



Srishyla Educational Trust (R), Bheemasamudra
GM INSTITUTE OF TECHNOLOGY, DAVANAGERE
Department of Computer Science & Engineering
[Accredited by NBA New Delhi, Valid Upto 30.06.2022]



Report on
3 Day Hands on Workshop on
“Arduino Programming”

Date: 25th to 27th Feb, 2021

Faculty Coordinator:

Mr. Maruthi S T

Asst. Professor
Dept. of CS&E
GMIT, Davanagere





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Tequed Labs

in association with

GM Institute of Technology

Presents

3 DAY HANDS ON WORKSHOP ON ARDUINO PROGRAMMING

Program Highlights

- Hands On Experience
- Project Based Learning
- Build Projects

Dates:

25th,26th,27th

February 2021

For any Queries Contact: 8088219317

Registration Fee

Rs 500/-

For Registrations

Contact: Mr. Maruthi S T

Asst. Professor, Dept of CSE

Ph no: 9880099098



Srishyla Educational Trust (R), Bheemasamudra

GM INSTITUTE OF TECHNOLOGY, DAVANGERE

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GMIT Campus, P.B. Road, Davangere – 577 006



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Cordially invite you for the Inaugural function of

“Three days Hands- On workshop on ARDUINO Programming”
(26th – 27th Feb 2021)

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- Resource Person** : **Mr. Aditya**
Chief Technology Officer
Tequed Lab Bangalore.
- Mr. Anirudh B**
Manager, Tequed Lab Bangalore
- Mr. Bheem Kiran**
Manager, Tequed Lab Bangalore
- President** : **Dr. Y. Vijaya Kumar**
Principal
GMIT, Davangere
- Special Invitees** : **Dr. Sunil Kumar B S**
Dean- Academics
Professor & Head. Dept. of IS&E.
- Dr. Onkarappa K S**
Professor & Head. Dept. of Mathematics.
- Convener** : **Dr. Sanjay Pande M B**
Professor & Head. Dept. of CS&E.
- Coordinator** : **Mr. Maruthi S T**
Asst. Professor. Dept. of CS&E.

Venue : **Kalpana Chawla Seminar Hall**
Time : **10:00 a.m.**



3 Day Hands-on Workshop on "Arduino Programming"

Three Day Hands-on workshop on "Arduino Programming" for 1st Sem Students of all the departments was conducted from 25th to 27th February, 2021 under the banner of Forum FALCON 20-21 at Kalpana Chawla Seminar Hall, Department of CS&E GMIT. Dr. Y Vijaya Kumar, Principal, Dr Sunil Kumar B S, Dean Academics & Professor, Dept. of IS&E GMIT, Dr Sanjay Pande M B, Professor & Head, Dept. of CS&E, Dr Onkarappa H S, Professor & Head, Dept. of Mathematics, Mr. Aditya, CTO, Tequed Labs, Mr. Nithin & Anirudh, Managers from Tequed Labs, Bangalore, were present during the inaugural event. Soon after the inauguration session was started and a total of 5 hands on sessions were conducted with the help of hardware kit which was distributed among the students. Students were happy and curious to learn Arduino programming with practical knowledge. Ideathon was conducted at the last day of the workshop and winners got their certificates and goodies. All the participants got their participation certificate soon after the valedictory function held on the last day. Mr. Maruthi S T, Assistant Professor, Dept of CS&E who coordinated the overall event congratulated & thanked all the participants for their successful completion of the workshop.



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**3 DAY HANDS ON
WORKSHOP ON
ARDUINO
PROGRAMMING**

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- Hands On Experience
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- Build Projects

Dates:
25th, 26th, 27th
February 2021

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Rs 500/-

For any Queries Contact: 8088219311

For Registrations
Contact: Mr. Maruthi S T
Asst. Professor, Dept of CSE
Ph no: 9880099098

Fig: Workshop poster circulated among students.



Fig: Dr Sanjay Pande M B, Professor & Head, Dept. of CS&E addressing the participants during the inauguration of Three-Day Hands-on workshop.

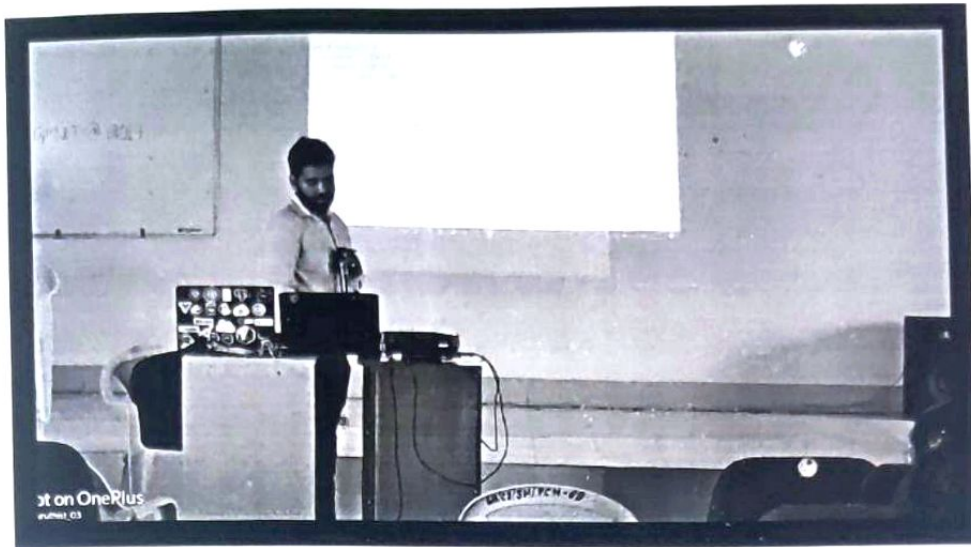


Fig: Mr. Aditya, CTO, Tequed Labs delivering content during the session to all first-year participants.

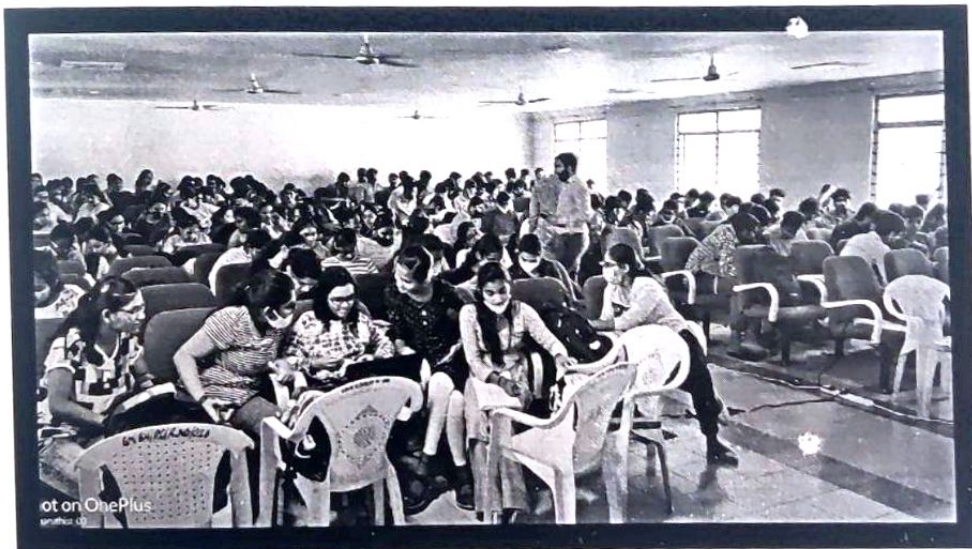


Fig: A random picture taken during the session which shows the active participation of the students.



Fig: Dr. Y Vijaya Kumar, Principal, GMIT handing over the participation certificates to all the students.

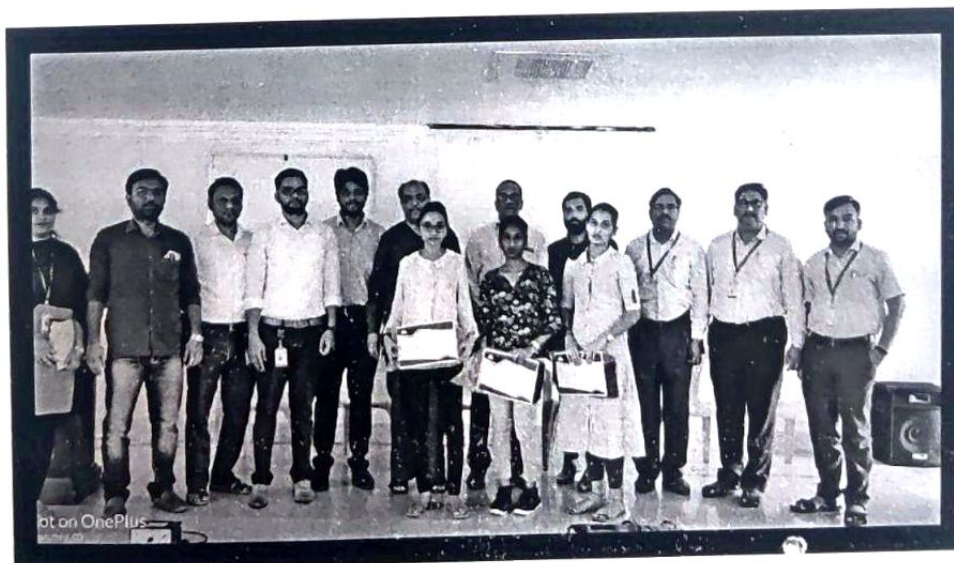


Fig: Team UNO-Winners of Ideathon conducted during third day of the workshop.



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Arduino Hands-On Workshop

Workshop Highlights

- Open Source Platform
- Easy to learn
- Easy to Debug
- Interfacing I/O devices
- Interfacing External Peripherals
- Learn Advance Topics
- Live Projects

Course Highlights

1. Introduction to Embedded System
2. Introduction to Open Source platform
3. Introduction to Microcontroller
4. Introduction to Programming Language
5. Introduction to IDE
6. Interfacing of I/O devices
7. LEDs, Switchs, Buzzers, Display Devices
- 8. Serial Communication**

HEADOFFICE | FLOOR# 1, NO 10, 3RD A CROSS, ANJANEYA NAGAR, BENGALURU, KARNATAKA | 560085 | INDIA

WEB | WWW.TEQUEDLABS.COM/ EMAIL | info@tequedlabs.com

CORPORATE IDENTIFICATION NO. U72900KA20180PC109769

Contact Number - +91 9353687219



TEQUED LABS PVT LTD

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Live Projects

1. Blinking LED
2. Google Assistant
3. De-bouncing and many more

Arduino Development Board

- Programming via boot loading through USB Port or 6-Pin ISP (In System Programming) cable.
- Plug & Play device
- Three ports available for user interface: PORTB, PORTC, PORTD
- External Reset Switch
- On board crystal oscillator of 16 MHz frequency
- Two supply inputs: One through USB and Second through Adapter
- On board 5 volt regulated power supply for the board and external peripherals

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ABSTRACT REPORT


Date: 28/2/2021

Total Amount Collected	Rs 70,000/-
70% of Total Amount Collected	Rs 49,000/-**
30% of Total Amount Collected	Rs 21,000/-

** As per discussions, 70% of the amount collected i.e. Rs 49,000 is paid towards Tequed Labs, Bangalore for organising 3-Day Hands on workshop on “Arduino Programming” from 25th to 27th, Feb 2021

30% of Total Amount Collected	Rs 21,000/-
Total Expenses towards Workshop Conduction	Rs 8010/-
Balance	Rs 12,990/-***

*** Balance amount of Rs 12,990/- is added to Forum FALCON account.


Faculty In charge

Mr. Maruthi S T
Faculty In-charge
Dept. of Computer Science & Engg.
GMIT, Davangere-06.


HOD

Dr. Sanjay Pande M B
Head of the Department
Dept. of Computer Science & Engg.
GM Institute of Technology
DAVANAGERE - 577 006



Srishyla Educational Trust (R), Bheemasamudra
GM INSTITUTE OF TECHNOLOGY, DAVANAGERE



SUMMARY OF REGISTRATION FEE COLLECTED

Date: 28/2/2021

SI No	Section	Participants	Amount
1	A	19	Rs 9500/-
2	B	20	Rs 10000/-
3	C	43	Rs 21,500/-
4	D	16	Rs 8000/-
5	E	8	Rs 4000/-
6	F	8	Rs 4000/-
7	G	13	Rs 6500/-
8	H	10	Rs 5000/-
9	I	3	Rs 1500/-
Total		140	Rs 70000/-

Amount in words: *Seventy thousand rupees only/-*


Faculty In charge

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Faculty In-charge
Dept. of Computer Science & Engg.
GMIT, Davangere-06.


HOD

Dr. Sanjay Pande M B

Head of the Department
Dept. of Computer Science & Engg
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ABSTRACT REPORT OF EXPENSES

Date: 28/2/2021

Sl No	Particulars	Amount
1	Refreshments-Treat Burst (5 Rs each*150 Qty)	Rs 750/-
2	Snacks – Vada Pav (15 Rs each * 165 Qty)	Rs 2475/-
3	Certificate Printing	Rs 1710/-
4	Batteries for audio system	Rs 75/-
5	Coffee/Tea	Rs 240/-
6	Team Dinner	Rs 1800/-
7	Inauguration Event Arrangements	Rs 460/-
8	Miscellaneous	Rs 500/-
Total		Rs 8010/-

Amount in words: *Eight thousand and ten rupees only/-*

Faculty In charge

Mr. Maruthi S T

Faculty In-charge

Dept. of Computer Science & Engg.
GMIT, Davanagere-06.

HOD

Dr. Sanjay Pande M B

Head of the Department
Dept. of Computer Science & Engg
GM Institute of Technology
DAVANAGERE - 577 006

Estimate

No. : SSO002540 Date 25/02/21

PARTICULARS	Qty	RATE	AMOUNT
TREAT BURST 5RS	5.00	150.00	749.99

Total : 749.99
R OFF : 0.01

F.B.C

Amount ₹

Thank You Visit Again



FALCON
Challenging the Limits

Refreshments

chocolates - 750/-



FALCON
Challenging the Limits

Refreshments

Vada Pav

165 X 15 = 2475/-

57

26/2/21

Certificate party

1710/-

A3-78-

1710

S



FALCON
Challenging the Limits

1710

M

1710/- eb

CREDIT VOUCHER

No. 123

Date: 26/07/21

Name: Gmit

S.No.	Particulars	Qty.	Rate	Amount
01.	Shells	5	15	75
02.				
03.				
04.				
05.				
06.				
07.				
08.				
09.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
Total				75



Received Rupees Seventy five only

Batteries for Mic/Audio System



Srishyala Educational Trust (R), Bheemasamudra
GM INSTITUTE OF TECHNOLOGY, DAVANGEI
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



ATTENDANCE SHEET

3-DAY HANDS ON WORKSHOP ON ARDUINO PROGRAMMING

In Association with TEQUED LABS, BANGALORE

BRANCH	COMPUTER SCIENCE & ENGINEERING
SECTION	B

SI No	Name of the Student	Amount Paid	Sign
1	PRANAV V	500/- CASH	
2	NAVAPRETTAN N	500/- CASH	
3	SAGAR PATIL	500/- CASH	
4	TEJU S	500/- CASH	
5	OM G B	500/- CASH	
6	PANKAJ KUMAR	500/- CASH	
7	VARUN S PATIL	500/- CASH	
8	YASHAS M S NAIDU G	500/- CASH	
9	PRAJWAL	500/- CASH	
10	SHASHANK G S	500/- CASH	
11	SANDESH S S	500/- CASH	
12	RAYEES AHMAD KHAN	500/- P PAY	
13	SANJANA K	500/- CASH	
14	NANDINI L B	500/- CASH	
15	NIKITHA B	500/- CASH	
16	POOJA H P	500/- CASH	
17	SHASHTI D B	500/- CASH	
18	SIMRAN SHAIK	500/- CASH	
19	SAJEEDA	500/- CASH	
20	SUSHMA K	500/- CASH	

TOTAL NO OF STUDENTS REGISTERED	20
TOTAL AMOUNT COLLECTED	10000





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GM INSTITUTE OF TECHNOLOGY, DAVANGERI
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



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BRANCH	INFORMATION SCIENCE & ENGINEERING
SECTION	C

SI No	Name of the Student	Amount Paid	Sign
1	ABHISHEK BELAGAVI	500/- CASH	
2	ADARSH	500/- CASH	
3	VARUN GOWDA	500/- CASH	
4	ASRAR	500/- CASH	
5	TEJAS	500/- CASH	
6	VINAY	500/- CASH	
7	SHREYAS M V	500/- CASH	
8	MANOJ	500/- CASH	
9	SUHAS	500/- CASH	
10	HULIGESH	500/- CASH	
11	CHANNABASAVANNA	500/- CASH	
12	SHREYAS H M	500/- CASH	
13	PAVAN P	500/- CASH	
14	KAVANA G H	500/- CASH	
15	DYAMALAMBA C	500/- CASH	
16	RIZA FATHIMA	500/- CASH	
17	SANJANA R	500/- CASH	
18	DHANALAKSHMI S	500/- CASH	
19	ANANYA PATEL G P	500/- CASH	
20	DEVIKA M	500/- CASH	
21	CHAITRA R	500/- CASH	
22	ANANYA H S	500/- CASH	
23	SHREYA V UPADHYAYA	500/- CASH	
24	SAHANA M S	500/- CASH	
25	JEEVITHA M J	500/- CASH	

Sl No	Name of the Student	Amount Paid	Sign
26	CHINMAYI R	500/- CASH	
27	KAVYA HEGDE	500/- CASH	
28	SHREYA	500/- CASH	
29	BHOOMIKA G B	500/- CASH	
30	SPOORTHI N M	500/- CASH	
31	CHITRA L R	500/- CASH	
32	SINDHU B A	500/- CASH	
33	SAHANA S S	500/- CASH	
34	PADMASHREE V HEGDE	500/- CASH	
35	PALLAVI	500/- CASH	
36	NISARGA M D	500/- CASH	
37	CHANDANA P	500/- CASH	
38	KAVANA M	500/- CASH	
39	SACHITHA B	500/- CASH	
40	RADHIKA S B	500/- CASH	
41	JAHNAVI H S	500/- CASH	
42	HAMSA K G	500/- CASH	
43	BHUVANA B G	500/- CASH	

TOTAL NO OF STUDENTS REGISTERED	43
TOTAL AMOUNT COLLECTED	21500



3-DAY HANDS ON WORKSHOP ON ARDUINO PROGRAMMING

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BRANCH	ARTIFICIAL INTELLIGENCE & MACHINE LEARNING
SECTION	D

SI No	Name of the Student	Amount Paid	Sign
1	NAMAN CHOWHAN	500/- CASH	
2	GOUTHAM NAIR	500/- CASH	
3	V SRIKRISHNA DEVARAYUDU	500/- CASH	
4	SHREYAS HONNUR	500/- CASH	
5	SHASHANK R CHOWLA	500/- CASH	
6	KRUTHIKA K R	500/- CASH	
7	KAVYA P P	500/- CASH	
8	SINCHANA A E	500/- CASH	
9	MEGHANA D D	500/- CASH	
10	R MAHAMMED SHIHAB	500/- CASH	
11	PRATEEK M HADAGALI	500/- CASH	
12	VEERESH C H	500/- CASH	
13	SAMARTH PATIL	500/- CASH	
14	PRATHIKSHA T H	500/- CASH	
15	NIVEDITHA G D	500/- CASH	
16	B SUFIYAN	500/- CASH	

TOTAL NO OF STUDENTS REGISTERED	16
TOTAL AMOUNT COLLECTED	6500 1500 = 8000
NOT PAID	1500



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3-DAY HANDS ON WORKSHOP ON ARDUINO PROGRAMMING

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BRANCH	CIVIL ENGINEERING
SECTION	E

Sl No	Name of the Student	Amount Paid	Sign
1	RAMYA K S	500/- CASH	
2	SOUMYA G HIEMATH	500/- CASH	
3	SUMAYYA	500/- CASH	
4	KAVERI V S	500/- CASH	
5	SAHANA B	500/- CASH	
6	VINAYAKA K B	500/- P PAY	
7	VIKRANTH B	500/- P PAY	
8	SHREYA H	500/- P PAY	

TOTAL NO OF STUDENTS REGISTERED	8
TOTAL AMOUNT COLLECTED	4000





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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



ATTENDANCE SHEET
3-DAY HANDS ON WORKSHOP ON ARDUINO PROGRAMMING
In Association with TEQUED LABS, BANGALORE

BRANCH	ELECTRONICS & COMMUNICATION ENGINEERING
SECTION	F

Sl No	Name of the Student	Amount Paid	Sign
1	DHANYASHREE A N	500/- CASH	
2	AMRUTHA U	500/- CASH	
3	SOUMYA M V S	500/- CASH	
4	AMULYA B G	500/- CASH	
5	JAFAR S	500/- CASH	
6	LIKITH G K	500/- C PAY	
7	KARTHIK S R	500/- P PAY	
8	DARSHAN G P	500/- P PAY	

TOTAL NO OF STUDENTS REGISTERED	8
TOTAL AMOUNT COLLECTED	2500 + 1500 = 4000
NOT PAID	1/3





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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ATTENDANCE SHEET



3-DAY HANDS ON WORKSHOP ON ARDUINO PROGRAMMING
In Association with TEQUED LABS, BANGALORE

BRANCH	ELECTRONICS & COMMUNICATION ENGINEERING
SECTION	F

Sl No	Name of the Student	Amount Paid	Sign
1	DHANYASHREE A N	500/- CASH	
2	AMRUTHA U	500/- CASH	
3	SOUMYA M V S	500/- CASH	
4	AMULYA B G	500/- CASH	
5	JAFAR S	500/- CASH	
6	LIKITH G K	500/- C PAY	
7	KARTHIK S R	500/- P PAY	
8	DARSHAN G P	500/- P PAY	

TOTAL NO OF STUDENTS REGISTERED	8
TOTAL AMOUNT COLLECTED	2500 + 1500 = 4000
NOT PAID	1/3,





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BRANCH	BIOTECHNOLOGY ENGINEERING
SECTION	H

Sl No	Name of the Student	Amount Paid	Sign
1	NAVYA J M	500/- CASH	
2	JANANI D	500/- CASH	
3	MEHAK IRUM	500/- CASH	
4	ASMA	500/- CASH	
5	ANUSHA C U	500/- CASH	
6	MUSAB ANAS	500/- CASH	
7	KIRAN B	500/- CASH	
8	NAMITHA H N	500/- CASH	
9	TANAYA T	500/- CASH	
10	AKSHAY SHET	500/- CASH	

TOTAL NO OF STUDENTS REGISTERED	10	
TOTAL AMOUNT COLLECTED	4000 + 1000 = 5000/-	
NOT PAID	2	





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MECHANICAL ENGINEERING

BRANCH
SECTION

I

Sl No	Name of the Student	Amount Paid	Sign
1	MUNI P	500/- CASH	
2	AMOGH M G	500/- CASH	
3	VILAS RAO T	500/- CASH	

TOTAL NO OF STUDENTS REGISTERED	3
TOTAL AMOUNT COLLECTED	1500



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BRANCH	COMPUTER SCIENCE & ENGINEERING	SECTION	A <th>SEM</th> <td>1st</td>	SEM	1st
--------	--------------------------------	---------	-----------------------------	-----	-----

Sl No	Name of the Student	25-02-2021		26-02-2021		27-02-2021	Remarks
		Session 1	Session 2	Session 1	Session 2	Session 1	
1	AMOGH H B M	Present	Present	Present	Present	AB	
2	CHANDAN B	Present	Present	Present	Present	AB	
3	ASIF H	Present	Present	Present	Present	AB	
4	ABHISHEK U	Present	Present	Present	Present	AB	
5	M. NAVANEETH M	Present	Present	Present	Present	AB	Print Return
6	MANU A R	Present	Present	Present	Present	AB	Print Return
7	MARULASIDDESH G U	Present	Present	Present	Present	AB	
8	HARSHA S H	Present	Present	Present	Present	AB	
9	LIKITHI SIDDHARTH M R. Srinivas	Present	Present	Present	Present	AB	
10	ANKITH M S	Present	Present	Present	Present	AB	
11	AITH H Palagan	Present	Present	Present	Present	AB	
12	YASHAS G M	Present	Present	Present	Present	AB	
13	JEEVAN J C	Present	Present	Present	Present	AB	
14	MAHESH GOWDA M G	Present	Present	Present	Present	AB	
15	CHANDAN H Belavrigi	Present	Present	Present	Present	AB	
16	MANASVI. N. A. Siva	Present	Present	Present	Present	AB	
17	CHANDANA S RAMANAHALLI	Present	Present	Present	Present	AB	
18	LEKHANA K S	Present	Present	Present	Present	AB	
19	KEERTHANA G U	Present	Present	Present	Present	AB	
20	HEMA D PUJAR HEMA D POOTAR	Present	Present	Present	Present	AB	
21	CHANDANA S	Present	Present	Present	Present	AB	

