if (array[mid] == key)
21  {
22  printf("Hurray!The king rescued the Queen");
23  break;
24  }
25  else
26  high = mid - 1;
27  mid = (low + high)/2;
28  }
29  if(low > high)
```

Activate Windows
Go to Settings to activate Windows.

Type here to search

34°C Light rain   ∧ 🔊 ⏴⏵ ENG   14:40 24-01-2022

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eBOX   ⌂

Courses   Role Based Courses   Programmes   Search   🔍

ENROLLED COURSES

ENROLLED
DATA STRUCTURES LABORATORY USING PYTHON - KCET

ENROLLED
Database Management Systems Laboratory- KCET

ENROLLED
Digital System Design and Microprocessors Laboratory...

ENROLLED
Programming and Problem Solving using C - First Year

FOUNDATIONAL COURSES

APTITUDE AND LOGICAL TRAINING

III Year | Day 46 | Skillrack Report

SP SRI RAMA PRIYA.R.P <ramapriyatdp@kamarajengg.edu.in>
Mon 10/11/2021 10:34 AM

To: CSE; IT; ECE; EEE; EIE; PT; BT; CIVIL; MECH; MTR

Cc: TDP-TEAM; ALL19UG; Dr.SENTHIL.S

Skillrack Report 2023.xlsx
175 KB

Dear Sir/Mam,

PFA the **Day 46** - **Skill Rack** Webinar report. We request the mentors to follow up their students' progress.

Sl. No.	Roll No.	Name	Branch	Mentor	Programs Solved 09.10.2021
1	19UBTE002	JEYAVARSHINI.B	BT	Dr.S.Karthikkumar	4/4
2	19UBTE004	SUDHARSHAN.G	BT	Mrs.M.Soundarya Lakshmi	4/4
3	19UBTE014	AKSARA.P	BT	Dr.K.Geetha	4/4
4	19UBTE020	VAISNAVI PANDI S	BT	Dr.S.Karthikkumar	2/4
5	19UBTE022	GAYATHRY.K	BT	Dr.I.Ganesh Moorthy	4/4
6	19UBTE030	HARISHMA R.	BT	Dr.K.Geetha	0/4
7	19UBTE031	HARRINI.K	BT	Mr.S.Manibalan	3/4
8	19UCIV001	MANIRAJ.S	CIVIL	Mr.A. KRISHNAMOORTHY	0/4
9	19UCIV005	BLESSY.V	CIVIL	Ms.J.CHRISTIA RANI	0/4

Skillrack Webinar Report

Sl. No.	Roll No.	Name	Branch	Mentor	Programs Solved 26.07.2021	Programs Solved 27.07.2021	Programs Solved 28.07.2021	Programs Solved 29.07.2021	Programs Solved 30.07.2021
1	19UBTE002	JEYAVARSHINI.B	BT	Dr.S.Karthikkumar	5/5	5/5	5/5	5/5	5/5
2	19UBTE004	SUDHARSHAN.G	BT	Mrs.M.Soundarya Lakshmi	5/5	5/5	5/5	5/5	5/5
3	19UBTE014	AKSARA.P	BT	Dr.K.Geetha	5/5	5/5	5/5	5/5	5/5
4	19UBTE020	VAISNAVI PANDI S	BT	Dr.S.Karthikkumar	5/5	5/5	5/5	5/5	5/5
5	19UBTE022	GAYATHRY.K	BT	Dr.I.Ganesh Moorthy	5/5	5/5	5/5	5/5	5/5
6	19UBTE030	HARISHMA R.	BT	Dr.K.Geetha	5/5	5/5	5/5	5/5	5/5
7	19UBTE031	HARRINI.K	BT	Mr.S.Manibalan	5/5	5/5	5/5	5/5	5/5
8	19UCIV001	MANIRAJ.S	CIVIL	Mr.A. KRISHNAMOORTHY	0/5	0/5	0/5	0/5	0/5
9	19UCIV005	BLESSY.V	CIVIL	Ms.J.CHRISTIA RANI	5/5	5/5	5/5	1/5	0/5
10	19UCIV006	SIVA ANAND.S.V	CIVIL	Dr.A. KARTHIK	5/5	5/5	5/5	5/5	5/5
11	19UCIV007	AKASH.K	CIVIL	Mrs.B. DEEPA	1/5	0/5	3/5	5/5	5/5
12	19UCIV009	RAJAMUNEESWARAN.N	CIVIL	Mr.P.GANESH PRABHU	0/5	0/5	0/5	0/5	0/5
13	19UCIV010	KABILAN.M	CIVIL	Mr.P.PONKARTHIKEYAN	0/5	0/5	0/5	0/5	0/5
14	19UCIV011	PRANAB SHARMA	CIVIL	Mr.K. HARIHARAN	0/5	5/5	5/5	5/5	5/5
15	19UCIV014	MATHESH.S	CIVIL	Mr.P.PONKARTHIKEYAN	0/5	0/5	0/5	0/5	0/5
16	19UCIV020	ASWINI LAKSHMI.M	CIVIL	Mr.K. HARIHARAN	5/5	5/5	5/5	5/5	5/5
17	19UCIV021	AJAYKANNAN.A.A	CIVIL	Ms.S.BRINTHA	0/5	0/5	0/5	0/5	0/5
18	19UCIV024	VANDHANA.S	CIVIL	Ms.R. SANGEETHA	5/5	5/5	5/5	5/5	5/5
19	19UCIV029	KARTHICKRAJA.P(CI)	CIVIL	Mr.P.PONKARTHIKEYAN	0/5	0/5	0/5	0/5	0/5
20	19UCSE002	PRASANA KUMAR.N	CSE	Ms.G.VIJAYALALITHA	5/5	5/5	5/5	5/5	5/5

Week 1 | **Week 2** | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9