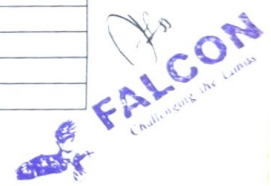


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BRANCH	COMPUTER SCIENCE & ENGINEERING	SECTION	B	SEM	1st
--------	--------------------------------	---------	---	-----	-----

Sl No	Name of the Student	25-02-2021		26-02-2021		27-02-2021	Remarks
		Session 1	Session 2	Session 1	Session 2	Session 1	
1	PRANAV V	AB	AD	AB	AD	AB	
2	NAVAPRETTAM N	AB	AD	AB	AD	AB	
3	SAGAR PATIL	Sagar	Sagar	Sagar	Sagar	AB	
4	TEJUS THEJU S. B	Teju	Teju	Teju	Teju	AB	
5	OM G DALBAN JAA	Om	Om	Om	Om	AB	
6	PANKAJ KUMAR .B	Pankaj	Pankaj	Pankaj	Pankaj	AB	
7	VARUN S PATIL	Varun	Varun	Varun	Varun	AB	
8	YASHAS M S NAIDU G	Yashas	Yashas	Yashas	Yashas	AB	
9	PRAJWAL	Prajwal	Prajwal	Prajwal	Prajwal	AB	
10	SHASHANK G S	Shashank	Shashank	Shashank	Shashank	AB	
11	SANDESH S S	Sandesh	Sandesh	Sandesh	Sandesh	Sandesh	
12	RAYEES AHMAD KHAN	Rayees	Rayees	Rayees	Rayees	Rayees	
13	SANJANA K	Sanjana	Sanjana	Sanjana	Sanjana	Sanjana	
14	NANDINI L B	Nandini	Nandini	Nandini	Nandini	Nandini	
15	NIKITHA B Nikhitha .B	Nikhitha	Nikhitha	Nikhitha	Nikhitha	Nikhitha	
16	POOJA H P	Pooja	Pooja	Pooja	Pooja	Pooja	
17	SHASHTI D B	Shashti	Shashti	Shashti	Shashti	Shashti	
18	SIMRAN SHAIK	Simran	Simran	Simran	Simran	Simran	
19	SAJEEDA KHANUM H Z	Sajeeda	Sajeeda	Sajeeda	Sajeeda	Sajeeda	
20	SUSHMA Kumari B	Sushma	Sushma	Sushma	Sushma	Sushma	

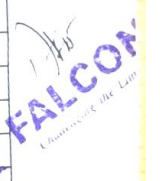


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3-DAY HANDS ON WORKSHOP ON ARDUINO PROGRAMMING
 In Association with TEQUED LABS, BANGALORE

BRANCH	INFORMATION SCIENCE & ENGINEERING	SECTION	C	SEM	1st
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Sl No	Name of the Student	25-02-2021		26-02-2021		27-02-2021	Remarks
		Session 1	Session 2	Session 1	Session 2	Session 1	
1	ABHISHEK BELAGAVI	AB	AB	AB	AB	AB	
2	ADARSH D.C	Adarsh D.C	Adarsh D.C	Adarsh D.C	Adarsh D.C	Adarsh D.C	
3	VARUN GOWDA.T	Varun Gowda	Varun Gowda	Varun Gowda	Varun Gowda	Varun Gowda	
4	ASRAR.S.B	ASRAR	ASRAR	ASRAR	ASRAR	ASRAR	
5	TEJAS.A.G	Tejas	Tejas	Tejas	Tejas	Tejas	
6	VINAY H.S.	Vinay	Vinay	Vinay	Vinay	Vinay	
7	SHREYAS M V	Shreyas	Shreyas	Shreyas	Shreyas	Shreyas	
8	MANOJ.V Kulkarni	Manoj	Manoj	Manoj	Manoj	Manoj	
9	SUHAS.S CHAUHAN	Suhas	Suhas	Suhas	Suhas	Suhas	
10	HULIGESH BONDARE HULIGESH	Huligesh	Huligesh	Huligesh	Huligesh	Huligesh	
11	CHANNABASAVANNA.S.PAWATE	Channabasavanna	Channabasavanna	Channabasavanna	Channabasavanna	AB	
12	SHREYAS H M	Shreyas	Shreyas	Shreyas	Shreyas	AB	
13	PAVAN P	Pavan	Pavan	Pavan	Pavan	AB	
14	KAVANA G H	Kavana	Kavana	Kavana	Kavana	Kavana	
15	DYAMALAMBA C	Dyamalamba	Dyamalamba	Dyamalamba	Dyamalamba	Dyamalamba	
16	RIZA FATHIMA	Riza	Riza	Riza	Riza	Riza	
17	SANJANA R	Sanjana	Sanjana	Sanjana	Sanjana	Sanjana	
18	DHANALAKSHMI S	Dhanalakshmi	Dhanalakshmi	Dhanalakshmi	Dhanalakshmi	Dhanalakshmi	
19	ANANYA PATEL G P	Ananya	Ananya	Ananya	Ananya	Ananya	
20	DEVIKA M	Devika	Devika	Devika	Devika	Devika	



Sl No	Name of the Student	25-02-2021		26-02-2021		27-02-2021	Remarks
		Session 1	Session 2	Session 1	Session 2	Session 1	
21	CHAITRA R	Chaitra	Chaitra	Chaitra	Chaitra	Chaitra	
22	ANANYA H S	Ananya HS	Ananya HS	Ananya HS	Ananya HS	Ananya HS	
23	SHREYA V UPADHYAYA	Shreya	Shreya	Shreya	Shreya	Shreya	
24	SAHANA M S	Sahana MS	Sahana MS	Sahana MS	Sahana MS	Sahana MS	
25	JEEVITHA M J	Jeevitha MJ	Jeevitha MJ	Jeevitha MJ	Jeevitha MJ	Jeevitha MJ	
26	CHINMAYI R	Chinmayi R	Chinmayi R	Chinmayi R	Chinmayi R	Chinmayi R	
27	KAVYA HEGDE	Kavya	Kavya	Kavya	Kavya	Kavya	
28	SHREYA	Shreya	Shreya	Shreya	Shreya	Shreya	
29	BHOOMIKA G B	Bhoomika GB	Bhoomika GB	Bhoomika GB	Bhoomika GB	Bhoomika GB	
30	SPOORTHI N M	Spoorthi	Spoorthi	Spoorthi	Spoorthi	Spoorthi	
31	CHITRA L R	Chitra LR	Chitra LR	Chitra LR	Chitra LR	Chitra LR	
32	SINDHU B A	Sindhu BA	Sindhu BA	Sindhu BA	Sindhu BA	Sindhu BA	
33	SAHANA S S	Sahana SS	Sahana SS	Sahana SS	Sahana SS	Sahana SS	
34	PADMASHREE V HEGDE	Padmashree	Padmashree	Padmashree	Padmashree	Padmashree	
35	PALLAVI B. K.	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	
36	NISARGA M D	Nisarga	Nisarga	Nisarga	Nisarga	Nisarga	
37	CHANDANA P	Chandana	Chandana	Chandana	Chandana	Chandana	
38	KAVANA M	Kavana M	Kavana M	Kavana M	Kavana M	Kavana M	
39	SACHITHA B	Sachitha	Sachitha	Sachitha	Sachitha	Sachitha	
40	RADHIKA S B	Radhika	Radhika	Radhika	Radhika	Radhika	
41	JAHNAVI H S	Jahnavi HS	Jahnavi HS	Jahnavi HS	Jahnavi HS	Jahnavi HS	
42	HAMSA K G	Hamsa KG	Hamsa KG	Hamsa KG	Hamsa KG	Hamsa KG	
43	BHUVANA B G	Bhuvana BG	Bhuvana BG	Bhuvana BG	Bhuvana BG	Bhuvana BG	



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 DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
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BRANCH	ARTIFICIAL INTELLIGENCE & MACHINE LEARNING	SECTION	D	SEM	1st
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Sl No	Name of the Student	25-02-2021		26-02-2021		27-02-2021	Remarks
		Session 1	Session 2	Session 1	Session 2	Session 1	
1	NAMAN CHOWHAN CHAUHAN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AB	
2	GAUTAM NAIR	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AB	
3	V SRIKRISHNA DEVARAYUDU <small>spaces</small>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AB	
4	SHREYAS HONNUR	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AB	
5	SHASHANK R CHOWLA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AB	
6	KRUTHIKA K R	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
7	KAVYA P P	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
8	SINCHANA A E	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
9	MEGHANA D Duttaray?	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
10	R MOHAMMED SHIHAB	<i>[Signature]</i>	<i>[Signature]</i>	AB	<i>[Signature]</i>	AB	
11	PRATEEK M HADAGALI	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AB	
12	VEERESH C HUDDAR	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AB	
13	SAMARTH PATIL	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AB	
14	PRATEEKSHA T. H	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
15	NIVEDITHA G D	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
16	B SUFIYAN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AB	



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BRANCH	CIVIL ENGINEERING	SECTION	E	SEM	1st		
SI No	Name of the Student	25-02-2021		26-02-2021		27-02-2021	Remarks
		Session 1	Session 2	Session 1	Session 2	Session 1	
1	RAMYA K S	Ramyas	Ramyas	Ramyas	Ramyas	Ramyas	
2	SOHMYA G HIREMATH	Sohmya	soith	soith	soith	soith	
3	SUMAYYA BHARU B	Sumayya	Sumayya	Sumayya	Sumayya	Sumayya	
4	KAVERI V S	Kaveri V S	Kaveri V S	Kaveri V S	Kaveri V S	Kaveri V S	
5	SAHANA B	S	S	S	S	S	
6	VINAYAKA K BATTIKOPPAD	Vinayaka	Vinayaka	Vinayaka	Vinayaka	Vinayaka	
7	VIKRANTH BANAKAR	Vikranth B	Vikranth B	Vikranth B	Vikranth B	Vikranth B	
8	SHREYA HM	Shreya	Shreya	Shreya	Shreya	Shreya	

S






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BRANCH	ELECTRONICS & COMMUNICATION ENGINEERING	SECTION	F	SEM	1st		
Sl No	Name of the Student	25-02-2021		26-02-2021		27-02-2021	Remarks
		Session 1	Session 2	Session 1	Session 2	Session 1	
1 -	DHANYASHREE A N	Dhanya	Dhanya	Dhanya	Dhanya	Dhanya	
2 -	AMRUTHA U	A. the	A. the	A. the	A. the	A. the	
3 -	SOWMYA M V S [sowmya M.V.S]	Sowmya	Sowmya	Sowmya	Sowmya	Sowmya	
4 -	AMULYA B GAERWAD	Amulya	Amulya	Amulya	Amulya	Amulya	
5 -	JAFAR S	Jafar	Jafar	Jafar	AB	AB	
6 -	LIKHITH G K Likhith.G.K.	Liki	Liki	Liki	Liki	Liki	
7 -	KARTHIK S R	Karthik S.R.	Karthik S.R.	Karthik S.R.	AB	Karthik S.R.	
8 -	GONDKAR P DARSHAN DARSHAN G P	P. Darshan	P. Darshan	P. Darshan	AB	AB	




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BRANCH	ELECTRONICS & COMMUNICATION ENGINEERING	SECTION	G	SEM	1st		
Sl No	Name of the Student	25-02-2021		26-02-2021		27-02-2021	Remarks
		Session 1	Session 2	Session 1	Session 2	Session 1	
1	TRUPTI R C	T.R. Channur	T.R. Channur	T.R. Channur	T.R. Channur	T.R. Channur	
2	NIDHI K R	Nidhi K.R.	Nidhi K.R.	Nidhi K.R.	Nidhi K.R.	Nidhi K.R.	
3	NIHARIKA M	Niharika	Niharika	Niharika	Niharika	Niharika	
4	SUPRIYA R	Supriya R.	Supriya R.	Supriya R.	Supriya R.	Supriya R.	
5	NISHA D S	Nisha, D.S.	Nisha, D.S.	Nisha, D.S.	Nisha, D.S.	Nisha, D.S.	
6	SURAJ MUDHOLE	AB	AB	AB	AB	AB	From Lab
7	MUSTHAQUIM KHAN	Musthaquim	Musthaquim	Musthaquim	Musthaquim	AB	
8	PAVAN KUMAR S P	Pavan	Pavan	Pavan	Pavan	Pavan	
9	MANSI V M	Mansi	Mansi	Mansi	Mansi	Mansi	
10	SAHANA N A	Sahana	Sahana	Sahana	Sahana	Sahana	
11	VASANTH B R	Vasanth	Vasanth	Vasanth	Vasanth	AB	
12	REKHA M	Rekha M.	Rekha M.	Rekha M.	Rekha M.	Rekha M.	
13	MANOJ S PATIL	Manoj S Patil	Manoj S Patil	Manoj S Patil	Manoj S Patil	AB	
14	RAGHUVEER P M	Raghuveer	Raghuveer	Raghuveer	Raghuveer	Raghuveer	

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BRANCH	BIOTECHNOLOGY ENGINEERING	SECTION	H	SEM	1st		
Sl No	Name of the Student	25-02-2021		26-02-2021		27-02-2021	Remarks
		Session 1	Session 2	Session 1	Session 2	Session 1	
1	NAVYA J M	<i>Navya</i>	<i>Navya</i>	<i>Navya</i>	<i>Navya</i>	<i>Navya</i>	
2	JANANI D	<i>Janani</i>	<i>Janani</i>	<i>Janani</i>	<i>Janani</i>	<i>Janani</i>	
3	MEHAK IRUM	<i>Mehak</i>	<i>Mehak</i>	<i>Mehak</i>	<i>Mehak</i>	<i>Mehak</i>	
4	ASMA F.B	<i>Asma</i>	<i>Asma</i>	<i>Asma</i>	<i>Asma</i>	<i>Asma</i>	
5	ANUSHA C U	<i>Anusha</i>	<i>Anusha</i>	<i>Anusha</i>	<i>Anusha</i>	<i>Anusha</i>	
6	MUSAB ANAS	<i>Musab</i>	<i>Musab</i>	<i>Musab</i>	<i>Musab</i>	<i>Musab</i>	
7	KIRAN B	<i>Kiran</i>	<i>Kiran</i>	<i>Kiran</i>	<i>Kiran</i>	<i>Kiran</i>	
8	NAMITHA H N	<i>Namitha</i>	<i>Namitha</i>	<i>Namitha</i>	<i>Namitha</i>	<i>Namitha</i>	
9	TANAYA TIWARI	<i>Tanaya</i>	<i>Tanaya</i>	<i>Tanaya</i>	<i>Tanaya</i>	<i>Tanaya</i>	
10	AKSHAY SHET	<i>Akshay</i>	<i>Akshay</i>	<i>Akshay</i>	<i>Akshay</i>	<i>Akshay</i>	




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BRANCH	MECHANICAL ENGINEERING	SECTION	I	SEM	1st		
Sl No	Name of the Student	25-02-2021		26-02-2021		27-02-2021	Remarks
		Session 1	Session 2	Session 1	Session 2	Session 1	
1	MUNI P	Muni.P	Muni.P	Muni.P	Muni.P	Muni.P	Muni.P
2	AMOGH M G	Amogh M G	Amogh M G	Amogh M G	Amogh M G	Amogh M G	Amogh M G
3	VILAS RAO T	Vilas Rao T	Vilas Rao T	Vilas Rao T	Vilas Rao T	Vilas Rao T	Vilas Rao T



To,
The Principal
GMIT, Davanagere

Date :- 26/02/2021

From,
Manuthi. S T
Asst Professor
Dept of CS&E

Respected Sir,

Sub:- To provide accomodation for resource persons
on 25th, 26th & 27th, February 2021.

As we are arranging a 3-day Hands-on
"Arduino Programming" training for all the 1st year
Students. The resource persons are coming from
Bangalore, Hence we request you to provide the
accomodation & food for the same.

Thanking You



26/02/21

 **FALCON**
Challenging the Limits

Yours Faithfully

Asst
(Manuthi. S T)



Srishyla Educational Trust (R), Bheemasamudra

GM INSTITUTE OF TECHNOLOGY

Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi and Govt. of Karnataka

Post Box No. 4, P. B. Road, Davanagere - 577 006, Karnataka, INDIA, Ph: 08192 - 233345 / 233377 / 252777 / 252560
Fax: 08192 - 233344 Website: www.gmit.info, www.gmit.ac.in, e-mail: info@gmit.info, info@gmit.ac.in,



Date: 27-02-2021

To.

Mr. Aditya
Chief Technology Officer
Tequed Labs, Bangalore.

Sir.

Sub: Thanks giving letter.

It was a great pleasure in having you and your team as Resource persons for the Three day Hands-on Workshop held in our Department on the topic "ARDUINO Programming" from 25th to 27th Feb 2021.

We are thankful to you, expecting the same in our future endeavors.

Thanking you,



FALCON
Chim - ... the Limits

With regards,

Dr. Sanjay Pande M B

Head of the Department
Dept. of Computer Science & Engg
GM Institute of Technology
DAVANAGERE - 577 006.

Tequed Labs

WINNER'S CERTIFICATE

IS PROUDLY PRESENTED TO
— SAMPLE COPY —

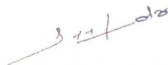
FROM GM INSTITUTE OF TECHNOLOGY, DAVANAGERE
FOR WINNING THE IDEATHON COMPETITION
HELD DURING THE 3 DAYS WORKSHOP ON ARDUINO AND ITS APPLICATIONS
CONDUCTED BY TEQUED LABS, BANGALORE FROM 25TH TO 27TH FEBRUARY 2021



DIRECTOR
TEQUED LABS



CO-ORDINATOR
MR. MARUTHI S T



CONVENER
DR. SANJAY PANDE M B



PRINCIPAL
DR. Y VIJAYA KUMAR





Slrshyala Educational Trust (R), Bheemasamudra
GM INSTITUTE OF TECHNOLOGY, DAVANGERE
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Accredited by NBA, New Delhi (valid up to 30.06.2022)



Report
on
Activities Conducted during
Lockdown 2021

Prepared by:

Mrs. Sandhya R Savanur
Assistant Professor
Dept. of Computer Science and Engineering
G M Institute of Technology, Davangere
Email: sandhyasavanur@gmit.ac.in

Spp/c/b

CONTENTS

1. Activities under Koushalya initiative
2. Webinars attended
3. FDP attended
4. Workshop activity
5. Research activities
6. Industry expert talk

KOUSHALYA

“Industry Ready Students Training Program”

The “**Koushalya – Industry Ready Students Training Program**” was inaugurated on 10th June 2021 in the Department of Computer Science and Engineering. It aims in training the students of Computer science and engineering department in developing industry ready skillsets including,

- Soft skills
- Programming skills
- Improving communication skills
- Solving aptitude problems
- Creative approaches to solving problems
- Reusing and modifying code
- Other technical skills

The first presentation was given on 10th June 2021 on the topic “Introduction to Soft Skills” to explain the importance of soft skills in the corporate world.

In continuation, 2 classes per week are being engaged to address the 2nd and 3rd year students.

Topics covered till date:

1. Introduction to Soft Skills
2. Interpersonal skills
3. Presentation skills

Activities conducted under Koushalya:

1. Students of 2nd and 3rd year were given the task to speak for 3 minutes on any topic of their choice.
2. In the first round, 3 students from each class volunteered for the task.
3. Following the speech, constructive feedback was given to each student.



Invitation

Inauguration of

"Koushalya-Industry Ready Students Training Program"

President : Dr. Y Vijayakumar
Principal, GMIT, Davanagere

Chief Guest : Ms. Pooja Medur
Senior Software Engineer,
CGI Software Company, Bangalore

Convener : Dr. Sanjay Pande M B
Head, Dept. of CSE

Coordinator : Mr. Shivanna K
Assistant Professor, Dept. of CSE

Trainers : 1. All Faculty Members, Dept. of CSE
2. Industry Experts

Date : 10th June 2021 (Thursday)

Time : 10 am

Online platform : Google Meet

Meeting URL : <https://meet.google.com/aon-sfxs-grw>

Target Audience : Second and Third year students

Don't forget to mark your calendar.



Program Details:

- Welcome Speech
- Address by Dr. Y Vijayakumar, Principal, GMIT
- Address by Dr. Sanjay Pande M B, Head, Dept. of CSE
- Address by Mr. Santoshkumar M, Assistant Professor, Dept. of CSE
- Address by Chief Guest
- Introduction about the Training by Shivanna K, Coordinator
- Vote of Thanks

Training Objectives:

- Identify appropriate algorithms, data structures etc in order to solve a problem.
- Apply programming skills as a means of implementing an algorithmic solution.
- Enable students to come up with creative approaches to problems.
- Reuse and modify code.
- Develop skills for analyzing solutions.
- Incorporate feedback from others in order to enhance the quality of the solution.
- Improve communication skills (group discussion, written, presentation, teamwork).
- Enable the students to solve aptitude problems.

Don't forget to mark your calendar:

SOFT SKILLS AND HARD SKILLS

• Soft Skills:

- Set of behaviors and personality traits
- Self-taught and self-developed
- Not specific to an industry or a job
- Complement hard skills
- Communication skills, team work, time management



GM INSTITUTE OF TECHNOLOGY
DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

"KOUSHALYA"
INDUSTRY READY STUDENTS TRAINING PROGRAM

INTRODUCTION TO SOFT SKILL

Sandhya R Savanur
Assistant Professor
Department of Computer Science and Engineering
GM Institute of Technology
Davangere

SOFT SKILLS AND HARD SKILLS

Hard Skills

Teachable abilities or skill sets that are easy to quantify.

vs.

Soft Skills

Also known as "people skills" or "interpersonal skills."

你好吗?

Proficiency in a foreign language



A degree or certificate



Typing speed



Machine operation



Computer programming



Communication

Flexibility

Leadership

Teamwork

Time Management

SOFT SKILLS AND HARD SKILLS

• Hard Skills:

- Teachable and measurable abilities
- Acquired through training, education or other learning-based means
- Programming, reading, certifications etc

COMMUNICATION SKILLS

- Verbal Communication - what we say and how we say it
- Non Verbal Communication – what we communicate without words
- Listening Skills – how we interpret both the verbal and non verbal messages sent by others

SOFT SKILLS

- Communication skills
- Presentation skills
- Language proficiency
- Time management
- Team work
- Problem – solving
- Decision making
- Stress management
- Leadership
- Adaptability
- Planning
- Positive thinking

COMMUNICATION SKILLS

- Types of Verbal Communication
 - Intrapersonal communication
 - Private and restricted to ourselves.
 - Interpersonal communication
 - One-to-one communication
 - Small group communication
 - Small number of people are involved
 - Public communication
 - Individual addresses a large gathering
- Includes written communication

COMMUNICATION SKILLS

Communication is the process of passing information (sending) and understanding (receiving) the same from one person to another through verbal and non verbal means



PRESENTATION SKILLS



COMMUNICATION SKILLS

- Types of Non-Verbal Communication
 - Facial expressions
 - Body movement and postures
 - Gestures
 - Eye contact
 - Tone of the voice

PRESENTATION SKILLS

- Skills required to deliver effective and engaging presentations to a variety of audiences.
- These skills cover
 - Structure of the presentation
 - Design of the slides
 - Tone of your voice
 - Body Language

COMMUNICATION SKILLS

- Types of Listening skills
 - Attentive Listening
 - Responsive Listening
 - Active Listening

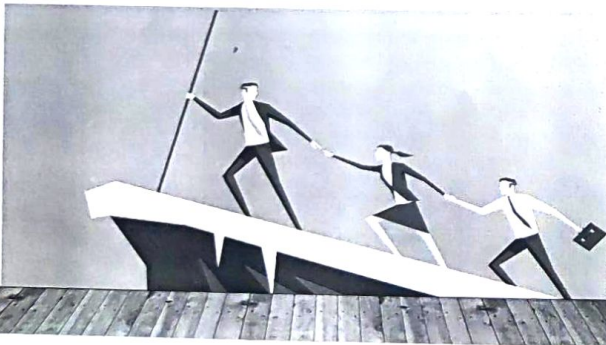
TEAM WORK

- A collaborative effort of a group to complete a task in the most effective and efficient way
- Team work
 - Leads to better productivity
 - Improves quality of work
 - Helps in understanding multiple perspectives
 - Leads to faster and deeper innovation
 - Creates healthy competition
 - Promotes strong working relationships

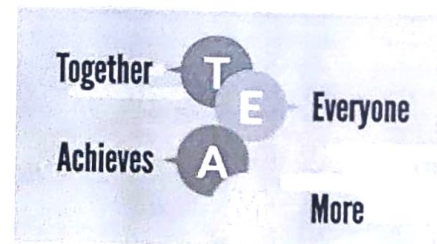
LANGUAGE PROFICIENCY

- It is a measurement of how well an individual has mastered a language
- It is measured in terms of
 - Expressive language skills
 - Receptive language skills
 - Syntax
 - Vocabulary
 - Semantics

LEADERSHIP



TEAM WORK



TIME MANAGEMENT

- Time management is the process of planning and controlling amount of time to be spent on specific activities
- Essential time management techniques
 - Be intentional
 - Be prioritized
 - Be focused
 - Be structured
 - Be self-aware

LEADERSHIP

- Ability of the individual to influence and guide other members of the organization
- Essential leadership skills
 - Self-development
 - Team development
 - Strategic thinking and acting
 - Ethical practice
 - Innovation



ADAPTABILITY

- Being able to rapidly learn new skills and behaviors in response to changing circumstances
- Changing circumstances could be
 - Work environment
 - Technology
 - Team
 - Schedule etc

TIME MANAGEMENT



PROBLEM SOLVING & DECISION MAKING

- Decision making
 - Identify the goal
 - Gather information for weighing your options
 - Consider the consequences
 - Make your decision
 - Evaluate your decision

PROBLEM SOLVING & DECISION MAKING



POSITIVE THINKING

- It is an optimistic attitude.
- It is the practice for focusing on the good in any given situation.
- Positive thinking leads to stress management.

PROBLEM SOLVING & DECISION MAKING

- Problem Solving
 - Identify the problem
 - Define the problem
 - Explore new ideas
 - Implement solution
 - Evaluate



QUESTIONS???



THANK YOU



WEBINARS ATTENDED

1. Attended webinar on “IOT and its Prototypes” conducted by Sumukha Infotech and organized by GMIT.

FDP ATTENDED

1. Participated in Train The Trainer program conducted by Infosys Ltd from 16 June 2021 to 18 June 2021.

WORKSHOP ACTIVITY

1. Co-ordinated conference session in the 2nd International Conference on Emerging Trends in Science, Engineering and Management – 2021, organized by Department of ECE, in association with IFERP

RESEARCH ACTIVITY

1. Completed 6th progress report and doctoral committee meeting on 19th July 2021

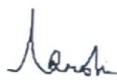
CERTIFICATE OF PARTICIPATION

This certificate is presented to

Prof. Sandhya R Savanur

GM Institute of Technology

for participating in Train The Trainer Program on Java Programming
conducted by Infosys Limited from June 16 - June 18, 2021



Thirumala A
Head - Education, Training & Assessment





GM INSTITUTE OF TECHNOLOGY



Srishyla Educational Trust (R), Bheemasamudra
 Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi and Govt. of Karnataka

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 Fax: 08192 - 233344 Website: www.gmit.info, www.gmit.ac.in, e-mail: info@gmit.info,info@gmit.ac.in,

Date: 16/07/21

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 Training & Placement Head

Convener:
Dr. Praveen J
 IQAC-Director, Professor & Head
 Dept. of ECE, GMT

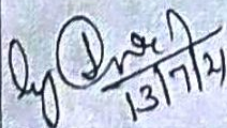
**2nd International Conference On Emerging Trends In Science,
 Engineering And Management-2021
 (ICETSEM-2021)**

**Organized
 by
 Department of Electronics and Communication Engineering**


Appreciation Letter

Mrs. Sandhya R Savanur
 Assistant Professor
 Department of Computer Science and Engineering

ICETSEM-2021 would like to express its sincere appreciation to your tireless and valuable contribution as member of **Session Coordinator**. Your work is highly appreciated.


 13/7/21

Dr. Praveen J
Convener
ICETSEM-2021


Dr. Y. Vijaya Kumar
Principal

INDUSTRY EXPERT TALK

Topic:	How to be Industry Ready
Expert Name:	Mr. Pranesh Jahagirdar
Designation:	Group Project Manager
Company:	Infosys, Mysore
Date:	24 th July 2021
Mode:	Online
Target audience:	2 nd and 3 rd year students with non-placed final year students

Glimpse of the expert talk

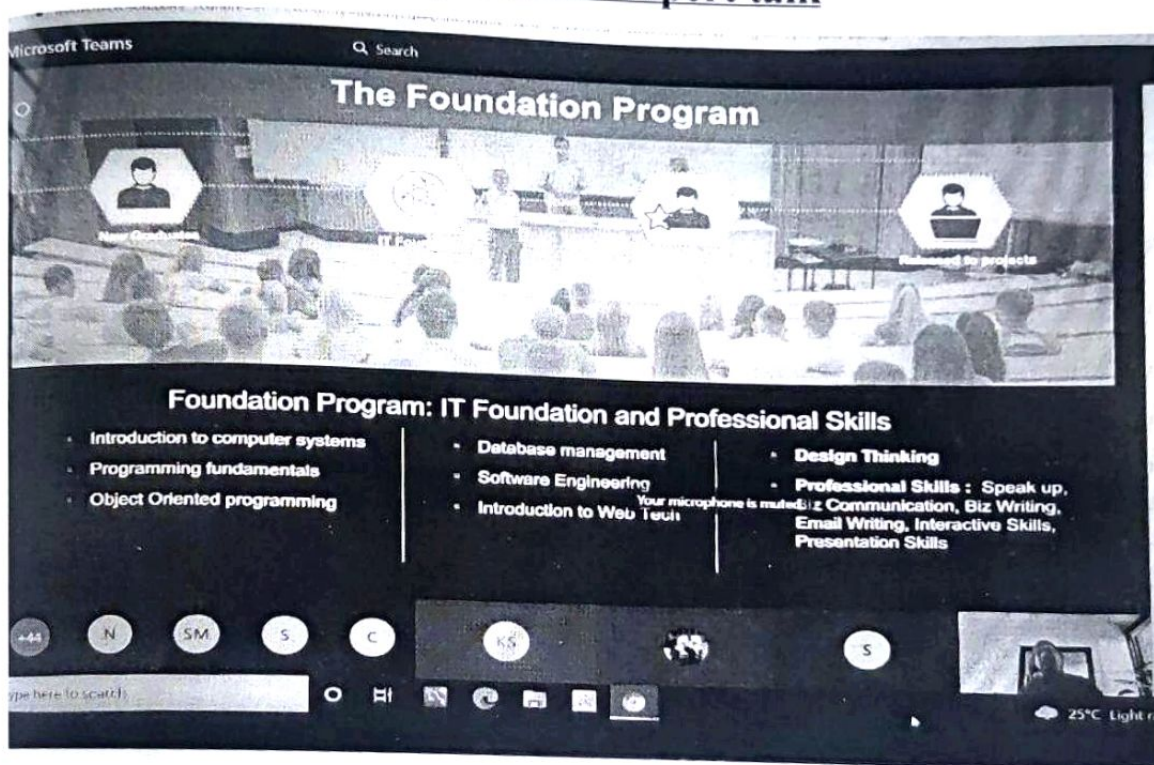


Fig 1: Foundation Program – IT Foundation and Professional Skills

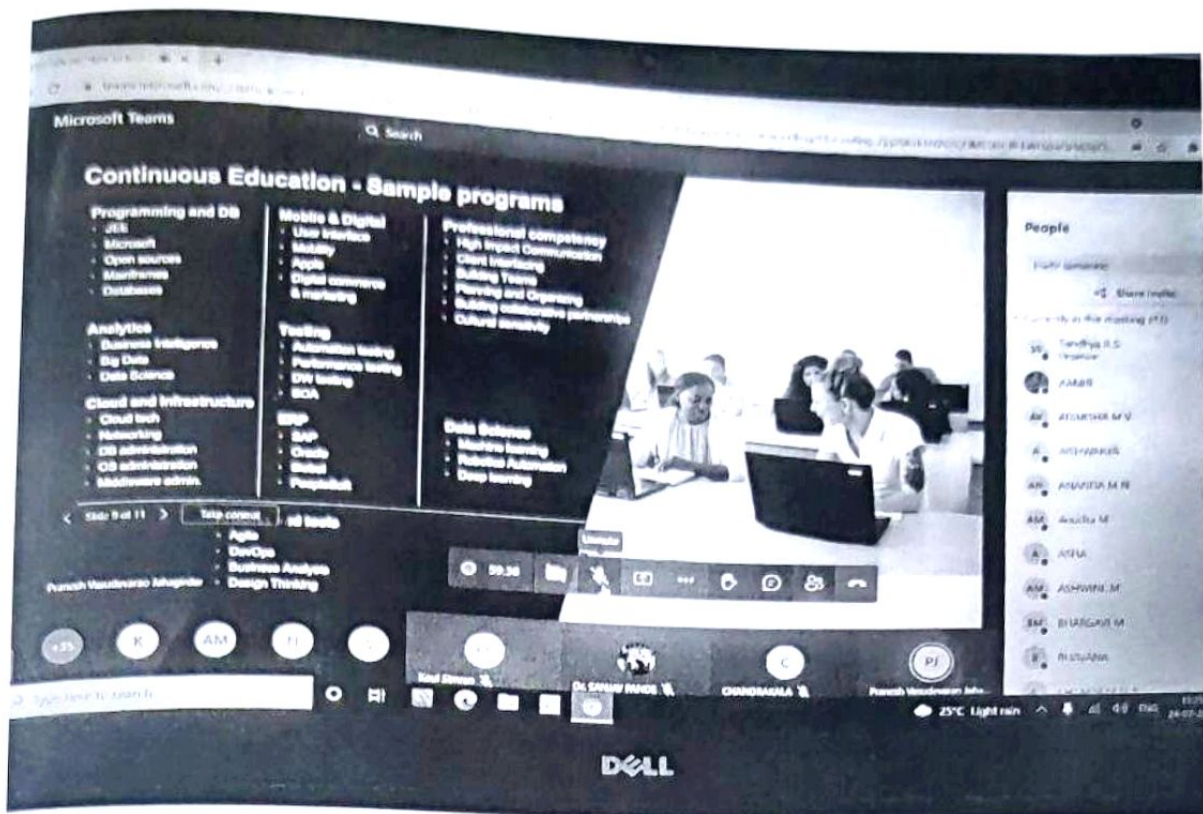


Fig 2: Continuous Education - Sample Programs

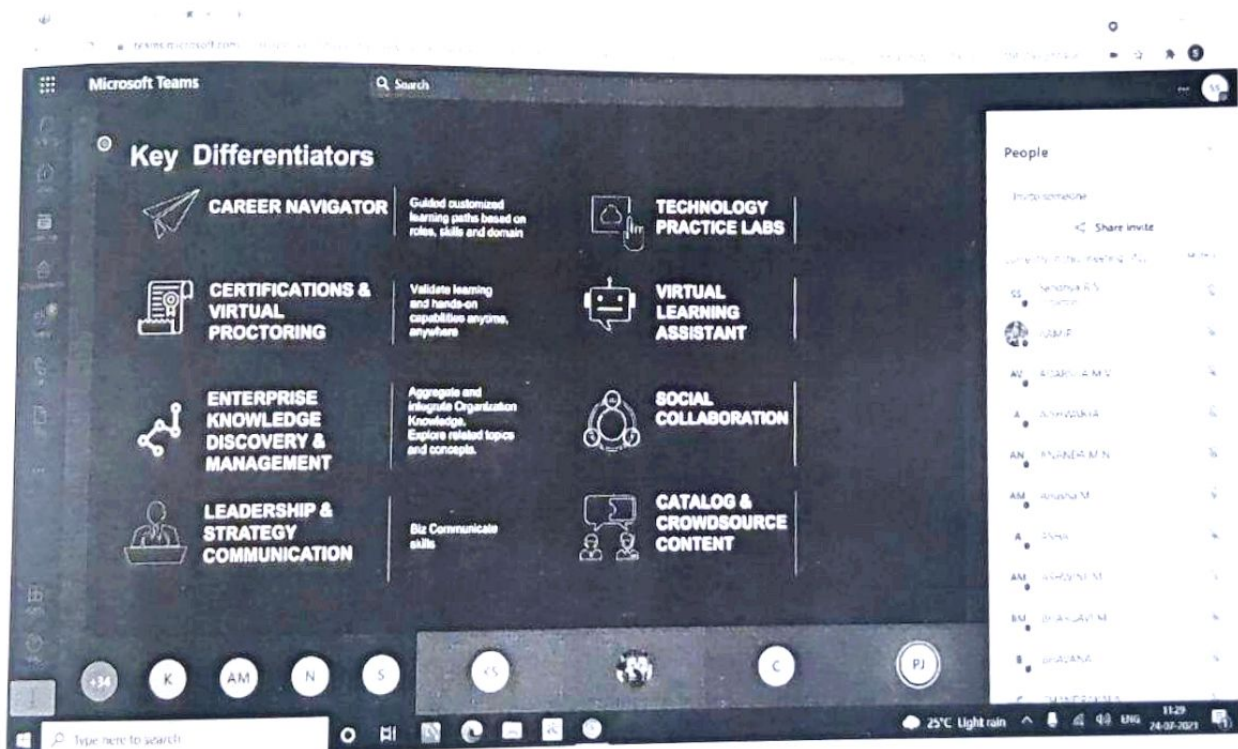


Fig 3: Summary of the Key Differentiators

C Programming for Problem Solving

Semester: I/II

Subject Code: 18CPS13/23

**Module – 1 & 2: Introduction to computer Hardware and software,
Overview of C**

Assignment Questions

1. With neat block diagram explain computer and its components.
2. Explain generations of computer.
3. Explain different types of computer.
4. Explain 2 types of memory.
5. List various Input and Output devices.
6. Define the terms: Network, LAN, WAN and MAN
7. Explain the structure of C program and write example C program to add 2 integers.
8. Explain algorithm and flowchart with example.
9. Define token. List and explain different tokens.
10. Define data type. List different data types available in C.
11. Define constant. Explain different categories of constants.
12. Define identifier. What are the rules for naming an identifier? Give example for valid and invalid identifiers
13. Explain different category of operators in C.
14. Explain the need of precedence and associativity with example.
15. Define precedence & associativity. Evaluate the following expressions
 - i) $x = (a + b) * c / 2$ when $a=4, b=6, c=2$
 - ii) $10! = 10 || 5 < 4 \&\& 8$
16. Explain Conditional branching Statements. a) Simple if b) if else, c) nested if else, d) else if ladder.
17. a) Explain implicit & explicit type conversion with example.
b) Write a C program to compute sum and average of 3 integers
18. Explain Multi-way selection using Switch statement.



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GM INSTITUTE OF TECHNOLOGY, DAVANGERE
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
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Report
on
**Activities Conducted during
Lockdown 2021**

Prepared by:
Mrs. Sushma S G
Assistant Professor
Dept. of Computer Science and Engineering
G M Institute of Technology, Davangere
Email: sushmasg@gmit.ac.in

Contents

1	Published paper on An Android Application for Cloud and Web Based Smart Vehicle Toll Payment System in IJIRCCE ,Volume 9, Issue 6, June 2021
2	Participated in ICETSEM Conference with Paper title Vehicle toll payment system using nfc.
3	Participated as session coordinator in ICETSEM Conference.
4	Webinar Conducted on Understanding Cyber Security
5	FDP Attended on Fundamentals of RPA
6	FDP Attended on Fundamentals of Salesforce developer catalyst
7	Counselling for 8 th sem group 2 students
8	Internship Presentation
9	Technical Paper Presentation
10	Conducted Online Parents meeting for 8 th sem Students
11	IIC Activity Conducted on Prototype/Process Design and Development - Prototyping
12	Webinar attended on IOT and Its prototypes

CERTIFICATE
OF PUBLICATION



**International Journal of Innovative Research in
Computer and Communication Engineering**

(A Monthly Peer Reviewed Journal)

Website: www.ijrcce.com | E-mail: ijrcce@gmail.com

This is hereby Awarding the Certificate to

SUSHMA S G

Assistant Professor, Department of CSE, GAI Institute of Technology, Davangere, India

Published a paper entitled

**An Android Application for Cloud and Web Based Smart Vehicle Toll
Payment System**

in IJRCCE Volume 9, Issue 6, June 2021



e-ISSN: 2320-9801
p-ISSN: 2320-9793



P. Kumar
Editor-in-Chief

Mrs. Sushma S G Assistant Professor Department of Computer Science and Engineering
Published a paper entitled "An Android Application for Cloud and Web based Smart Vehicle
Toll Payment System" in International Journal of Innovative Research in Computer and
Communication Engineering, Volume 9, Issue 6, June 2021.



ICT ACADEMY

CERTIFICATE OF PARTICIPATION

C.No: 021-198009

Date: 25 Jun 2021

SUSHMA S G

GM Institute Of Techonology

has participated in 12 Hours of Faculty Development Program on

Fundamentals of RPA

conducted by ICT Academy on 21 Jun 2021 to 25 Jun 2021



Dr B Anbuthambi
President, ICT Academy



ICT ACADEMY

CERTIFICATE OF PARTICIPATION

C.No: 021-198291

Date: 09 Jul 2021

SUSHMA S G

GM Institute Of Techonology

has participated in 4 Hours of Faculty Development Program on

Salesforce Developer Catalyst

conducted by ICT Academy on 06 Jul 2021 to 09 Jul 2021



In association with



Dr B. Anbuthambi
President, ICT Academy



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WE CORDIALLY INVITE YOU TO
JOIN US LIVE
FOR AN EXCLUSIVE WEBINAR ON

UNDERSTANDING

SECURITY

Vignesh L

14/05/2021



11:30 am



Click here to Join

GOOGLE MEET

BENEFITS OF THIS WEBINAR

Is there a industry that has boomed even during the pandemic? Yes, of course.

Cyber security.

Did you know why the industry suddenly boomed?

1. A majority of the IT workforce is working from home because of the pandemic.
2. When this shift happened the demand for cyber security experts skyrocketed. Companies needed certified experts to protect their sensitive data from hackers.

Now that WFH has been widely adopted permanently, the need for cyber security experts is even higher.

4. Since we have realized this need earlier, you get the first mover's advantage, thereby boosting your growth into senior postings quite easily.

We want you to ride this wave and reach unimaginable heights in your career. That is the sole reason why we came forward with this informative webinar.



Srishyala Educational Trust (R), Bheemasamudra
G.M INSTITUTE OF TECHNOLOGY, DAVANGERE
DEPT. OF COMPUTER SCIENCE AND ENGG
Post-test counseling 2021



NAME OF FACULTY: Sushma S G

SEM: 8th group 2

Meeting link: <https://meet.google.com/btw-uibj-zir>

Co-ordinator : Counselling co-ordinator for higher Semester

Summary of student FEEDBACK :

1. No issues in any of the subjects
2. No MS team Issues

Suggestions

1. Informed students to clear college fees before 2nd IA
2. Informed students to attend the placement drives without fail.

Snap shot

The screenshot shows the 'About this call' page of a Google Meet. It lists the following participants:

People	Information
SAHANA G N	📞 📞 📞
Saleena A B	📞 📞 📞
Sapna Sogi	📞 📞 📞
Sharath M S	📞 📞 📞
Sneha P	📞 📞 📞
Sushma M	📞 📞 📞
T Shruthi	📞 📞 📞
Tejaswini Bandloor	📞 📞 📞
Uma S G	📞 📞 📞
Usha K s	📞 📞 📞
Vinayak hk	📞 📞 📞



PRE TEST COUNSELLING YEAR EVEN SEM 2021 2nd IA

NAME OF FACULTY: **Sushma S G**

SEM: **8**

TIME: **12:45 pm to 1:30 pm**

DATE: **28/06/2021**

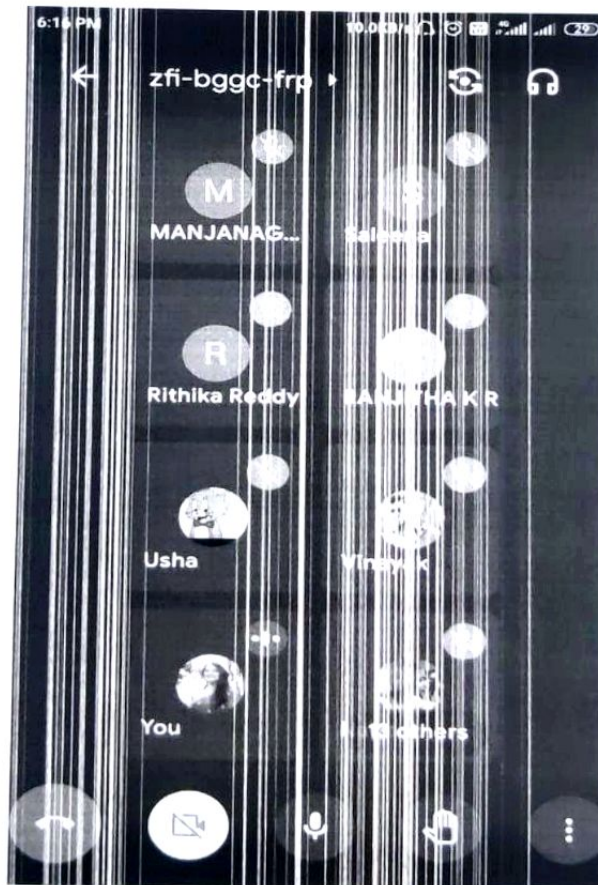
MODE: **Google Meet**

Agenda : Preparation for the Second IA
Class Conduction
Syllabus completion
Preparation for Placement
Fee collection

STUDENTS FEEDBACK :

- Students are very happy with the way online classes conducting by the department
- Students are happy with placements
- Agreed to clear fees

SNAPSHOT





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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
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Program Title: Prototype/Process Design and Development - Prototyping

1. Facebook link: https://www.facebook.com/1057434769841/post_216228340387984/
2. Instagram link: https://www.instagram.com/p/CRY5qY-pvG4/?m=medium_copy_link
3. Number of Students and Faculty Participants: 140
4. Number of external participants: No
5. Remarks: Resource persons Mr. Keshavamurthy heads Prototyping Division of SNAM Alloys Pvt. Ltd., Hosur and also the Vice Chairman of the Indian Institute of Foundrymen – Bangalore presented a talk about the topic “**Prototype/Process Design and Development - Prototyping**”. In this talk, resource persons gave brief idea about how to develop prototype , uses of prototype and another world of prototype.
6. Objective of Event: To make students understand the process of prototyping.
7. Benefit: Prototyping will help students to.
 - ✓ Learn How Prototype is generally used to evaluate a new design to enhance precision by system analysts and users.
 - ✓ How Prototyping serves to provide specifications for a real, working system rather than a theoretical one.

Attachments:

1. Video URL :
https://gmitdvn-my.sharepoint.com/:v:/r/personal/703_gmitdvn_onmicrosoft_com/Documents/Recordings/Workshop%20On%20Prototype_Process%20Design%20Development%20-%20Prototyping-20210717_104919-Meeting%20Recording.mp4?csf=1&v=el=1&e=h0iG4J



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Member of
NASSCOM

Online Parents-Teachers Meeting

Date: 01/07/2021

Time: 6:00 to 7:00 PM

Program Agenda

- Welcome Speech – Mrs **Sushma S G** Asst. Professor
- Speech by **Dr. Y Vijayakumar** Principal GMIT, Davangere
- Interaction with Parents
- Conclude remarks by **Dr. Sanjay Pande M B** Professor and HOD
Dept of Computer Science and Engineering ,GMIT.



Meeting Link:

meet.google.com/bgi-wzem-hqi

Video Link

https://drive.google.com/file/d/19FquV3JL7NUEe1PI5OorOm26jYF64UbZ/view?usp=sharing_eil_dm&ts=60dea6a8

Speech by Principal

Dr. Y Vijayakumar, Principal GMIT, Davangere addressed to the 8th semester students and their parents. Principal sir conveyed the following message

1. Final year examination will be conducted as early as possible
2. Will make easy for the students who wants to go for higher studies
3. Either by July end or August 15th students course work and final examinations might be completed
4. Vaccination drive will be conducted in college and informed all the students to take vaccination from the college.
5. Informed students to come to hostel if necessary for their project work.

Interaction with Parents

Parent1: Namratha Hamsagar Parent's

Felt very happy for my daughter placement

Parent2: Rithika Parent's

All faculties are good, teaching is very good my daughter is placed for 4 companies we are happy thank you so much.

Parent3: Uma Parent's

My daughter placed for 5 companies so very happy for that thank you for all the faculties of department of CS&E.

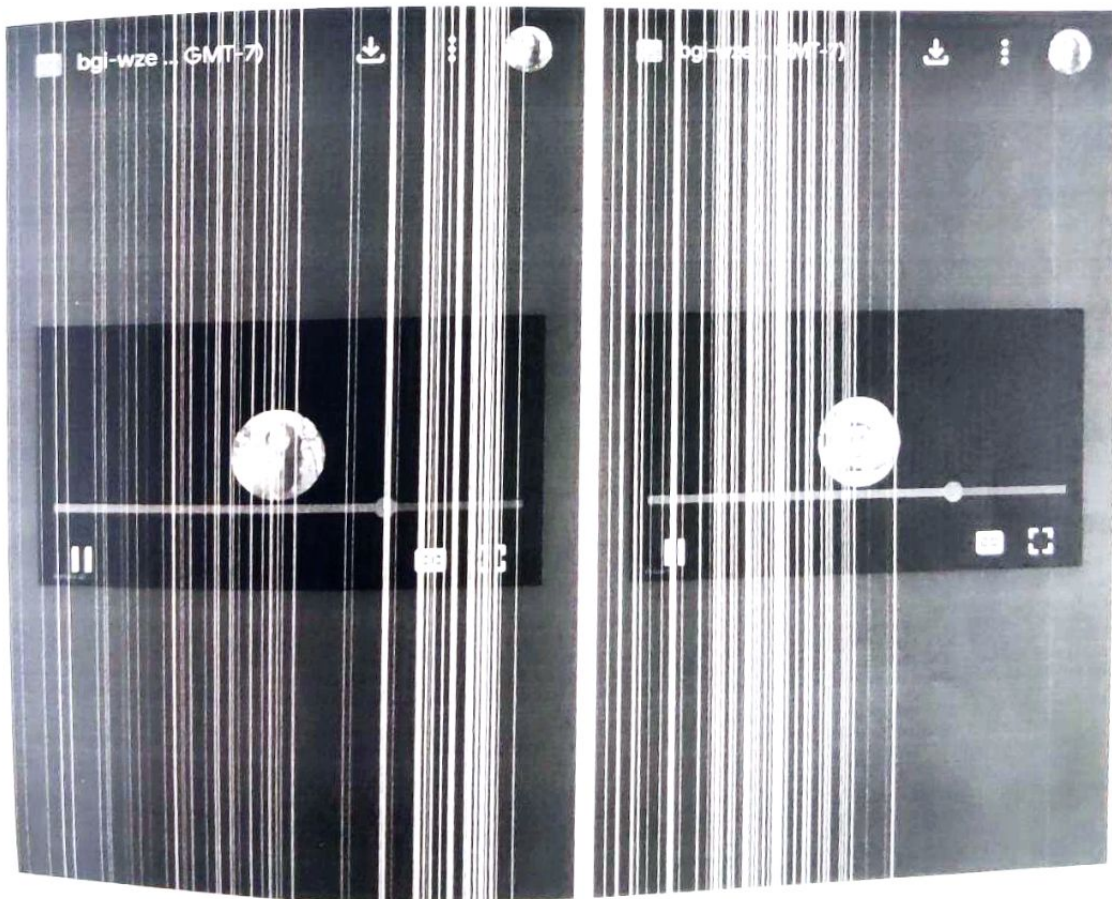
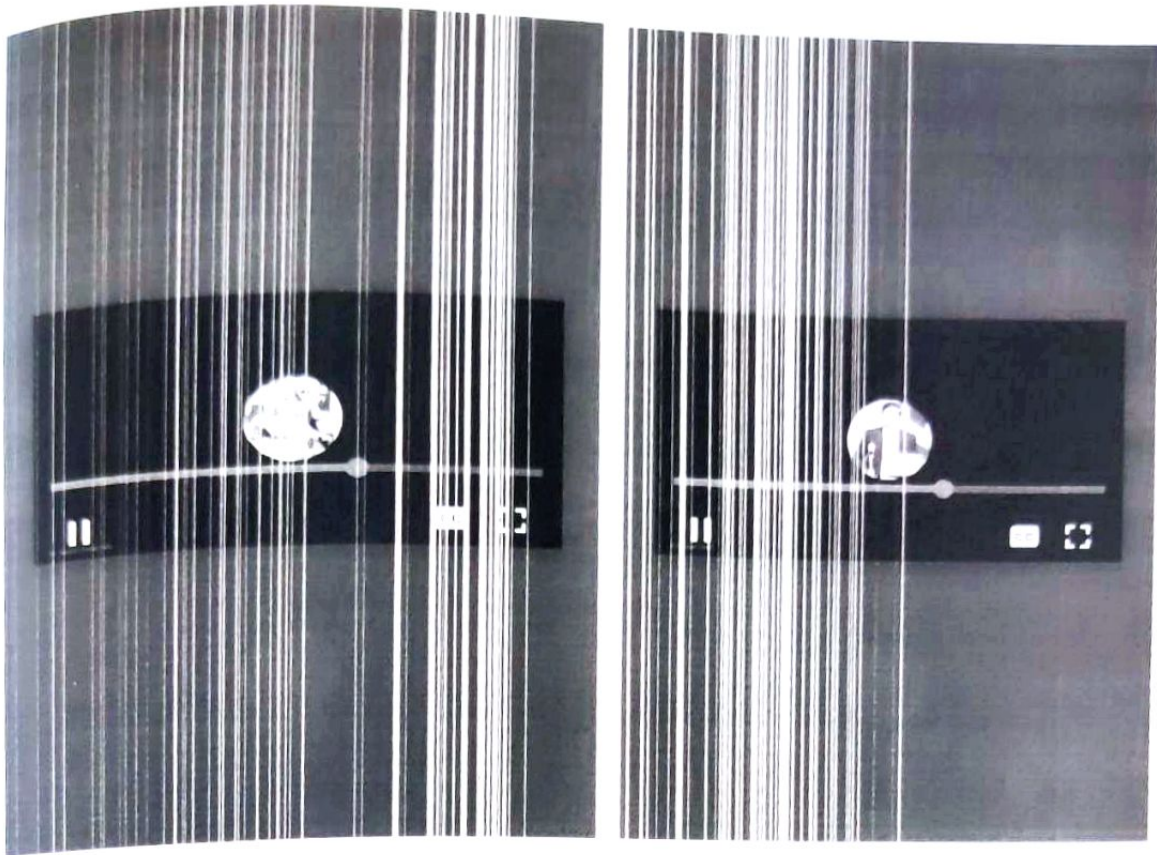
Parent4: Amulya C Jaganath Parent's

All faculties are putting hard work regarding Technical paper presentation of their students even for project work faculties are guiding well thank you so much for all CSE faculties and college for their support.

Parent5: Nagesh Parent's

My son is placed for a company in Bangalore we are very happy for that.

Snapshots





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Dept. of ECE, GMIT

Date: 16/07/21

2nd International Conference On Emerging Trends In Science, Engineering And Management-2021 (ICETSEM-2021)

Organized
by
Department of Electronics and Communication Engineering

Appreciation Letter

Mrs. Sushma S G
Assistant Professor
Department of Computer Science and Engineering

ICETSEM-2021 would like to express its sincere appreciation to your tireless and valuable contribution as member of **Session Coordinator**. Your work is highly appreciated.

Dr. Praveen J
Convener
ICETSEM-2021

Dr. Y. Vijaya Kumar
Principal



CERTIFICATE

OF PRESENTATION



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15th & 16th July 2021 | Virtual Conference


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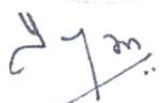
This is to certify that Sushma G of
G M Institute of Technology

presented his/her research
paper titled Vehicle toll payment system using nfc

in the
"2nd International Conference on Emerging Trends in Science, Engineering and Management (ICETSEM-2021)" Organized by
Department of Electronics and Communication Engineering, GM Institute of Technology, Davangere, Karnataka, India held on
15th & 16th July 2021.




Dr. Praveen J
Convener | ICETSEM 2021
IQAC Director
Professor & Head (ECE)
GMIT, Davangere, India


Dr. Y. Vijaya Kumar
Patron | ICETSEM 2021
Principal
GMIT, Davangere, India




Mr. Rudra B. Satpathy
CEO & Founder
Institute For Engineering Research
and Publication (IFERP)



Mrs. Sushma S G Assistant Professor Department of Computer Science and Engineering
Published a paper entitled "An Android Application for Cloud and Web based Smart Vehicle
Toll Payment System" in International Journal of Innovative Research in Computer and
Communication Engineering, Volume 9, Issue 6, June 2021.

An Android Application for Cloud and Web Based Smart Vehicle Toll Payment System

¹Sushma S G, ²Sneha P, ³Akshata C K, ⁴Madhuri B

¹Assistant Professor, Department of CSE, GM Institute of Technology, Davangere, India

²UG Student, Department of CSE, GM Institute of Technology, Davangere, India

³UG Student, Department of CSE, GM Institute of Technology, Davangere, India

⁴UG Student, Department of CSE, GM Institute of Technology, Davangere, India

ABSTRACT: The use of Cloud and WEB applications in the business environment has become the standard. Main reasons are ease of maintenance as well as version release as it's made only on the central server without the need for access to a user's computer. The design and implementation of a cloud-based web application supporting vehicle toll payment system uses NFC (near field communication technology) to exchange the information between the two devices (toll payment). NFC cards holding payment and vehicle details are used for payment at different tolls where the cards have just to be tapped on the NFC enabled devices. This reduces the manual filling of the details and provides faster payment mode thus leading to less vehicle queuing and reducing waiting time of the passengers.

KEYWORDS Cloud Based Systems, Web Application Design, Internet of Things Concept, Vehicle Toll Payment.

I. INTRODUCTION

The use of WEB applications in the business environment has become the standard. Main reasons are ease of maintenance as well as version release as it's made only on the central server without the need for access to a user's computer. In addition, WEB oriented applications are available over the Internet for use in any location and on any kind of small or resource constrained device. Such web applications can be integrated with different other applications, control and management services, and other applications as well, to realize management, monitoring reporting, etc. Usage of WEB based applications is operation system independent which means that usage of a cloud system has the advantage of hosting a specific web application. The cloud systems themselves can be divided into private, public or hybrid. Public cloud systems are provided by other organizations in a manner of renting distinct volumes of system resources, services and storage. A private cloud is considered as an internal data center in an enterprise or a company. From the web application and IoT world perspective, all three types of cloud can be considered for web application development and hosting, depending on the security requirements of the web application and the IoT application domain. In case of a web application, security is on a high level because of the access to a single central server, rather than using large amounts of workstations. Furthermore, the cloud system, either public or private, provides both the applications delivered as services over the Internet as well as the hardware and systems software in the data centers which provide those services. Therefore, moving web applications and corresponding services to the cloud gives more reliability and scalability to the whole system, while simultaneously allowing management and administration from one location.

II. LITERATURE SURVEY

- [1] Drazen Pasalicet. al. Proposed a work "Vehicle toll payment system based on Internet of Things" describes it is completely works only with the use of internet. To enable different physical environment, IOT is used. And also IOT has ability to bring other devices together to form a big network.
- [2] Branimir Cvijic et.al., proposed a paper "Web application supporting vehicle toll payment system" presents Main advantages of web application development are becoming popular by its development features which consists of integration of different technologies.
- [3] Processing, monitoring, and control in cloud based web application of payment process are explained using IOT devices. Satyasrikanth Pet.al, worked on "Automated Toll Collection System Using RFID" comprises Electronic toll payment system is mainly implemented for eliminating a need for motorists and toll admins to manually perform toll payment process. ETC significantly improves an efficiency of tolls and traffic needs of the toll road.



Limitations of related work is Cost of collecting cash from hundreds of toll locations in a city is huge Toll payment system requires more security and manpower in collecting amount, counting cash. Time consumption is more for collecting tax. There are many chances of escaping without doing payment. Then all vehicles which are behind will be queued up.

III. PROBLEM STATEMENT

EXISTING SYSTEM

In the existing system, according to the manual toll collection methodology, a driver has to stop at a charging booth and pay the required fee directly to a collector. The amount to be paid by each vehicle is determined by its characteristics or classification. In the manual toll payment system time consuming and many mischievous things may happen by manpower.

DEMERITS

- The cost of collecting cash from hundreds of fare-collection locations around a city is huge
- It requires security, and a lot of manpower is expended counting coins and reconciling trips with the amount collected

PROBLEM STATEMENT

In the current toll payment methodology, the use of man power is immense. The manual payment leads to various issues like queuing of vehicles, traffic jams, more time consumption etc. A driver has to stop at a charging booth and pay the required fee to a collector. Collecting the money, calculating the change, writing the required information of the vehicles and billing leads to a large waiting time and sometimes create issues for the travellers by reducing the manual intervention in the payment system, the time constraint can be overcome to provide a more efficient way of toll payment

OBJECTIVE

- To develop a efficient Toll Payment system using NFC (Near Field Communication) Technique.

PROPOSED SYSTEM

We propose a concept, design and implementation of a cloud-based web application used for vehicle toll payment. The design and implementation model implies usage of an NFC device which initiates vehicle toll payments request calling web application's web service functions. Further, the web Application realizes the user (driver) desired toll payment over an electronic payment system. The web application itself is developed to be hosted on a server directly or on a virtual machine using virtualization technology on the physical server.

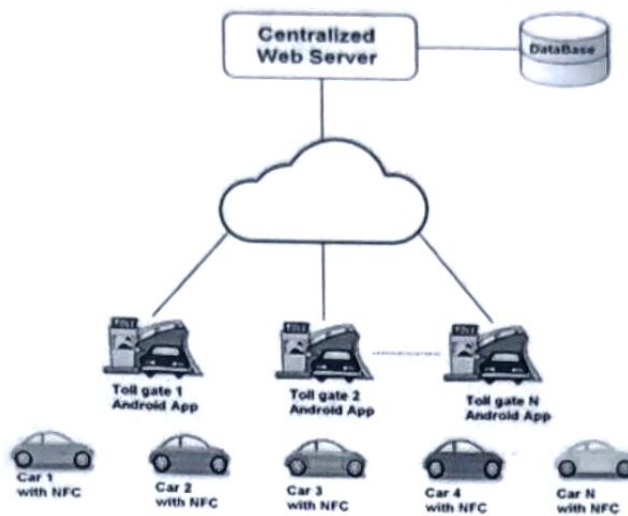
ADVANTAGES

- More efficient way of payment than existing method.
- Admin can track of the payment made by the different user along with vehicle owner details.
- Secure way of payment as it uses peer to peer connection.

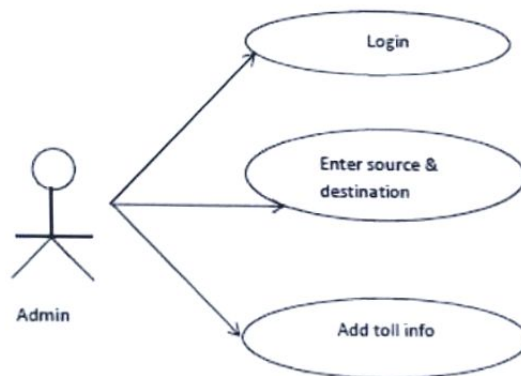
IV. SYSTEM DESIGN

System design can be explained by using any or all of the following methods:

System Architecture



USE CASE FOR ADMIN



USE CASE	DESCRIPTION
Login	The admin logs in to start his/her work.
Enter source & destination	The admin specifies the source and destination.
Add toll info	The admin enters the toll information like no of tolls, toll names, toll tax for different vehicle types etc.

USE CASE	DESCRIPTION
Read NFC tag	The toll user reads the data of the NFC tag using a NFC device and deducts the amount.
Scan for the vehicle no	OCR scanners are used to scan the vehicle no and deduct the amount.

IV. IMPLEMENTATION

There are three modules. Each of them has specific privileges.

Toll Collector:

- o Can login to the portal using valid credentials.
- o Can verify the traveller.
- o Can manually recharge the user toll account.
- o Can deduct the Toll fee.

Toll Payer (Traveller):

- o Can register by filling the details in the online form.
- o Can login by entering the valid credentials.
- o Can select type of vehicle and journey points to compute the total toll fee and pay it too.

Admin

- o Can login to the portal using valid credentials.
- o Can verify the traveller and vehicle Information.
- o Can Approve / Discard the Users.
- o Can issue Smart Cards.

When the vehicle owner taps the card to android toll application, first encrypted data is converted into original data with key .All card details will be displayed .card number ,vehicle detail and tollgate details will be send to web server ,web server Web Server Receives the Card No and fetch the Vehicle Record and its Balance (Y), if Card no is miss match then stop Fetch the Fare details from Toll Gate table Based on Vehicle type fetch the amount (X) from toll fare details If insufficient balance and stop the process to be continued. After successful payment update B in vehicle record. Send Transaction Success Message to Android App. Display Success Message in Android Model, View and Controller (MVC) Architecture. The Application is implemented in form of MVC architecture.MVC stands for Model View and Controller. It is a design pattern that separates the business logic, presentation logic and data.

- 1.Controller acts as an interface between View and Model. Controller intercepts all the incoming requests.
2. Model represents the state of the application i.e. data. It can also have business logic.
3. View represents the presentation i.e. UI (User Interface).

V.CONCLUSION

The web application is developed to support integration into the cloud or an enterprise system. As in the vehicle toll payment application the number of devices can be enormous, the scalability of the application is supported and represents a vital role. Besides the fact that this system is easy to use for travellers as well as for companies engaged in the highway management, advantages of such system could be multiple in other segments of service as well. The information contained in the database can be used to easily create reports about the number of vehicles and the category of vehicles that pass through the system of payment per day. In addition, it can be easy at any time to retrieve the data on the amount of money that is on daily or any other period paid at the cash register. This approach opens multiple possibilities because additional benefits in systems with toll can be introduced. New possibilities can exist in the form

of loyalty program for travellers who frequently use certain segments of the road, in order to attract as many passengers to use precisely this route. These programs may provide discounts on tolls, free refreshments at rest stops along the road, integrate with other products (e.g. vacations, traveling agencies) in order to use specific routes with such kind of payment, etc. Apart from paying tolls system, such a system could be applicable to many other systems, such as systems for parking payment, parking garage payment, or any transaction involving some of IoT devices that can communicate with the central system.

REFERENCES

- [1] <http://www.nhai.org>
- [2] N. Gabriel, I. Mitraszewska, K. Tomasz, "The Polish Pilot Project of Automatic Toll Collection System", *Proceedings of the 6th International Scientific Conference TRANSBALTICA*, 2009.
- [3] D.D.E. Crispin, U.M. Aileen, G.S. Ricardo, J.M Jim, S.P. Hilario, "Allocation of electronic Toll Collection Lanes in Toll Plazas Considering Social Optimization of Service Times and Delays", *Proceedings of the Eastern Asia Soci*
- [4] http://en.wikipedia.org/wiki/Toll_road
- [5] http://en.wikipedia.org/wiki/Near-Field_Communication

Photograph:

A session on
**Angel Investment/VC Funding
Opportunity for Early
Stage Entrepreneurs**

03rd Aug 2021

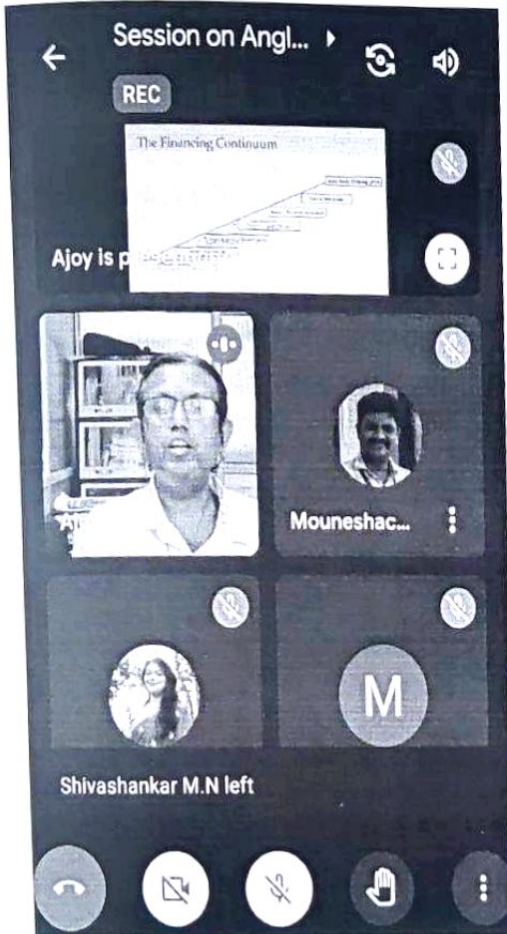
11.00 AM



PROF. M AJAY KUMAR
Associate Professor
Post Graduate Department
of Management Studies and
Research Centre,
Siddaganga Institute of Technology
(SIT), Tumakuru.



<https://meet.google.com/oze-pdvn-esw>





Srishyala Educational Trust (R), Bheemasamudra
GM INSTITUTE OF TECHNOLOGY, DAVANGERE
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
(Accredited by NBA , New Delhi (valid up to 30.06.2022))



Program Title: Angle investment/VC funding opportunity For early stage entrepreneurs

1. Facebook link: <https://www.facebook.com/105743114769841/posts/227392625938222/>
2. Instagram link: https://www.instagram.com/p/CSGdxQfBWEq/?utm_medium=copy_link
3. Number of Students and Faculty Participants: 40
4. Number of external participants: No
5. Remarks: Resource persons Prof. Ajoy Kumar Associate Prpfessor at the post graduate Department of Management studies and Research Center SIT Tumkur, presented a talk about the topic ” **Angle investment/VC funding opportunity For early stage entrepreneurs**”. In this talk, resource persons gave a brief idea about how angle investment and venture capital funding helps to start own business and benefits of VC funding.
6. Objective of Event: To create awareness among the students to become entrepreneurs and understand benefits of funding to start such.
7. Benefit: From this students will understand
 - ✓ Benefits of Angle investment /VC funding.
 - ✓ Get inspired to become entrepreneurs.
 - ✓ Will learn procedure to get funds.

Attachments:

1. Video URL :
<https://drive.google.com/file/d/1tj6oKB52Q762u7D4SsGvhYDpDmtkiLKf/view?usp=sharing>



Program Title: Prototype/Process Design and Development - Prototyping

1. Facebook link: <https://www.facebook.com/1057434769841/posts/216228340387984/>
2. Instagram link: https://www.instagram.com/p/CRYFqYqt9wG/?utm_medium=copy_link
3. Number of Students and Faculty Participants: 140
4. Number of external participants: No
5. Remarks: Resource persons Mr. Keshavamurthy heads Prototyping Division of SNAM Alloys Pvt. Ltd., Hosur and also the Vice Chairman of the Indian Institute of Foundrymen – Bangalore presented a talk about the topic “**Prototype/Process Design and Development - Prototyping**”. In this talk, resource persons gave brief idea about how to develop prototype , uses of prototype and another world of prototype.
6. Objective of Event: To make students understand the process of prototyping.
7. Benefit: Prototyping will help students to.
 - ✓ Learn How Prototype is generally used to evaluate a new design to enhance precision by system analysts and users.
 - ✓ How Prototyping serves to provide specifications for a real, working system rather than a theoretical one.

Attachments:

1. Video URL :
https://gmitdvn-my.sharepoint.com/:v:/r/personal/703_gmitdvn_onmicrosoft_com/Documents/Recordings/Workshop%20On%20Prototype_Process%20Design%20Development%20-%20Prototyping-20210717_104919-Meeting%20Recording.mp4?csf=1&web=1&e=h0iG4J

2. Photograph:

A webinar on
**Prototype/Process
Design and Development
- Prototyping**

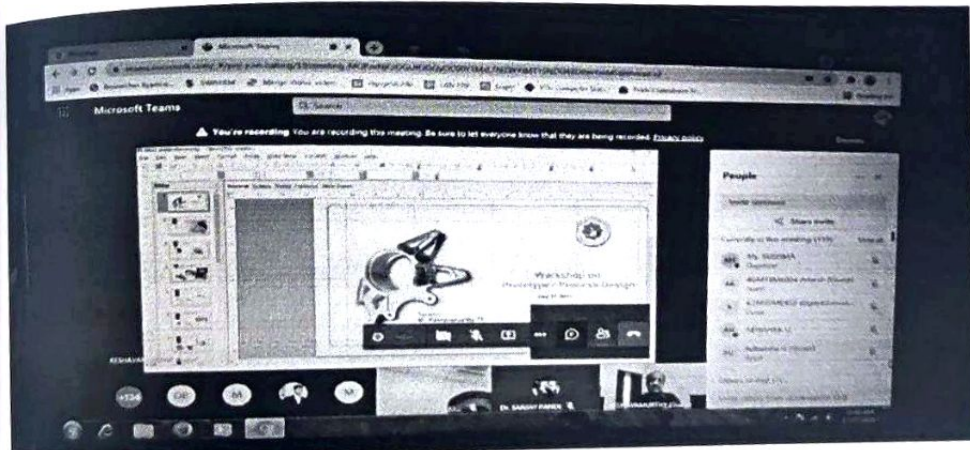
17th July 2021 ▶ 10.30 AM



Mr. Keshavamurthy
Head, Prototyping Division
SNAM Alloys Pvt. Ltd., Hosur
and
Vice Chairman,
Indian Institute of Foundrymen,
Bangalore



<https://myurl.com/diaxmzt7>





Slrshyla Educational Trust (R), Bheemasamudra

GM INSTITUTE OF TECHNOLOGY, DAVANGERE-06

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Accredited by NBA, NEW DELHI- Valid till 30-06-2022)



Activity Report

2020-21

Prepared by:

Mr. Rudresh N C

Asst. Professor, Dept. of CS&E

GMIT, Davangere-06

Email: Rudreshnc@gmit.ac.in



Slrshyla Educational Trust (R), Bheemasamudra

GM INSTITUTE OF TECHNOLOGY, DAVANGERE-06

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Accredited by NBA, NEW DELHI- Valid till 22-06-2022)



Activity Report

8

Activity: Role Play
On
"Control Statements in C"

Date of Conduction: 12-03-2021

Beneficiary: 1st semester ECE students

Coordinator: Mr. Rudresh N C
Asst. Professor
Dept. of CS&E
GMIT, Davangere-06



Date: 12-03-2021

Conducted a Role Play
On
"Control Statements in C"



Role play has been conducted for the 1st semester students of Electronics and communication engineering on 12-03-2021, with respect to this activity first we created the groups of each consists 4 members and allotted the different control statements to the each group for role play in that each group must prepare a poster on respective control statement of C and need to give presentation on the stage in front of all students of the class.

In above sample photos 2 different group of students are doing role play on "Do-While" and "Switch" statements.



In above photos 2 groups of students doing role play on “for-statement” and “simple-if”. Similarly all 11 groups of students present their own control statements, at the end of the session collected the feedback about the activity and also students are shared their opinions about the activity. Similarly other groups are done on different control statements namely “Nesting-If”, Else-If”, “While” and so on.

- 1) Dhanush. S.S
- 1) Harsha. M
- 2) Indraj. N
- 1) Srujan. L
- 1) Kumar Varun.

1 group
 Nesting
 if
 - else

Jafar S
 Dhananjay.
 MD. Gouse

- 1) Abhishek. H.S
- 1) Abhishek. N.
- 1) Kallish. C.A
- 1) Karthik. K.S
- 1) Karthik. KV

2 group
 if
 else
 if
 ladder

- 1) Ajay C.C
- 1) Devoraj. NM
- 1) Halesh Kumar Kg
- 1) Kisan Kumar GH
- 1) Likith. NS

3 group
 Switch statement

- 1) Dhanesh. S.
- 1) Basavaraj. S.A
- 1) Likith. G.K.
- 1) Darshan. M
- 1) Abhinandan. K

4 group
 while - statement

- 1) Gondkar. P. Darshan.
- 1) Basavaraj. S.K
- 1) Harikaishna. P.R
- 1) Chirag. S. Parwal
- 1) Karthik. S.R

5 group
 Do-while
 Statement

Ist group

- Bhavana. B
- Jyotsna. M.S
- Divya. B.K
- Indumathi
- Adviya Khansa

For - Statement

IInd group

- Ashritha. S
- Kripa. S.K
- Ankitha. M
- Chandana
- Chaithra

Switch - Statement

IIIrd group

- Kavya. H
- Anusha. M.B
- Lavanya. S.P
- Bhavana. T
- Aishwarya. M.

Else - if statement

IV group

- J.R. Deepthi Patel.
- Anubru S
- Ananyaviri S.
- Keeethana

Function - default

Amulya B Garkwad -
~~Deepika~~ K S
Anusha R B
dishwariya N

Simple if
Statement

(1)

but it

long it.
Deepthi Patel

Sowmya MWS

Amrutha U

~~Dhanyashree~~ A N

Amulya T M

if-else statement

(2)

in role

~~F~~

~~finish~~
play, But later

~~the~~

in manner
Prashant
out basic

Students Feedback

Role play helped to get rid of stage fear.

Initially role play was a new thing for us but it helped in good understanding of topics.

It increased team bonding while representing it.

— J.R. Deepthi Patel

7. It increased our interactions and decreased stage fear

8. Programs are completely understood after this role play now I can execute all the programs easily

9. It improved my communication skills. — Arif

10. It improves our skill

11. It decreases our stage fear

12. It helps to increase our confidence Pruthi

13. Initially we didn't have any idea about role play. But later on we came to know about role play.

It helped to decrease stage fear. — Indunath

14. We have experienced the programs in the practical manner

15. It improved our practical knowledge about basic C programs. P. Dnyanesh

Devraj N.M.

1. IT'S GOOD ACTIVITY, IT'S HELPFULL TO AVOID STAGEFEAR AND TO INCREASE CONFIDENCE IN US, WE LEARNT HOW TO DO ~~IN~~ CREATIVE MODELS, IDEAS, THOUGHTS ABOUT ACTIVITY. BY MAKING GROUPS, WE LEARNT GROUP MAINTAINING LEADERSHIP QUALITY, AND SHARING OF IDEAS FROM ONE FRIEND TO ANOTHER FRIEND.


A.H.U.
Sanaya

2. It's a good experience for us. From this role play we have buildup some knowledge and skills about it, it helps to avoid stage fear. We understood the programme completely by seeing this role play. It increased the team bonding

Pampika A
Anshu R.B



[co-ordinator]
Mr. Rudresh N.C



Dr. Sanjay Pande M.B



Slshyla Educational Trust (R), Bheemasamudra

GM INSTITUTE OF TECHNOLOGY, DAVANGERE-06

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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Activity Report (9)

Activity: Webinar
On
“IOT and Its Prototypes”

Date of Conduction: 28-05-2021

Beneficiary: 6th and 8th semester students of CSE

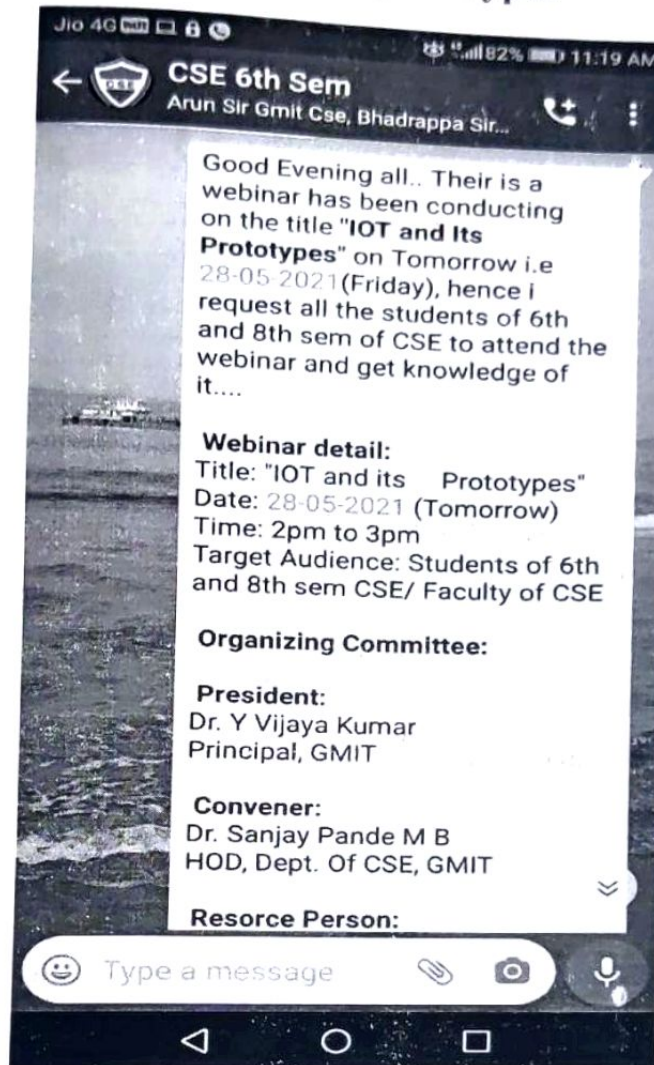
Coordinator: Mr. Rudresh N C
Asst. Professor
Dept. of CS&E
GMIT, Davangere-06



Conducted a Webinar on

Date: 28-05-2021

“IOT and Its prototypes”



Invitation of Webinar

Activity: Webinar on “IOT and Its Prototypes”

Resource person: Mr. Karibasavaraju

Director

Sumukha Infotech.

Davangere-04

Coordinator: Mr. Rudresh N C

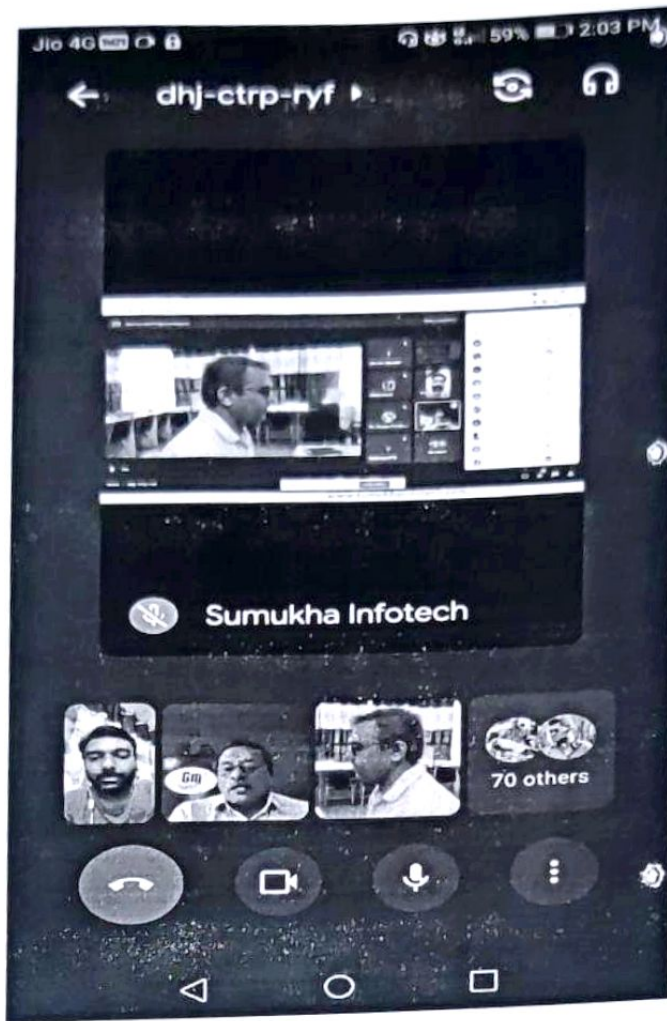
Asst. Professor, Dept. of CSE, GMIT



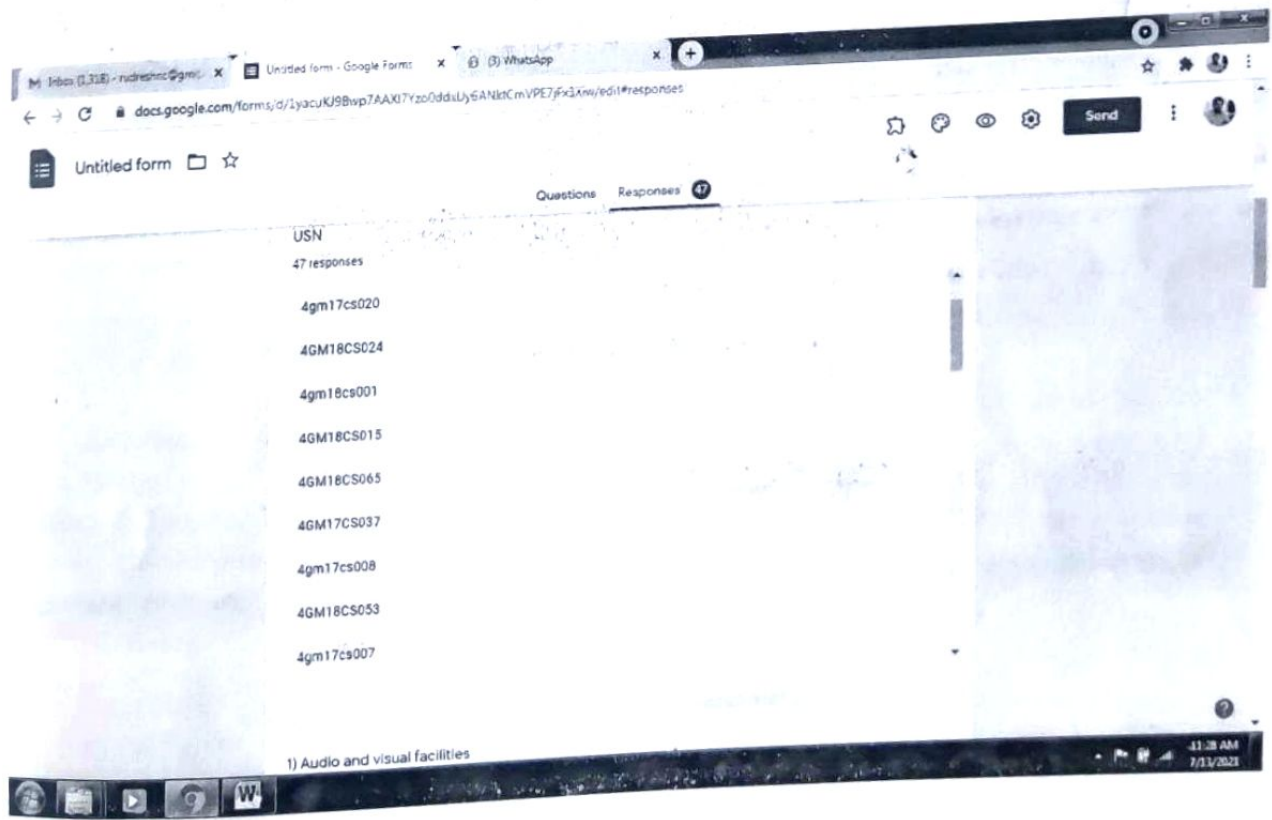
Interaction between Resource person and the Principal

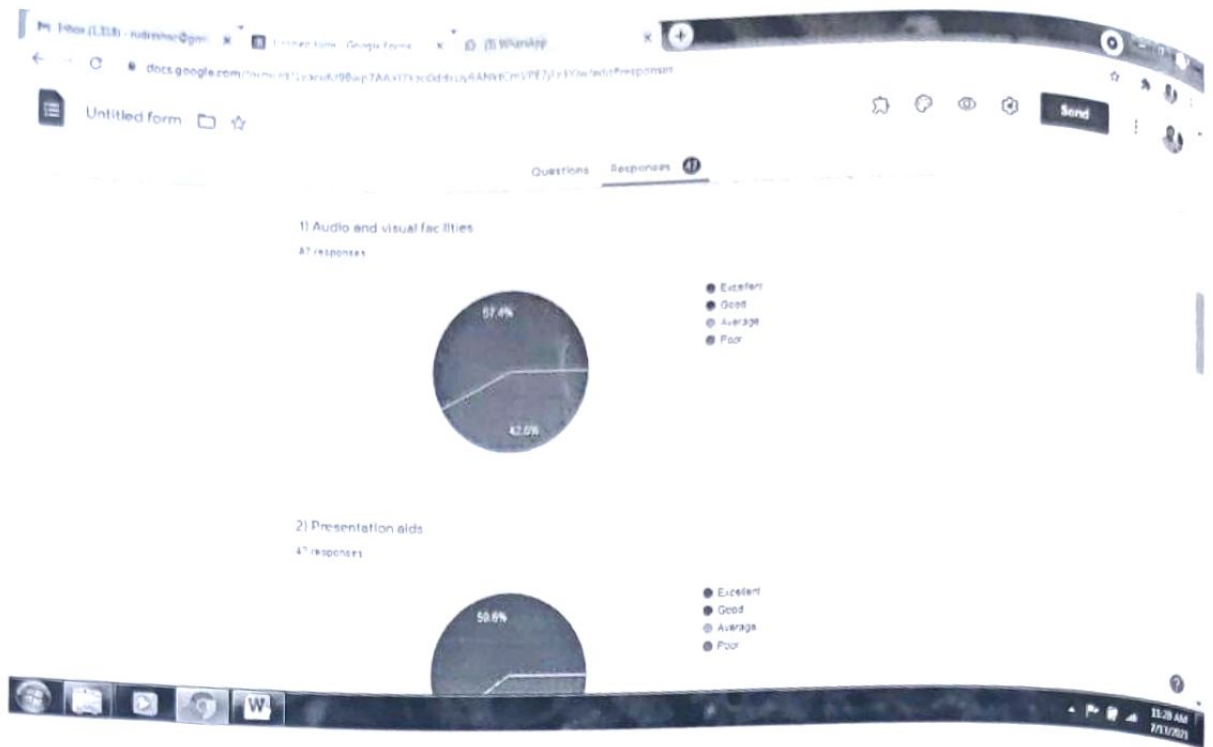
Mr. Rudresh N C, Asst. Professor, Dept. of CSE, has organized a webinar on "IOT and its Prototypes" as an forum activity on 28-5-2021 (Friday), Speaker Mr. Karibasavaraju, Director- Sumukha Infotech, Davangere has briefed about the current trends on IOT and its benefits also shared knowledge on different sensors and its applications by executing simple programs using ESP-32 development board. Also he explained simple example programs for finding soil moisture using required hardware and software's. Students of 6th and 8th semesters were attended the webinar and taken benefits. Presidential speech was given by beloved principal Dr. Y vijay Kumar, and professor and head Dr. Sanjay pande M B was addressed and motivated the students by sharing his knowledge and applications of IOT.

Finally, the webinar is concluded by vote of thanks and the feedback from the participants.





Around 70 members are participated





Feedback given by the students at the end of the webinar (Sample copy)


Coordinator
Mr. Rudresh N C


HOD
(Dept. of CSE)



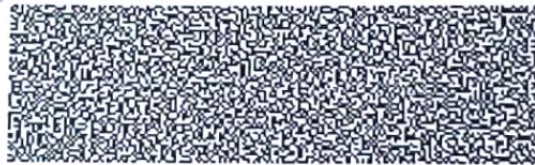
10

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Government of Karnataka

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Certificate Issued Date : 01-Sep-2020 12:43 PM
Account Reference : NONACC (FI)/ kaksfcl08/ DAVANGERE5/ KA-DV
Unique Doc. Reference : SUBIN-KAKAKSFCL0823998594639731S
Purchased by : SUMUKHA INFOTECH
Description of Document : Article 12 Bond
Description : AGREEMENT
Consideration Price (Rs.) : 0
(Zero)
First Party : SUMUKHA INFOTECH
Second Party : GM INSTITUTE OF TECHNOLOGY DAVANGERE
Stamp Duty Paid By : SUMUKHA INFOTECH
Stamp Duty Amount(Rs.) : 200
(Two Hundred only)



Please write or type below this line

MEMORANDUM OF UNDERSTANDING/ AGREEMENT

This Memorandum of Understanding (MoU) is between **Sumukha Infotech** located at C/3, 2nd Main, Vidyanagar, Near Coffee Day, Davangerer-05, Karnataka and **Department of Computer Science & Engineering, GM Institute of Technology**, located at PB Road, Near DC Office, Post Box-04, Davanagere-577006 (hereinafter referred to as "Dept. of CSE, GMIT") *For providing Academic Projects, Internship, Workshops, Industrial visits and Placement opportunities for GMIT students.*

Statutory Alert:

- 1 The authenticity of this Stamp Certificate should be verified at "www.shcilestamp.com". Any discrepancy in the details on this Certificate and as available on the website renders it invalid.
- 2 The onus of checking the legitimacy is on the users of the certificate
- 3 In case of any discrepancy please inform the Competent Authority



Objectives of MoU

The objectives of this MOU areas follows

- i. Joint educational programs for students(UG & PG) of GMIT and hosting Technology Development Programmes involving Faculty and Students in the area of System support Services.
- ii. Organizing workshops/Seminars on emerging and innovative technologies for both faculty and the students.
- iii. DEPT. OF CSE, GMIT, under guidance of **Sumukha Infotech** experts, and in consonance with the experts from VTU, shall develop Curriculum and Courseware on the next generation technologies to increase the career opportunities for the students.
- iv. Creating leaders and specialists for the fast growing service industries.
- v. Providing utmost support to **Sumukha Infotech** in nurturing and acquiring the top talents of GMIT, as and when required.
- vi. Providing industrial visit and internship opportunities for CSE students of GMIT.

1. **BENEFITS TO THE PARTIES** By participating in the Program, the parties will work to achieve the following benefits:

1.1 Benefits for DEPT. OF CSE, GMIT

- 1.1.1 Students will get the benefit of internship opportunities and Industrial visits.
- 1.1.2 In association with **Sumukha Infotech**, DEPT. OF CSE, GMIT can conduct/Organize workshops and Seminars for faculty and the students.
- 1.1.3 Opportunity for the faculty and students to get industrial exposure and experience the advanced technologydevelopment in the industry..
- 1.1.4 Opportunity for development of curriculum in the next generate Technologies jointly with the industry.
- 1.1.5 Opportunity for students to avail **Sumukha Infotech** certifications and participate in the **Sumukha Infotech** organized contests.
- 1.1.6 Opportunity for the GMIT to organize National and international conferences with the support of the industry.
- 1.1.7 Opportunity for the students of GMIT to secure career of their choice in the leading organization in the industry.

1.2 Benefits to Sumukha Infotech

- 1.2.1 Introduction of class curriculum in the next generation technologies that are aligned to the values and needs of **Sumukha Infotech**.
- 1.2.2 Pool of students conversant with **Sumukha Infotech** products and technologies.
- 1.2.3 Organizing National and international academic conferences around the areas of **Sumukha Infotech** and business focus.
- 1.2.4 Opportunity to nurture and acquire the top talents of GMIT.

2. RELATIONSHIP BETWEEN THE PARTIES

- 2.1 The relationship between the parties shall be that of a mutually benefiting academic relationship and shall not be commercial in nature.



Srishyla Educational Trust (R), Bheemasamudra

GM INSTITUTE OF TECHNOLOGY

Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi and Govt. of Karnataka
Post Box No. 4, P. B. Road, Davanagere - 577 006, Karnataka, INDIA, Ph: 08192 - 233345 / 233377 / 252777 / 252560
Fax: 08192 - 233344 Website: www.gmit.info, www.gmit.ac.in, e-mail: info@gmit.info, info@gmit.ac.in,



with B++ Grade

3. MONITORING OF IMPLEMENTATION

A co-ordination Committee consisting of one faculty member of DEPT. OF CSE, GMIT nominated by the head of the Institution in consultation with the concerned HOD and one officer nominated by Sumukha Infotech will coordinate in planning and monitoring the implementation of the various aspects of this MoU.

Contact Information

Partner:



Sumukha Infotech
C/3, 2nd Main, Vidyanagar,
Near Coffee Day, Davangere-05,
Karnataka.



GM Institute of Technology,
PB Road, Near DC Office, Post Box-04,
Davanagere-577006.

K. b. [Signature] 05/09/20
Date:
(Partner signature)

[Signature] 5/9/20
Date:
(Signature)

PRINCIPAL
GM Institute of Technolog.
Davanagere - 577006.





Srishyla Educational Trust (R), Bheemasamudra
GM INSTITUTE OF TECHNOLOGY, DAVANGERE



DEPARTMENT OF COMPUTER SCIENCE & ENGG
(Accredited by NBA, New Delhi (Valid upto 30.06.2022))

Academic Year: 2021 – 22

Five Day Hands-on Workshop

On

“Python Cyber Security & Ethical Hacking”

(5-12-2021 to 9-12-2021)

Name of the Coordinator: Sandeepa G S

Faculty In-charge
Dept. of Computer Science & Engg.
GMIT, Davangere - 06



Srishyla Educational Trust (R), Bheemasamudra
GM INSTITUTE OF TECHNOLOGY, DAVANGERE

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 GMIT Campus, P.B. Road, Davangere – 577 006



Department of Computer Science and Engineering

In Association with

SIRINTEL Technologies Pvt. Ltd.
 Conducting



Five Days Hands-on Workshop
 on

“PYTHON CYBER SECURITY AND ETHICAL HACKING”



GMIT CS&E
 DEPARTMENT

IN ASSOCIATION WITH
 SIRINTEL TECHNOLOGIES



VENUE: KALPANA CHAWLA SEMINAR HALL,
 GMIT, CS&E DEPARTMENT

LAST DATE TO REGISTER:
4TH DEC 2021



PYTHON CYBER SECURITY & ETHICAL HACKING

5 DAYS TRAINING FROM DEC 5TH TO 9TH 2021

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FOR OTHER COLLEGES: 2ND SLOT 11TH TO 15TH DEC AND 3RD SLOT 19TH TO 23RD DEC 2021



Srishyala Educational Trust (R), Bheemasamudra
GM INSTITUTE OF TECHNOLOGY, DAVANGERE
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
(Accredited by NBA , New Delhi (valid upto 30.06.2022))



Five Day Hands-on Workshop
On
“Python Cyber Security & Ethical Hacking”
(5-12-2021 to 9-12-2021)

Table of Contents

Sl. No	Description
1.	Poster
2.	Program Agenda
3.	Attendance Sheet
4.	Budget
5.	Expenditure list
6.	Bills
7.	Sample copy of Certificate
8.	Student Feedback
9.	Summary Report
10.	Certificate of recognition

Date: - 24-11-2021.

To,
The Principal
G. M. Institute of Technology
Davanagere

From,
Sandeepa G.S.
Python Ethical Hacking & Cyber Security workshop
Coordinator
Dept. of CSE
GMIT, DVG.

Through
Head of the Dept.
Dept. of CSE, GMIT, DVG.

Respected Sir,

Sub:- Seeking permission to Conduct 5 days workshop on Python Cyber Security & Ethical Hacking.

With reference to above Subject, our department is going to Conduct 5 days Hands on workshop on "Python Cyber Security & Ethical Hacking" in Collaboration with Sirintel Technologies Pvt. Ltd, Harihar on 5th Dec to 9th Dec 2021 in dept. of CSE, GMIT, Davanagere. please give us the permission for Conduction of this workshop in our department.

Thanking you Sir

Yours faithfully
[Signature]
(Sandeepa G.S)

*. Poster format attached.

[Signature]
for Approval
24/11

[Signature]
24/11



Five Day Hands-on Workshop
On
“Python Cyber Security & Ethical Hacking”
(5-12-2021 to 9-12-2021)

Program Agenda

Workshop Valedictory

- **Invocation** - Ms Kavana B K
- **Welcome Speech** - Mr. Sandeepa G S
- **Student Feedbacks**
 - 1.Swaroop R K
 - 2. Ankitha K S
 - 3. Sajeeda Khanum H J
 - 4. Spoorthi S H
 - 5. Navapreettam N
 - 6. Abhishek U
 - 7. Pranav V
 - 8. Sagar Patil
- **Address by HOD** - Dr. Sanjay Pande M B
- **Address by Resource person** - Mr. Shivali S
- **Address by Principal** - Dr. Y Vijaya Kumar
- **Vote of Thanks** - Ms. Meghana H G

MOC: Ms. Sneha G N

Time: 03:00 pm to 04:00 pm.

Venue: Kalpana Chawla Seminar Hall



Workshop Budget

Five Days Hands on workshop
on

“Python Cyber Security and Ethical Hacking”

(05-12-2021 to 09-12-2021)

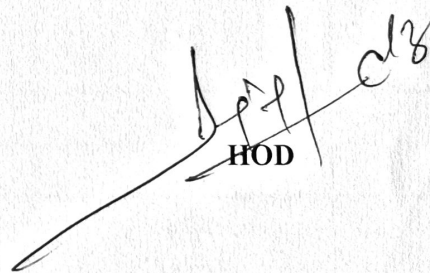
in association with

“Sirintel Technologies Pvt. Ltd.” Harihar.

SI No	Description	Amount
1	Amount Collected from Students (130*550/-)	71500/-
2	Amount Given to Resource person (130*400/-)	52000/-
3	Expenditure for Five Days	18060/-
4	Balance Available	1440/-

Note: Rupees One Thousand Four Hundred and Fourty Only.


Workshop Coordinator


HOD



Srishyla Educational Trust (R), Bheemasamudra

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GMIT Campus, P.B. Road, Davangere – 577 006



Department of Computer Science & Engineering

Date: 10.12.2021

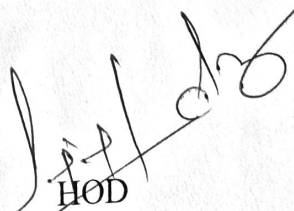
**Five Day Hands-on Workshop on Python Cyber Security & Ethical Hacking
(5-12-2021 to 9-12-2021)**

Expenditure List

Sl. No.	Particulars	Price per Item (Rs)	Quantity	Amount
1	Flower Cone	30	5	150
2	Water Bottle	10	4	40
3	Poster	20	10	200
4	Banner (10x4.5 Feet)	15	1	675
5	Tea (Staff 4 Times)	05	20	100
6	Tea + ♦ Biscuits to students for 2 times	05 (Tea) 15 (Per Pkt)	280 30 Pkt	1850
7	Boost for students one time	07	150	1050
8	Biscuits 4 times	05	600	3000
9	Ice Cream	05	180	900
10	Tea + Biscuits (Staff and Students)	05 (Tea) 15 (Per Pkt)	150 20 Pkt	1050
11	Spike Buster (8 Socket)	1250	5	7250
12	Speaker Shell	15	3	45
13	Tea + Biscuits for Staff + Students	05 (Tea) 10 (Per Pkt)	30 40 Pkt	550
14	Banner Fitting (Gum + Tag)			200
15	Miscellaneous			1000
Total				18060

In Words : Rupees Eighteen Thousand Sixty Only


Coordinator


HOD

21 32 11/12/2021

ERMIT Canteen

Tea 20 X 5 = 100

Tea 280 X 5 = 1400

Boast 150 X 7 = 1050

Tea 150 X 5 = 750

Tea 30 X 5 = 150
3450

ady
11/12/2021

ಶ್ರೀ ರಾಮಾಂಜನೇಯ
ವಯಂಗಾರ ಬೇಕರಿ & ಸ್ವೀಟ್ಸ್
ನೀರೇಶ ಕಾಂಪ್ಲೆಕ್ಸ್, ಬಸ್ಸಾಂಜ ಎದುರು,
ಒ.ಬಿ ರೋಡ್, ರಾಣೀಬೆನ್ನೂರು 581115

Good day biscuits 30 X 15 = 450.00
Marie Gold Biscuits 20 X 15 = 300.00
Good day Biscuits 40 X 10 = 400.00
1150.00

Signature

Signature

GSTIN: 29CJLPN1546C125

Mob: 8951539527
8951539526

ವಿಜಯಶ್ರೀ ಎಲೆಕ್ಟ್ರಿಕಲ್ಸ್

VIJAYASREE ELECTRICALS

629/2, Binny Company Road, DAVANGERE-577001

QUOTATION

Date 10/12/14

No

M's

Cust

SI No	Particulars	Qty	Rate	Total
	18M Lay for	3	380	1140
	Switch for	3	110	330
	Socket HO	40	65	2600
	Ordicuer	3	75	225
	3 core wire	90mtr	90	1800
	3 pin PP	3	45	135
	Blana Lay	10	15	150
Rupees				TOTAL 6380/-

For Vijayasree Electricals

Fitting charges extra

Proprietor

790/-

(7250/-)

Total 6380 + 790 = 7150/-

Petrol charge 100/-

480



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ISO:9001:2015 CERTIFIED & AICTE APPROVED ORGANIZATION

CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS AWARDED TO

BHARATH K H

Has Successfully Participated in

“CYBER SECURITY USING PYTHON & ETHICAL HACKING”

5 Days HANDS ON Training Conducted by SIRINTEL TECHNOLOGIES

In Association with Dept. of CS&E, GMIT, Davangere

at GM INSTITUTE OF TECHNOLOGY, DAVANGERE

FROM: 5TH DEC 2021 TO: 9TH DEC 2021 REG.ID: GMST2125

Shivali S

**Technical Head
(Shivali S)**

**Sirintel Technologies Pvt. Ltd.
HRR**

Sandeep G S

**Co-Ordinator
(Sandeepa G S)**

**Asst. Prof., Dept. of CSE,
GMIT,DVG**

Dr. Sanjay Pande M B

**Convener
(Dr. Sanjay Pande M B)
Prof. & Head.,**

Dept. of CSE, GMIT,DVG

Dr. Y Vijaya Kumar

**Principal
(Dr. Y Vijaya Kumar)
GMIT, DVG**



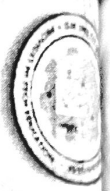
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KEERTHANA GU

Has Successfully Participated in

“CYBER SECURITY USING PYTHON & ETHICAL HACKING”
5 Days HANDS ON Training Conducted by SIRINTEL TECHNOLOGIES

In Association with Dept. of CS&E, GMIT, Davangere

at GM INSTITUTE OF TECHNOLOGY, DAVANGERE

FROM: 5TH DEC 2021 TO: 9TH DEC 2021 REG.ID: GMS12101

SHIVALAS

Subhash G.S.

J.H. P.

Dr. Y. Vijaya Kumar

Technical Head
 (Shivaji S)
 Sirintel Technologies Pvt. Ltd.
 HRR

Co-Ordinator
 (Sandeepa G S)
 Asst. Prof., Dept. of CSE,
 GMIT, DVG

Convener
 (Dr. Sanjay Pande M B)
 Prof. & Head,
 Dept. of CSE, GMIT, DVG

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 (Dr. Y Vijaya Kumar)
 GMIT, DVG

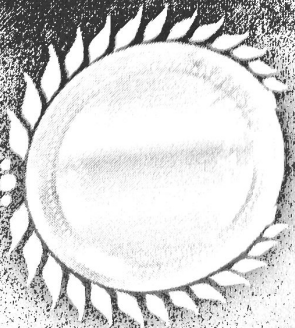


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 All India Council for Technical Education

Project: 2017 with Free Version of Watermarking Full Version: 2018



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LAST CLASS CYBERSECURITY FEEDBACK FORM

S.NO	Submit Date	Did you find the workshop useful ?	How would you rate the instructor's teaching?	How effective was teaching experience ?	How supportive is trainer ?	How would you rate your overall experience with our service?	Any other comments?	Name	Branch	College	phone number
1	09-12-2021	Very Good	Good	Very Good	Very Good	Very Good	No	Anupama.s.gudagur	Computer science and engineering	GM Institute of technology	7892969635
2	09-12-2021	Good	Good	Good	Neutral	Good	Nothing	Nothing	E and c	GMIT	8618565358
3	09-12-2021	Very Good	Good	Good	Very Good	Good	No	Indumathi.H.M	CSE	GMIT	9606804421
4	09-12-2021	Good	Good	Good	Good	Good	Good and happy	Ammulya v revankar	Cs	G M Institute of technology	6360464045
5	09-12-2021	Good	Very Good	Very Good	Very Good	Good	Nothing	Harshitha B S	Computer science and engineering	GMIT	6360641864
6	09-12-2021	Good	Good	Good	Good	Good	give ous much more information about python and conduct many more workshops	AFFIJULLA	ip	ubdt	9353130785
7	09-12-2021	Very Good	Very Good	Very Good	Very Good	Very Good	No	Ashfa M Nadaf	ECE	GMIT	6364123648
8	09-12-2021	Very Good	Very Good	Very Good	Very Good	Very Good	Happy with the 5 days of experience	Harshitha s	Computer science engineering	Gm institute of technology 9	9449370248
9	09-12-2021	Neutral	Good	Neutral	Neutral	Good	Good experience	Kiran B	BT	GMIT	08792674058
10	09-12-2021	Very Good	Good	Good	Very Good	Very Good	No	Priyanka Bai	Cse	Gmit	9945817220
11	09-12-2021	Very Good	Very Good	Very Good	Very Good	Very Good	Good experience	Abhishek U	CSE	GMIT	9113661556
12	09-12-2021	Very Good	Very Good	Very Good	Very Good	Very Good	Overall very good	Basavaraj	E and c	G m i t college	8095850066
13	09-12-2021	Very Good	Good	Very Good	Very Good	Good	Nothing	Divya basavaraj karagi	Electronics and communication	GMIT	7795069572

S.NO	Submit Date	Did you find the workshop useful ?	How would you rate the instructor's teaching?	How effective was teaching experience ?	How supportive is trainer ?	How would you rate your overall experience with our service?	Any other comments?	Name	Branch	College	phone number
23	09-12-2021	Very Good	Very Good	Very Good	Very Good	Very Good	Wonderful session experience. Thank you	Chandan B	CSE	G M Institute of technology	9986723172
24	09-12-2021	Very Good	Very Good	Very Good	Very Good	Very Good	Good n helps a lot	Suprith	CSE	GMIT	8648971692
25	09-12-2021	Very Good	Very Good	Very Good	Very Good	Very Good	Work shop was intresting	Santhosh Kumar KS	CSE	GMIT	8549979939
26	09-12-2021	Very Good	Very Good	Good	Good	Very Good	Nothing	Marulasiddesh gu	CSE	GMIT	9742298568
27	09-12-2021	Very Good	Very Good	Very Good	Very Good	Good	Give letterwrite to those who worth it	Pallavi. K.G	CSE	GMIT	7019948194
28	09-12-2021	Good	Good	Good	Good	Good	Useful.want many more sessions like this	Sanjana K	CS	GMIT	7676617625
29	09-12-2021	Good	Good	Good	Good	Good	It was useful. Want many more sessions like this...	Nikhitha B	CSE	GMIT	8050478766
30	09-12-2021	Very Good	Very Good	Very Good	Very Good	Very Good	No	Noorjahan Halageri	Electronics and communication	G M Institute of Technology	9353216326
31	09-12-2021	Very Good	Very Good	Very Good	Very Good	Very Good	No	Yashodha	ECE	GMIT	9741183754
32	09-12-2021	Very Good	Good	Good	Very Good	Good	No	Lavanya s	CSE	GMIT	9353579405
33	09-12-2021	Very Good	Very Good	Very Good	Very Good	Very Good	We want this kind of program from you in the future sir	Hema D Poojar	CSE	GMIT Davanagere	8147381720
34	09-12-2021	Very Good	Very Good	Very Good	Very Good	Very Good	The trainer is very interactive and the program is good.	Vanamali Sedimbi	CSE	GM Institute of technology	8618814704
35	09-12-2021	Good	Good	Good	Good	Very Good	Nice	Ramya R	CS	GMIT	9113592076
36	09-12-2021	Very Good	Very Good	Very Good	Very Good	Very Good	Its wonderfulll	SIRI R	CSE	GM INSTITUTE OF TECHNOLOGY	888405468

S.NO	Submit Date	Did you find the workshop useful ?	How would you rate the instructor's teaching?	How effective was teaching experience ?	How supportive is trainer ?	How would you rate your overall experience with our service?	Any other comments?	Name	Branch	College	phone number
50	09-12-2021	Very Good	Very Good	Very Good	Very Good	Very Good	Nothing	Sahana	Cse	Gmit	9442427533
51	09-12-2021	Very Good	Very Good	Very Good	Very Good	Very Good	No comments	Samarth V M	Biotechnology	GMIT	7996028517
52	09-12-2021	Very Good	Very Good	Very Good	Very Good	Very Good	No	Preethi N B	CSE	G M I T	6360070574
53	09-12-2021	Good	Good	Good	Very Good	Very Good	Na	Pranav v	Cse	Gmit	8618994561
54	09-12-2021	Very Good	Very Good	Very Good	Very Good	Very Good	Can be conducted on a regular basis	NAVAPRETTAM N	CSE	GMIT	7349353427
55	09-12-2021	Good	Good	Good	Very Good	Good	It is helpfull	Ankitha K N	CSE	GMIT davangere	8123539464
56	09-12-2021	Good	Good	Good	Good	Good	session was informative	Anusha B M	Electronics and communication	GM institute Of technology	7026753597
57	09-12-2021	Very Good	Very Good	Good	Very Good	Good	Nothing as such	Simran shaik	Computer science and engineering	Gmit	8867534059
58	09-12-2021	Very Good	Very Good	Very Good	Very Good	Very Good	Nice	Shashti D B	CSE	GMIT	8951349930
59	09-12-2021	Neutral	Good	Very Good	Neutral	Neutral	No	Ankitha Jain A	ECE	GMIT	8088027367
60	09-12-2021	Very Good	Very Good	Very Good	Good	Very Good	Nice	Swathi U Shet	CSE	GMIT	9901641428
61	09-12-2021	Very Good	Very Good	Very Good	Very Good	Very Good	NA	Shivashankar.M.N	CSE	GMIT, Davanagere	7353394854
62	09-12-2021	Very Good	Very Good	Very Good	Very Good	Very Good	I m interested to learn more	ABRAR Raza	ECE	GMIT	7795111229
63	09-12-2021	Very Good	Very Good	Good	Very Good	Very Good	Can you conduct more workshop	Pankaj kumar	CSE	GMIT	8660311470
64	09-12-2021	Very Good	Very Good	Very Good	Very Good	Very Good	No	Sushma B C	CSE	GMIT	6361833013
65	09-12-2021	Very Good	Very Good	Good	Very Good	Good	Overall it was good	Ganesh R Pawar	ECE	GMIT	8618599593
66	09-12-2021	Very Good	Very Good	Very Good	Very Good	Very Good	It was a very good experience overall and had a great learning experience	Shravan	CSE	GMIT	9590077817
67	09-12-2021	Very Good	Very Good	Very Good	Very Good	Very Good	Nice	NEHA PATIL S P	Cse	Gmit	9480434917
68	09-12-2021	Good	Good	Good	Good	Good	good	SUSHMA KUMARI B	CSE	GM INSTITUTE OF TECHNOLOGY	9739135910

ADMISSION:

The aim of the workshop inspired every student to be secured in every aspect. So, the no. of admissions towards this workshop was 130. The fee structure for GMIT college students was INR 550/- and for other college students INR 750/-. The mode of payment were cash as well as online payment i.e. Phone pay, Paytm, Google pay etc

PROCESS:

Every participant was instructed by co-ordinators as well the resource person. Before attending the workshop, we provided software where they have to download those applications.

RESPONSIBILITY:

Responsibility of resource person:

- To provide a qualitative and quantitative knowledge through this workshop.

Responsibility of co-ordinators:

- Monitoring and helping the participants for better understanding.
Monitoring includes a discipline and silence throughout the workshop by clarifying their doubts.

Day 1- 05/12/2021:

On 5th December 2021 the reporting time for co-ordinators and resource person was 9:00 am and for participants was 9:15am. The document verification and registration were held at Kalpana chawla seminar hall. The requirement for the participants were

- Address proof and Covid 19 Certificate
- If the mode of payment was online, then they need to get the transaction detail of it.

The actual session started at 10:00 am. At the beginning of the session Sir described about Ethical Hacking. He gave a clear-cut information about -

- White hat hacker
- Grey hat hacker
- Black hat hacker

He made an impact on participants to be a white hat hacker.

The topics that covered during Day 1 are

1. VPN application:

He explained what is VPN, its applications and how it is implemented during hacking.

2. IP masking:

Masking of IP address with the help of VPN.

3. SQL Injection:

Detailed description of SQL injection

Penetration test for websites which is developed from SQL language using given code.

Listing the websites which are under developed, and informing the respective authorities.

4. **Penetration test on CCTV:**
Testing the given code.
Controlling and monitoring the CCTVs which are connected to the internet.
Safety measures to be taken for security.
5. **Protecting our photos from social media.**
6. **IP logger:**
To get the location of victim.
7. **Find my device:**
Measures taken to keep our data safely when we lost our phone (within 30minutes).
8. **WhatsApp security**

A trial quiz was conducted. Students were made to undergo a penetration test for certain websites. These were the topics covered on Day1.

Day 2 – 06/12/2021

Reporting time: 10:00 am

Topics that are covered on Day 2 are:

1. **Program on python.**
Length of input.
Slicing the strings.
Replacing the string.
Looping.
Global variable.
2. **Mobile tracker:**
Hacking the entire android mobile.

Clarifying the doubts of each individual.

Day 3 – 07/12/2021:

INAUGURATION PROGRAM

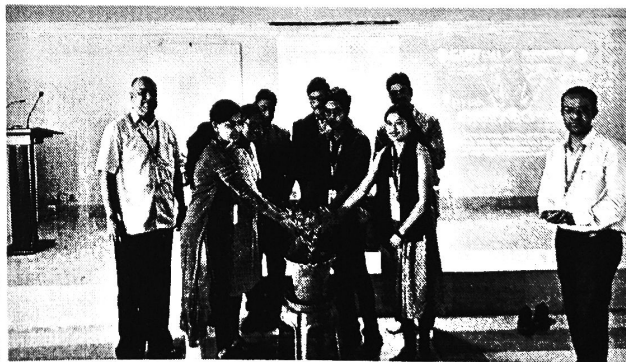
Venue – Kalpana Chawla seminar hall, GMIT Davangere.

The formal function started at 10:30am. The workshop was inaugurated by All the Dignitaries by Watering the Plant.

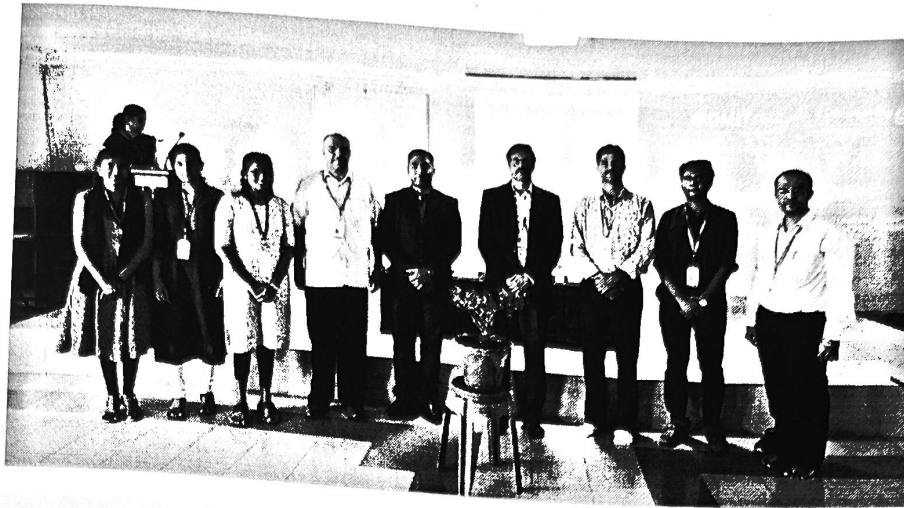
The Chief Guest for the function was Mr. Shivali S. He explained the actual meaning of Ethical hacking, how we have to use it to provide security and job opportunity regarding security.



Guest Speech Regarding Ethical Hacking



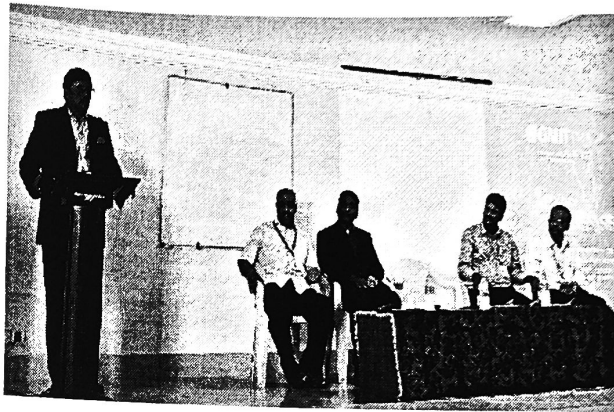
Watering a Plant by Guest, President and Convenor and Student Participant



Group photo after the Watering a Plant



Welcome Speech from Coordinator



Presidential Speech



Speech from Convenor

Topics that are covered on Day 3:

1. GUI interface.
2. Encryption and Decryption.
3. Random keys.
4. Trojan virus attack.
5. D Dos attack.

Clarifying the doubts of each individual.

DAY 4 – 08/12/2021:

Reporting time: 10:00 am

Topics that are covered on Day 2:

1. Sentiment detector.
2. Keylogger.
3. Brute force attack.
4. Kanboot.

Clarifying the doubts of each individuals.

DAY 5 – 09/12/2021:

Reporting time: 10:00 am

Topics that are covered on Day 2:

1. Hackspy trojan virus attack(using socket library).
2. Revision and doubt clarification session.
3. Conduction of test on Cyber security and syllabus covered in last 4days.
4. Feedback session.

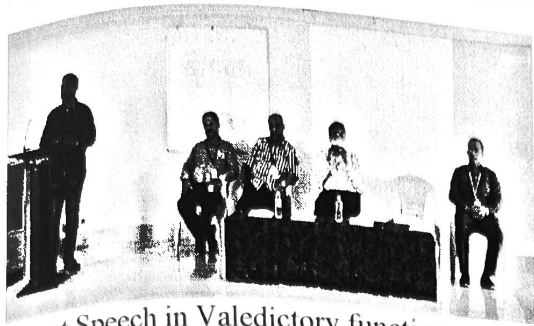
Clarifying the doubts of each individuals.

FEEDBACK SESSION:

- Feedbacks were taken for the participant in the link provided by Mr. Shivali sir(survey hearts).
- Feedback program was conducted on day 5 that is on 09/12/2021 at Kalpana Chawla seminar hall.



Group Photo after the Inauguration

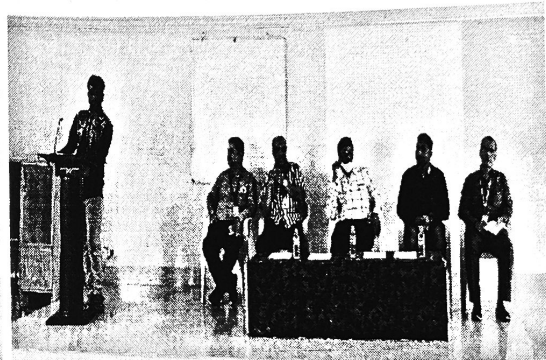
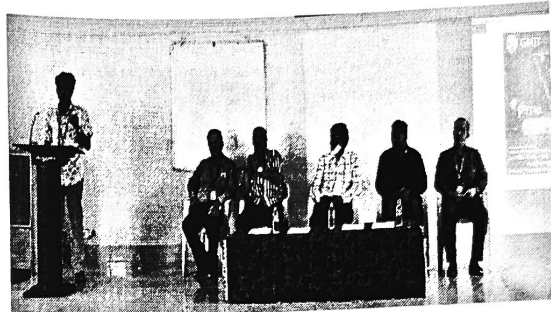


Guest Speech in Vaedictory function



Presidential Speech in Vaedictory function

Students giving FeedBacks in Vaedictory Function



Certificate Distribution



Certificate Distribution to Students from Convenor, Coordinator and Faculty members of the Dept.



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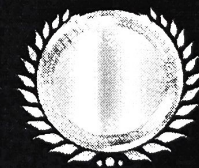
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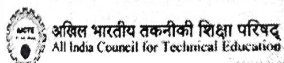
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 Asst. Prof., Dept. of CSE,
 GMIT,DVG

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 Prof. & Head.,
 Dean Research & Development
 Dept. of CSE, GMIT,DVG

Principal
 (Dr. Y VJaya Kumar)
 GMIT, DVG



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Sample Certificate

Certificate of Recognition to Students



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SIRINTEL TECHNOLOGIES PRIVATE LIMITED

ASSESSMENT NO. 693/1-693/1-693/1, L S Arcade, 3rd Main, Mamas Joint Rd,
MCC B Block, Davanagere, Karnataka 577004



Ref. No. - SIRINTEL/TECH-DEPT/INPLN/2021/1101
Date: DEC 15th, 2021

TO WHOM IT MAY CONCERN

This is to certify that Mr/Mrs **ABHISHEK U** REG# **4GM20C5002** of **G.M INSTITUTE OF TECNOLOGY, Davanagere** has Undergone **TRAINING** from **05/09/2021 to 15/12/2021** in our organization **SIRINTEL TECHNOLOGIES PVT. LTD.** Davanagere to fulfill the Requirements for the award of **Cyber Security Analyst**. He/she was part of training, who underwent training on **Industrial Awareness in Cyber Security using Python & Ethical Hacking with Practical Projects &** and solved various vulnerable cyber attacks. These activities were carried under the supervision of **Mr Shivali S.** During his/her tenure with us we found him/her sincere and hardworking. We wish him/her great success in the future.

We wish "ABHISHEK U" the very best for his/her career and future endeavors.

For Sirintel Technologies Private Limited

HR Department

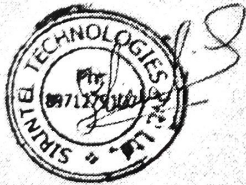


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sirintel.tec@gmail.com



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MCC B Block, Davanagere, Karnataka 577004



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Certificate was given to the student after completing the training from 5-9-2021 to 15-12-2021 from Sirintel Technologies Pvt. Ltd. Davanagere.

odd 2020-21



Srishyla Educational Trust (R), Bheemasamudra
GM INSTITUTE OF TECHNOLOGY, DAVANAGERE

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GMIT Campus, P.B. Road, Davangere – 577 006



**Five Day Hands-On Workshop on
“C Fundamentals & Its Applications”
in Association with Forum- Falcon
(Exclusively for 3rd Semester Students)**

Date:

18th to 22nd January 2021

Venue:

Computer Center
(2nd Floor)

Resource Persons:

All Teaching and Technical Staff,
Dept. of CS&E, GMIT

Faculty In-Charge:

Mr. Maruthi S T
Asst. Professor, Dept. of CS&E
GMIT, Davanagere

CONTENTS

1. Brochure
2. Workshop Schedule
3. Attendance
4. Pre-Test Questions Analytics
5. Pre-Test Results
6. Post-Test Results
7. Appreciation Certificates



Srishyla Educational Trust (R), Bheemasamudra

GM INSTITUTE OF TECHNOLOGY, DAVANGERE

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Accredited by NBA, New Delhi (Valid up to 30.06.2022)

FIVE DAY HANDS-ON WORKSHOP ON “C FUNDAMENTALS AND APPLICATIONS” IN ASSOCIATION WITH FORUM –FALCON

Third Semester Students

Date:

18th to 22nd January 2021

Time:

1:30pm to 4:30pm

Resource Persons: *All the Teaching & Technical Staff,*
Dept. Of CS&E, GMIT

Venue: Computer Centre, (2nd Floor)
Dept. of CSE, GMIT



Coordinators: Mr. Santoshkumar M
Mr. Sandeepa G S
Mr. Maruthi S T

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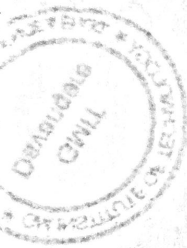
Srishyla Educational Trust (R), Bheemasamudra
GM INSTITUTE OF TECHNOLOGY, DAVANAGERE
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
(Accredited by NBA, New Delhi valid till 30.06.2022)



Five day Hands-on workshop on
“C Fundamentals and Its Applications”
in association with Forum - FALCON
(18th to 22nd Jan 2021)

AGENDA

- Invocation : Ms.Divya Bhat
- Welcome : Mr. Maruthi S T
- Watering the plant : All Dignitaries
- About the Workshop : Dr. Mouneshachari S
- Role of Workshop towards Industry: Dr. Sanjay Pande M B
- Placement initiative : Mr. Tejasvi Kattimani T R
- Presidential Address : Dr. Y Vijaya Kumar
- Vote of Thanks : Mr. Santoshkumar M
- MOC : Mrs. Sushma S G





DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Five Day Workshop on "C Fundamentals & Applications"

WORKSHOP SCHEDULE

Day – 1 (18th Jan 2021, Monday)

Session	Programs	Time	Resource Person	Signature
Inauguration		1.30 – 2.30		
Tea break		2.30 - 2.45		
Session – 1				
Introduction to A basic structure of C programming and executing C Programming, constant, Variable, operators, Expression	Programs on operators, arithmetic expressions, simple calculator, Quadratic equation and palindrome	2.45 – 4.30	Dr. Sanjay Pande M B Shivanna K Aruna Kumar B T	

Day – 2 (19th Jan 2021, Tuesday)

Session	Programs	Time	Resource Person	Signature
Session -2				
Conditional branching and loops	Program for Taylor series, bubble sort and Electricity bill	1.30 – 4.30	Dr. Mouneshachari S Santoshkumar M	

Day – 3 (20th Jan 2021, Wednesday)

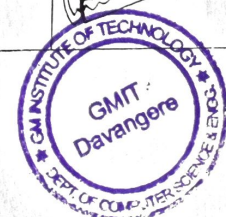
Session	Programs	Time	Resource Person	Signature
Session -3				
Arrays, Character Arrays and Strings	Program for Binary search, Matrix Multiplication	1.30 – 4.30	Sushma S G Sandeepa G S	

Day – 4 (21st Jan 2021, Thursday)

Session	Programs	Time	Resource Person	Signature
Session - 4				
User defined function and recursion	Program on Strings using functions, Prime numbers, Recursive function for Binary to Decimal Conversion	1.30 – 4.30	Mr. Rudresh N C Mr. Maruthi S T	

Day – 5 (22nd Jan 2021, Friday)

Session	Programs	Time	Resource Person	Signature
Session - 5				
Structures and Pointers	Program using pointers to compute sum, mean & standard deviation, Average marks for a class of N student	1.30 – 3.30	Kotreshi S N Niranjanmurthy C	
Examination	Quiz (MCQ in Google form)	3.30 – 4.00	Rudresh N C Maruthi S T	



Handwritten initials/signature



Srishyala Educational Trust (R), Bheemasamudra
GM INSTITUTE OF TECHNOLOGY, DAVANGERE
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Five Day Workshop on "C Fundamentals & Its Applications"
In Association with FORUM-FALCON



Sem: 3rd

(18th to 22nd Jan 2021)

Venue: Online Centre 2nd Floor

Sl No	USN	Name	System No	Session1	Session2	Session3	Session4	Session5	Remarks
				18.01.21	19.01.21	20.01.21	21.01.21	22.01.21	
1	4GM18CS002	Adeeba	C-050	<i>adeeba</i>	AB	AB	AB	AB	
2	4GM18CS009	Ashish R Choudhary	C-026	<i>Ashish</i>	<i>Ashish</i>	<i>Ashish</i>	<i>Ashish</i>	<i>Ashish</i>	
3	4GM18CS012	Chandan C J	C-048	<i>Chandan</i>	AB	<i>Chandan</i>	AB	<i>Chandan</i>	
4	4GM18CS026	Kiran G C	C-025	<i>Kiran G C</i>	<i>Kiran G C</i>	<i>Kiran G C</i>	<i>Kiran G C</i>	<i>Kiran G C</i>	
5	4GM18CS063	Vishnu P K	C-049	<i>Vishnu P K</i>	AB	<i>Vishnu P K</i>	AB	AB	
6	4GM19CS001	Abdu Raziq Hidayathulla	C-011	<i>Abdu Raziq</i>	<i>Abdu Raziq</i>	<i>Abdu Raziq</i>	<i>Abdu Raziq</i>	<i>Abdu Raziq</i>	
7	4GM19CS002	Abhishek G C	C-007	<i>Abhishek</i>	<i>Abhishek</i>	<i>Abhishek</i>	<i>Abhishek</i>	<i>Abhishek</i>	
8	4GM19CS003	Akash R Pawar	C-009	<i>Akash R</i>	<i>Akash R</i>	<i>Akash R</i>	<i>Akash R</i>	<i>Akash R</i>	
9	4GM19CS004	Ankitha Patel T C	C-047	<i>Ankitha</i>	<i>Ankitha</i>	<i>Ankitha</i>	<i>Ankitha</i>	<i>Ankitha</i>	
9	4GM19CS004	Anusha Aralalli	C-032	Anusha.A	Anusha.A	Anusha.A	Anusha.A	Anusha.A	
10	4GM19CS005	Anusha Aralalli	C-52	<i>Anusha</i>	<i>Anusha</i>	<i>Anusha</i>	<i>Anusha</i>	<i>Anusha</i>	
11	4GM19CS006	Anushree A T	C-105	<i>Anushree</i>	<i>Anushree</i>	<i>Anushree</i>	<i>Anushree</i>	<i>Anushree</i>	
12	4GM19CS007	Anushree P L	C-008	<i>Anushree</i>	<i>Anushree</i>	<i>Anushree</i>	AB	<i>Anushree</i>	
13	4GM19CS008	Anvith S Moily	C-059	<i>Anvith S</i>	<i>Anvith S</i>	AB	<i>Anvith S</i>	AB	
14	4GM19CS009	Ashwini M	C-177	<i>Ashwini M</i>	<i>Ashwini M</i>	<i>Ashwini M</i>	<i>Ashwini M</i>	<i>Ashwini M</i>	
15	4GM19CS010	B Tarun	C-111	<i>Bhoomika</i>	<i>Bhoomika</i>	<i>Bhoomika</i>	<i>Bhoomika</i>	<i>Bhoomika</i>	
16	4GM19CS011	Bhoomika G H	C-098	<i>Bhoomika</i>	<i>Bhoomika</i>	<i>Bhoomika</i>	<i>Bhoomika</i>	<i>Bhoomika</i>	
17	4GM19CS012	Bhoomika R Gudisagar	C-018	AB	AB	<i>Bhoomika</i>	AB	AB	
18	4GM19CS013	Chakreshwara T V	C-066	AB	<i>Chethana</i>	<i>Chethana</i>	<i>Chethana</i>	<i>Chethana</i>	
19	4GM19CS014	Chetana M Tumminakatti	C-067	<i>Chethana</i>	<i>Chethana</i>	<i>Chethana</i>	<i>Chethana</i>	<i>Chethana</i>	
20	4GM19CS015	Chethana H	C-118	<i>Chethana</i>	<i>Chethana</i>	<i>Chethana</i>	<i>Chethana</i>	<i>Chethana</i>	
21	4GM19CS016	Deepak K R	C-101	<i>Deepak</i>	<i>Deepak</i>	<i>Deepak</i>	<i>Deepak</i>	<i>Deepak</i>	
22	4GM19CS017	Deepika D	C-104	<i>Chamu</i>	<i>Chamu</i>	<i>Chamu</i>	<i>Chamu</i>	<i>Chamu</i>	
23	4GM19CS018	Dhanushree M G							

Sl No	USN	Name	System No	Session1	Session2	Session3	Session4	Session5	Remarks
				18.01.21	19.01.21	20.01.21	21.01.21	22.01.21	
24	4GM19CS019	Divya Ramesh Bhat	C-033	DRBhat	DRBhat	DRBhat	DRBhat	DRBhat	
25	4GM19CS020	Divyashri K S	C-095	Divyashri	Divyashri	Divyashri	Divyashri	Divyashri	
26	4GM19CS021	Divyashree H R	C-058	Divyashree	Divyashree	Divyashree	AB	Divyashree	
27	4GM19CS022	G R Sagar		AB	AB	AB	AB	AB	
28	4GM19CS023	Hariharan R		AB	AB	AB	AB	AB	
29	4GM19CS024	Haritha	C-028	Haritha	Haritha	Haritha	Haritha	Haritha	
30	4GM19CS025	Harsha V Hanumanahalli	C-015	Harsha	Harsha	Harsha	AB	Harsha	
31	4GM19CS026	Harshitha H B	C-024	Harshitha	Harshitha	Harshitha	AB	Harshitha	
32	4GM19CS027	Harshitha H V	C-106	Harshitha	Harshitha	Harshitha	Harshitha	Harshitha	
33	4GM19CS028	Hemanth Kudrayya Kumbaroerimath	C-114	Hemanth	Hemanth	Hemanth	Hemanth	Hemanth	
34	4GM19CS029	Jeevan P P	C-06	AB	AB	AB	AB	AB	
35	4GM19CS031	Kavya S	C-099	Kavya S	Kavya S	Kavya S	Kavya S	Kavya S	
36	4GM19CS032	M Jnananidhi	C-013	M Jnananidhi	M Jnananidhi	AB	M Jnananidhi	M Jnananidhi	
37	4GM19CS033	Mandara S	C-050	Mandara	Mandara	Mandara	Mandara	Mandara	
38	4GM19CS034	Meghana M R	C-050	Meghana	Meghana	Meghana	Meghana	Meghana	
39	4GM19CS035	Nanditha M N	C-103	Nanditha	Nanditha	Nanditha	Nanditha	Nanditha	
40	4GM19CS036	Nehal G	C-093	Nehal G	Nehal G	Nehal G	Nehal G	Nehal G	
41	4GM19CS037	Nishchal T S	C-119	Nishchal	Nishchal	Nishchal	Nishchal	Nishchal	
42	4GM19CS038	Pavan C S	C-006	Pavan C S	Pavan C S	AB	Pavan C S	Pavan C S	
43	4GM19CS039	Pavan K S	C-055	Pavan K S	Pavan K S	Pavan K S	Pavan K S	Pavan K S	
44	4GM19CS040	Pranati R	C-089	AB	Pranati R	Pranati R	Pranati R	Pranati R	
45	4GM19CS041	Prarthana B G	C-068	Prarthana B G	Prarthana B G	Prarthana B G	Prarthana B G	Prarthana B G	
46	4GM19CS042	Prathibha P	C-039	Prathibha	Prathibha	Prathibha	Prathibha	Prathibha	
47	4GM19CS043	Prithviraj L Hulgur	C-054	Prithviraj	Prithviraj	Prithviraj	Prithviraj	Prithviraj	
48	4GM19CS044	Raksha G M	C-100	Raksha	Raksha	Raksha	Raksha	Raksha	
49	4GM19CS045	Rikhil S Jain	C-014	Rikhil	Rikhil	Rikhil	Rikhil	Rikhil	
50	4GM19CS046	Sahana J Y	C-078	Sahana	Sahana	Sahana	Sahana	Sahana	

Sl No	USN	Name	System No	Session1 18.01.21	Session2 19.01.21	Session3 20.01.21	Session4 21.01.21	Session5 22.01.21	Remarks
51	4GM19CS047	Santhoshkumar K G	C-005	Santhosh	AB	AB	Santhosh	Santhosh	
52	4GM19CS048	Shamant H S	C-016	Shamant	Shamant	Shamant	Shamant	Shamant	
53	4GM19CS049	Sharath A Hittalamani	C-063	Sharath	Sharath	Sharath	Sharath	Sharath	
54	4GM19CS050	Sheetal S V	C-043	Sheetal.S.V	Sheetal.S.V	Sheetal.S.V	Sheetal.S.V	Sheetal.S.V	
55	4GM19CS051	Shilpa G R	C-70	Shilpa.G.R	Shilpa.G.R	Shilpa.G.R	Shilpa.G.R	Shilpa.G.R	
56	4GM19CS052	Shreya B T	C-024	Shreya.B.T	Shreya.B.T	Shreya.B.T	Shreya.B.T	Shreya.B.T	
57	4GM19CS053	Shubha B V	C-027	Shubha	Shubha	Shubha	Shubha	Shubha	
58	4GM19CS054	Shwetha N	C-069	Shwetha.N	Shwetha.N	AB	Shwetha.N	Shwetha.N	
59	4GM19CS055	Simran Koul	C-051	Simran	Simran	Simran	Simran	Simran	
60	4GM19CS056	Soumya P F	C-096	Soumya	Soumya	Soumya	Soumya	Soumya	
61	4GM19CS057	Sowbhagya V Kini	C-071	Sowbhagya	Sowbhagya	Sowbhagya	Sowbhagya	Sowbhagya	
62	4GM19CS058	S P Suchetha	C-030	S.P.Suchetha	S.P.Suchetha	S.P.Suchetha	S.P.Suchetha	S.P.Suchetha	
63	4GM19CS059	Spoorthi Rani N	C-076	Spoorthi	Spoorthi	Spoorthi	Spoorthi	Spoorthi	
64	4GM19CS060	Suchith V S		AB	AB	AB	AB	AB	
65	4GM19CS061	Sunad R Gundagatti	C-115	Sunad	Sunad	Sunad	Sunad	Sunad	
66	4GM19CS062	Thanushree H R	C-075	Thanushree	Thanushree	Thanushree	Thanushree	Thanushree	
67	4GM19CS063	Thrupthi H	C-074	Thrupthi	Thrupthi	Thrupthi	Thrupthi	Thrupthi	
68	4GM19CS064	Umar Faruq	C-116	Umar	Umar	Umar	Umar	AB	
69	4GM19CS065	Vandana G N	C-060	Vandana	Vandana	Vandana	Vandana	Vandana	
70	4GM19CS066	Sampada S Pavate	C-072	S.S.Pavate	S.S.Pavate	S.S.Pavate	S.S.Pavate	S.S.Pavate	
71	LE	Akshatha N	C-022	Akshatha	Akshatha	Akshatha	AB	AB	
72	LE	Adarsha M V	C-056	Adarsha	Adarsha	Adarsha	Adarsha	AB	
73	LE	Ananda M N	C-061	Ananda	Ananda	Ananda	Ananda	Ananda	
74	LE	Sahana D Patil	C-023	Sahana	Sahana	Sahana	AB	AB	

Coordinator

Faculty In-charge

Dept. of Computer Science & Engg.
CMU, Davangere-06.

Bhargavi.M
Sahana. D.P

C-024

Bhargavi
Sahana
AB

C-021

Sahana
AB

AB

AB

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HOD

Head of the Department
Dept. of Computer Science & Engg.
CMU Institute of Technology
DANGANGERE - 577 006

C Fundamentals Pre-test (1/2)

68 responses

Publish analytics

Your Name:

68 responses

Divya Ramesh Bhat

Pavan KS

Simran koul

Anusha Aralalli

Shilpa G R

Sowbhagya v kini

Anushree A.T

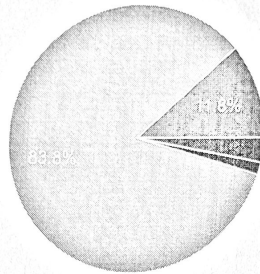
Bhoomika R G

Vishnu pk



Which of the following is not correct variable type?

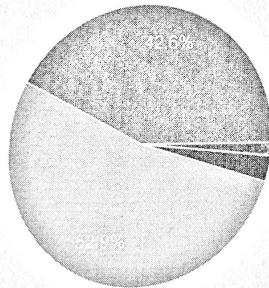
68 responses



- int
- float
- real
- double

Which of the following is not relational operator?

68 responses

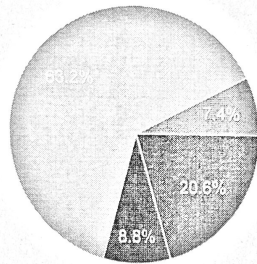


- <
- >
- ==
- <=



Which of the following is correct comment?

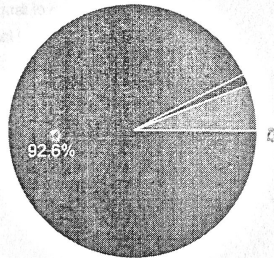
68 responses



- */comment*/
- **comment**
- /*comment*/
- {comment}

What punctuation is use to signal begining and end of code block?

68 responses

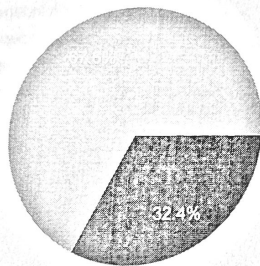


- { }
- BEGIN and END
- -> <-
- (and)



Which is the only function all C Programs must contain?

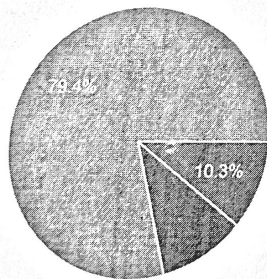
68 responses



- sqrt()
- printf()
- main()
- start()

Who is known as founder of C Language?

68 responses

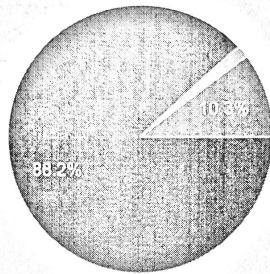


- Mark Zukerberg
- Martin Richard
- Albert Einstein
- Dennis Ritchie



which symbol is used to make single line comment in C?

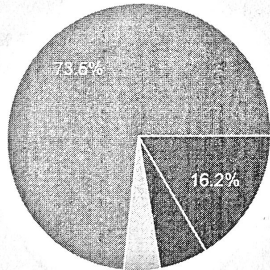
68 responses



- //
- <!--
- !!
- #

In order to properly use a variable

68 responses

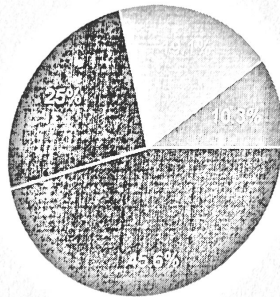


- The variable must have a valid type.
- Variable should not be keyword
- Variable name must begin with letter
- All of the above



What will be the output when you compile and execute the following code

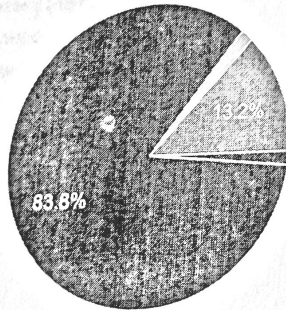
68 responses



- -2, 3, 1, 1
- 2, 3, 1, 2
- -1, 3, 1, 1
- 3, 3, 1, 2

What is required to avoid falling through from one case to next in switch statement?

68 responses

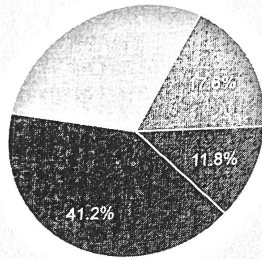


- stop;
- break;
- end;
- semicolon;



What is the result of the following code block?

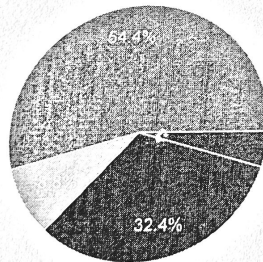
68 responses



- One
- Zero
- Hello World
- ZeroHello World

What is the result of this code?

68 responses



- X is Greater than Y
- Statement Missing ;
- Error: X is undeclared
- X is Lesser than Y

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Google Forms



Pre Test Result

Score	Your Name:	USN
16 / 20	Sunad R Gundagatti	4GM19CS061
15 / 20	Bhoomika R G	4GM19CS012
15 / 20	Spoorthi Rani N	4GM19CS059
14 / 20	Anusha Aralalli	4GM19CS005
13 / 20	Adarsha M V	1ap08cs024
13 / 20	Divya Ramesh Bhat	4GM19CS019
13 / 20	Ankitha Patel TC	4GM19CS004
13 / 20	Prarthana B G	4GM19CS041
13 / 20	Haritha	4GM19CS024
13 / 20	Pavan KS	4GM19CS039
13 / 20	Shreya B T	4GM19CS052
13 / 20	Harsha V H	4GM19CS025
13 / 20	ANUSHREE P L	4GM19CS007
13 / 20	Anushree A.T	4GM19CS006
13 / 20	Pranati R	4GM19CS040
13 / 20	Prathibha P	4GM19CS042
13 / 20	Suchith.v.s	4GM19CS060
12 / 20	Meghana M R	4GM19CS034
12 / 20	Prithviraj L Hulgur	4GM19CS043
12 / 20	Hemanth RK	4gm19cs028
12 / 20	Deepak k r	4GM19CS016
12 / 20	Shwetha N	4GM19CS054
12 / 20	Raksha GM	4GM19CS044
12 / 20	Sampada	4GM19CS066
12 / 20	Kavya S	4GM19CS031
12 / 20	Sahana. D. Patil	4GM19CS12
12 / 20	Ashish	4gm18cs009
12 / 20	DIVYA SHRI KS	4GM19CS020
12 / 20	Rikhil S Jain	4GM19CS045
12 / 20	Shilpa G R	4GM19CS051
12 / 20	Akshatha N	4GM19CS074
12 / 20	Shamanth hs	4GM19CS048
12 / 20	Santhoshkumar k.g	4GM19CS047
11 / 20	NISHCHAL T S	4GM19CS037
11 / 20	Adeeba	4GM18CS002
11 / 20	B Tarun	4GM19CS010
11 / 20	CHETHANA H	4GM19CS015
11 / 20	Anvith	4GM19CS008
11 / 20	Ashwini. M	4GM19CS009
11 / 20	Shubha B V	4GM19CS053
11 / 20	Akash Pawar	4gm19cs003
11 / 20	Sharath A H	4GM19CS049
11 / 20	DHANUSHREE M G	4GM19CS018
11 / 20	ANANDA M N	Lateral entry
11 / 20	Sp Suchetha	4GM19CS058
10 / 20	Bhoomika G H	4GM19CS011
10 / 20	M Jnananidhi	4GM19CS032
10 / 20	Nehal G	4GM19CS036
10 / 20	NANDITHA M N	4GM19CS035
9 / 20	Sowbhagya v kini	4GM19CS057
9 / 20	Umar faruq	4GM19CS064
9 / 20	MANDARA S	4GM19CS033

Pre Test Report- Quiz on C

Score	Your Name:	USN
16 / 20	Sunad R Gundagatti	
15 / 20	Bhoomika R G	4GM19CS061
15 / 20	Spoorthi Rani N	4GM19CS012
14 / 20	Anusha Aralalli	4GM19CS059
13 / 20	Adarsha M V	4GM19CS005
13 / 20	Divya Ramesh Bhat	1ap08cs024
13 / 20	Ankitha Patel TC	4GM19CS019
13 / 20	Prarthana B G	4GM19CS004
13 / 20	Haritha	4GM19CS041
13 / 20	Pavan KS	4GM19CS024
13 / 20	Shreya B T	4GM19CS039
13 / 20	Harsha V H	4GM19CS052
13 / 20	ANUSHREE P L	4GM19CS025
13 / 20	Anushree A.T	4GM19CS007
13 / 20	Pranati R	4GM19CS006
13 / 20	Prathibha P	4GM19CS040
13 / 20	Suchith.v.s	4GM19CS042
13 / 20	Suchith.v.s	4GM19CS060
12 / 20	Meghana M R	4GM19CS034
12 / 20	Prithviraj L Hulgur	4GM19CS043
12 / 20	Hemanth RK	4gm19cs028
12 / 20	Deepak k r	4GM19CS016
12 / 20	Shwetha N	4GM19CS054
12 / 20	Raksha GM	4GM19CS044
12 / 20	Sampada	4GM19CS066
12 / 20	Kavya S	4GM19CS031
12 / 20	Sahana. D. Patil	4GM19CS12
12 / 20	Ashish	4gm18cs009
12 / 20	DIVYA SHRI KS	4GM19CS020
12 / 20	Rikhil S Jain	4GM19CS045
12 / 20	Shilpa G R	4GM19CS051
12 / 20	Akshatha N	4GM19CS074
12 / 20	Shamanth hs	4GM19CS048
12 / 20	Santhoshkumar k.g	4GM19CS047
12 / 20	NISHCHAL T S	4GM19CS037
11 / 20	Adeeba	4GM18CS002
11 / 20	B Tarun	4GM19CS010
11 / 20	CHETHANA H	4GM19CS015
11 / 20	Anvith	4GM19CS008
11 / 20	Ashwini. M	4GM19CS009
11 / 20	Shubha B V	4GM19CS053
11 / 20	Akash Pawar	4gm19cs003
11 / 20	Sharath A H	4GM19CS049
11 / 20	DHANUSHREE M G	4GM19CS018
11 / 20	ANANDA M N	Lateral entry
11 / 20	Sp Suchetha	4GM19CS058
11 / 20	Sp Suchetha	4GM19CS011
10 / 20	Bhoomika G H	4GM19CS032
10 / 20	M Jnananidhi	4GM19CS036
10 / 20	Nehal G	4GM19CS035
10 / 20	NANDITHA M N	4GM19CS057
9 / 20	Sowbhagya v kini	4GM19CS064
9 / 20	Umar faruq	4GM19CS033
9 / 20	MANDARA S	4GM19CS017
9 / 20	Deepika D	4GM19CS062
9 / 20	THANUSHREE HR	

9 / 20	Soumya PF	4GM19CS056
9 / 20	Bhargavi.M	4GM19CS12
9 / 20	Chandan cj	4GM18CS012
9 / 20	Vishnu pk	4gm18cs063
8 / 20	Thrupthi H	4GM19CS063
8 / 20	Divyashree H R	4GM19CS021
8 / 20	Vandana G N	4GM19CS065
8 / 20	Harshitha H B	4GM19CS026
8 / 20	Simran koul	4GM19CS055
8 / 20	Kiran G.C	4GM18CS026
7 / 20	Sahana J Y	4GM19CS046
7 / 20	Pavan cs	4gm19cs038
6 / 20	Abhishek Gc	4GM19CS002

Timestamp	Username	Total score	Full Name	Full Name Full Name USN	USN [Score USN [Feed 1] Who is t
2021/01/2'	harithak1904@	12.00 / 30	Haritha	--/0	4GM19CS024 --/0
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2021/01/2'	truptidhanu16	11.00 / 30	Thrupthi H	--/0	4GM19CS063 --/0
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2021/01/21	spsuchetha20	15.00 / 30	Sp	-- / 0	4GM19cs058	-- / 0	Dennis Ritc



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Fax: 08192 - 233344 Website: www.gmit.info, www.gmit.ac.in, e-mail: info@gmit.info, info@gmit.ac.in



with B++ Grade

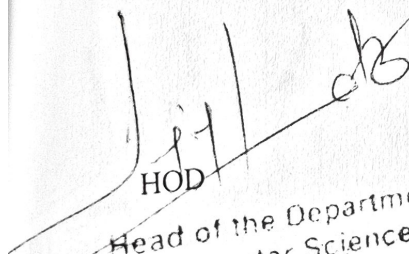
Department of Computer Science and Engineering

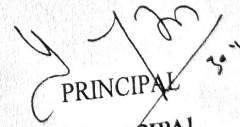
Accredited by NBA, New Delhi (valid upto 30.06.2022)

Date: 30-01-2021

LETTER OF EXCELLENCE

This is to certify that **DHANUSHREE M G [4GM19CS018]** of 3rd semester Computer Science & Engineering Department has been awarded in 2nd position for the Quiz conducted in Google forms. The post quiz was conducted as a part of in Five day hands on programme on "C Fundamentals & Its Applications" during 18th to 22nd Jan 2021.


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Head of the Department
Dept. of Computer Science & Engg
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Fax: 08192 - 233344 Website: www.gmit.info, www.gmit.ac.in, e-mail: info@gmit.info, info@gmit.ac.in,



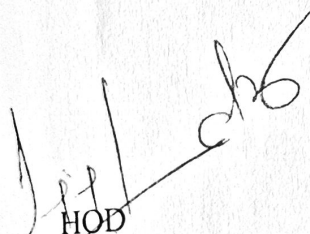
Department of Computer Science and Engineering


Accredited by NBA, New Delhi (valid upto 30.06.2022)

Date: 30-01-2021

LETTER OF EXCELLENCE

This is to certify that **UMAR FARUQ [4GM19CS064]** of 3rd semester Computer Science & Engineering Department has been awarded in 1st position for the Quiz conducted in Google forms. The post quiz was conducted as a part of in Five day hands on programme on "C Fundamentals & Its Applications" during 18th to 22nd Jan 2021.


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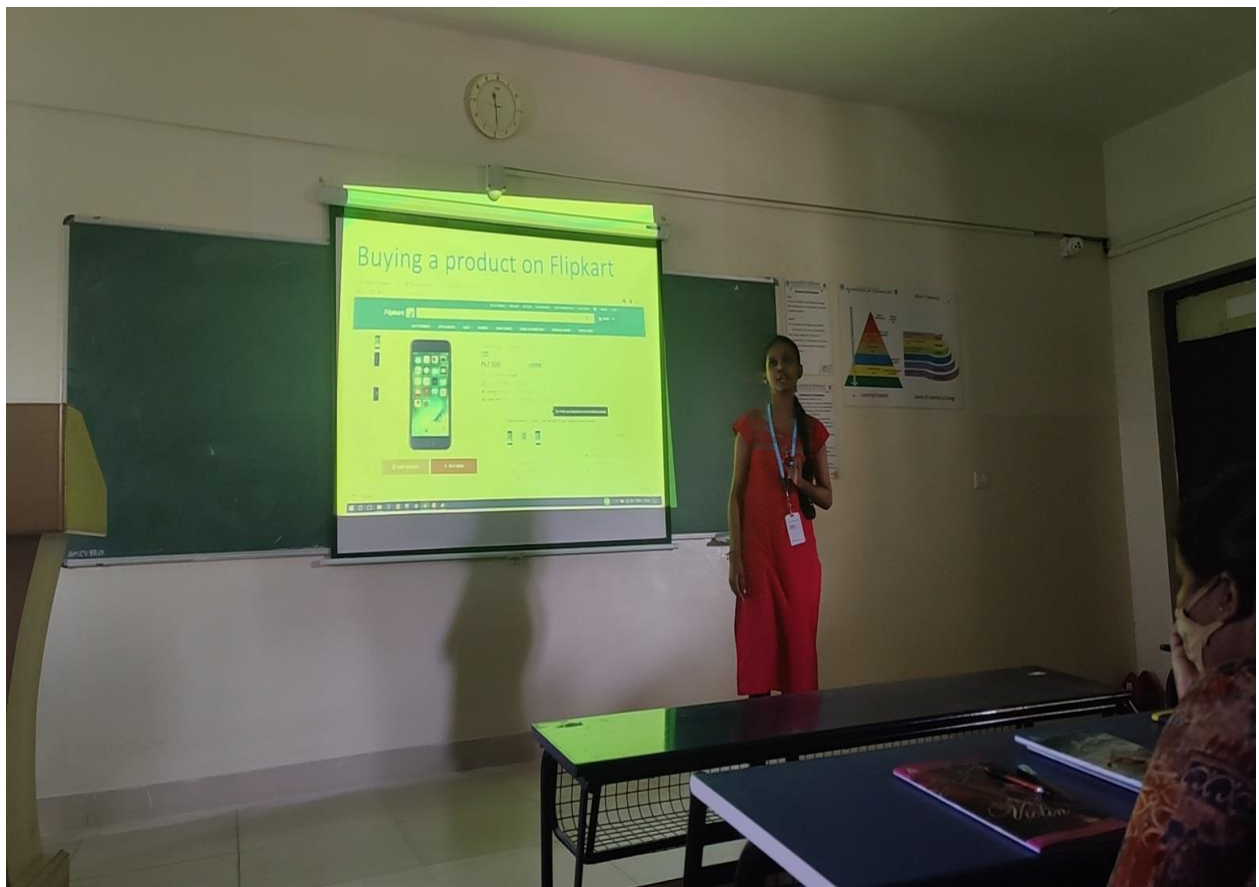


Management & Entrepreneurship for IT (18CS51)

Activity: Case Study Presentation













Course Coordinator

HOD

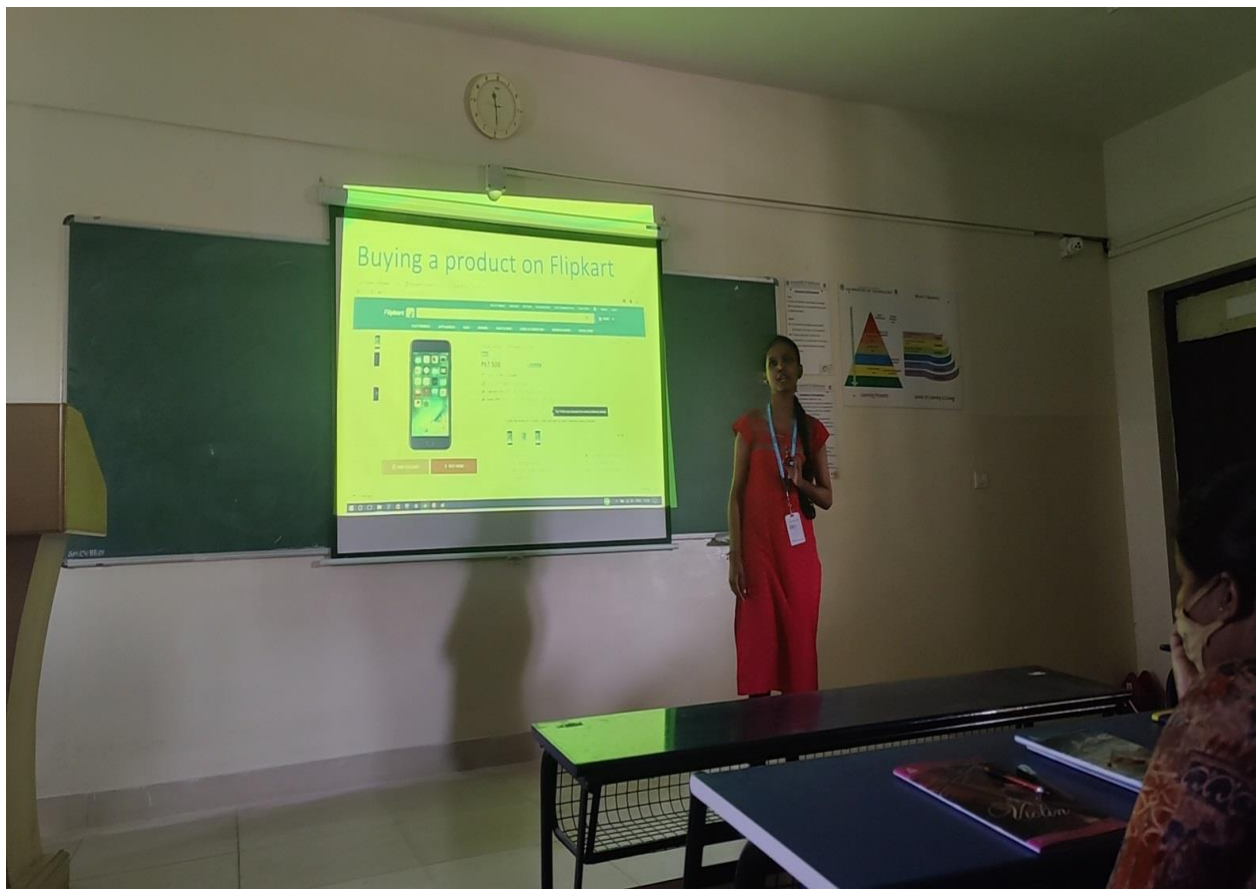


Management & Entrepreneurship for IT (18CS51)

Activity: Case Study Presentation

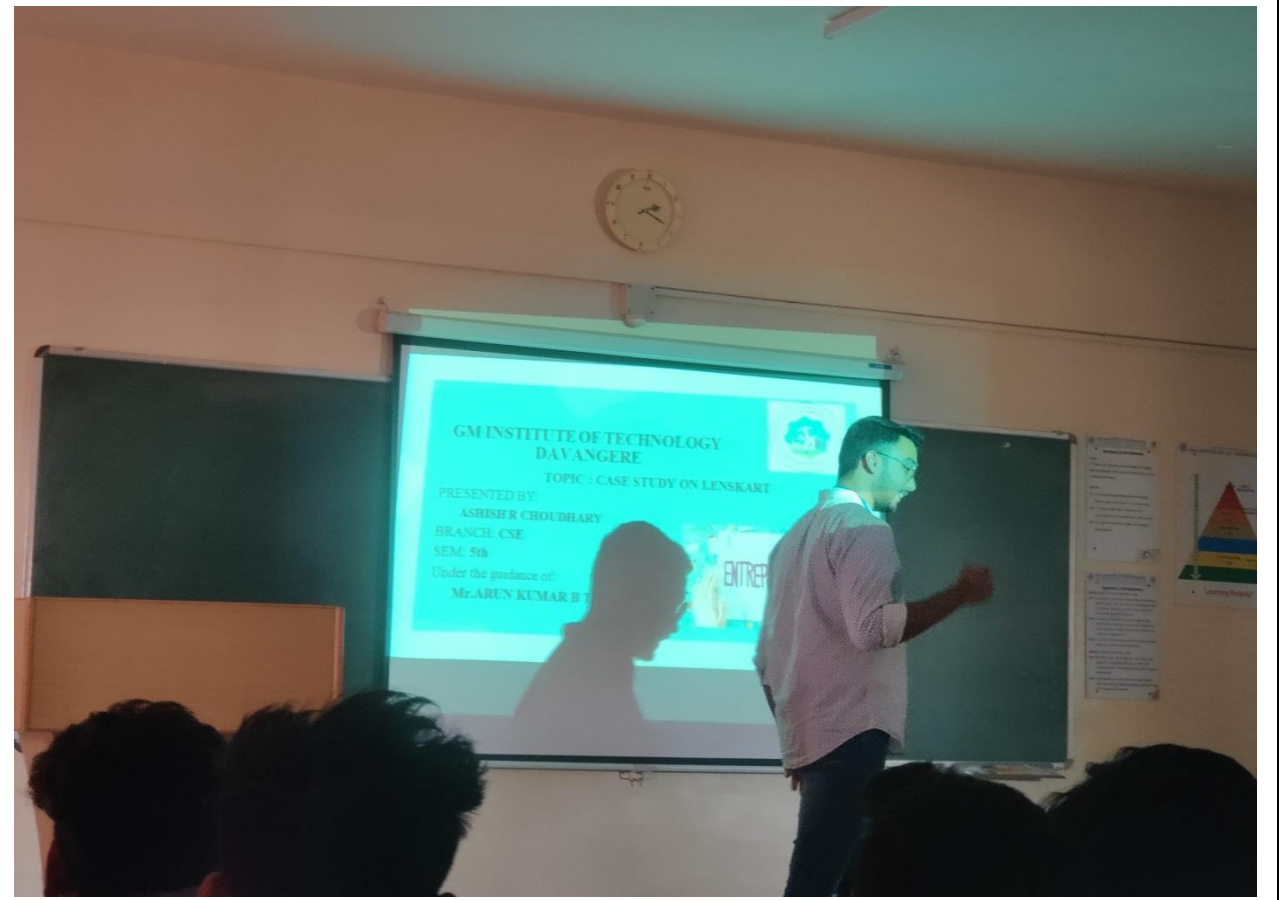


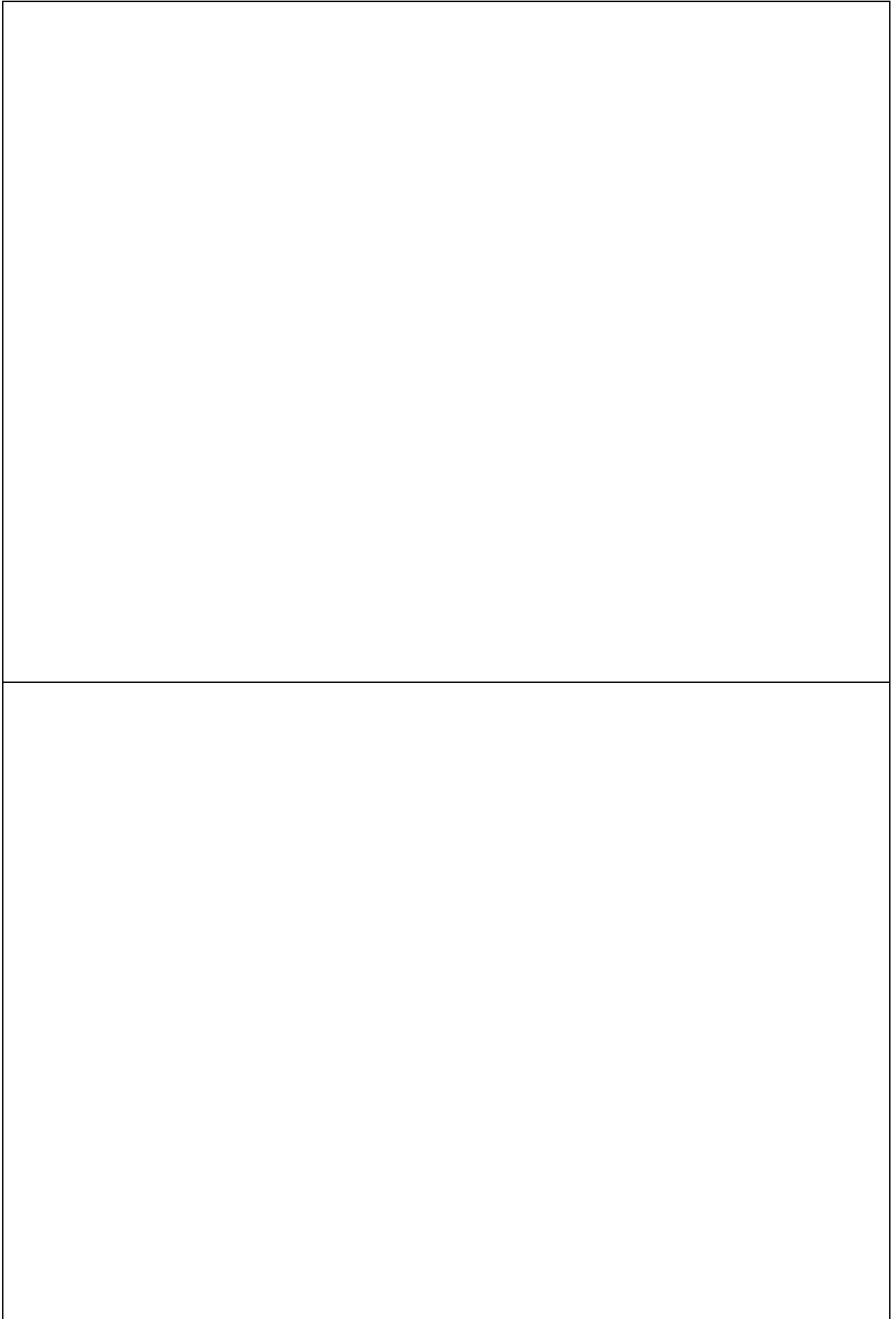














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Report on
International Day of YOGA -2021
21-06-2021

Co-ordinated By:-

Mr. Santoshkumar M

Mr. Kobeshi S N

Mr. Manethi S T



Report on International Day of Yoga 2021 Celebration

Circular on celebration of International Day of Yoga 2021 (on 21-06-2021) by the department was circulated among students and faculties via WhatsApp groups. Students from 4th 6th and 8th were participated actively and uploaded the photos of the Yoga poses on that day. Not only students, our department faculties were also participated in the event. The event photos were collected through google form and prepared a video of all photos and circulated among students. The same event information is published in our college newsletter "GMIT Reflection" July 2021 issue. Event was coordinated by Mr. Santoshkumar M and Mr. Kotreshi S N and Mr. Maruthi S T.

This report includes **circulars**, **Photographs** and screenshot of **newsletter**. We also attached **excel sheet** consisting of list of students and faculties participated in the event.

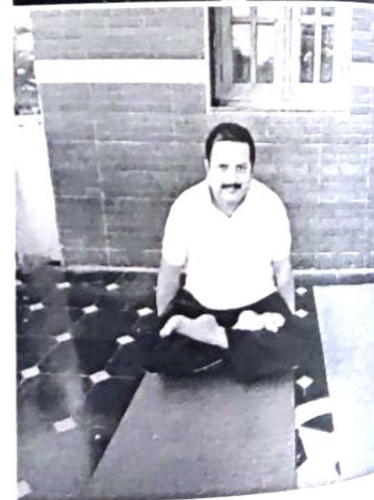
Circulars to 4th, 6th and 8th semesters WhatsApp group and CSE official group.

The image displays four screenshots of WhatsApp circulars. Each circular is titled 'Circular' and contains the following text: 'All the Students and staff of CSE are hereby informed to participate in International Day of Yoga which is on 21-06-2021, Monday, from home. In this regard each individual has to do at least one Asana listed below and submit the photo of your pose in the given google form within 8am. Photos will be shortlisted for publication in department and college magazines. The sample copy of photo is attached.'

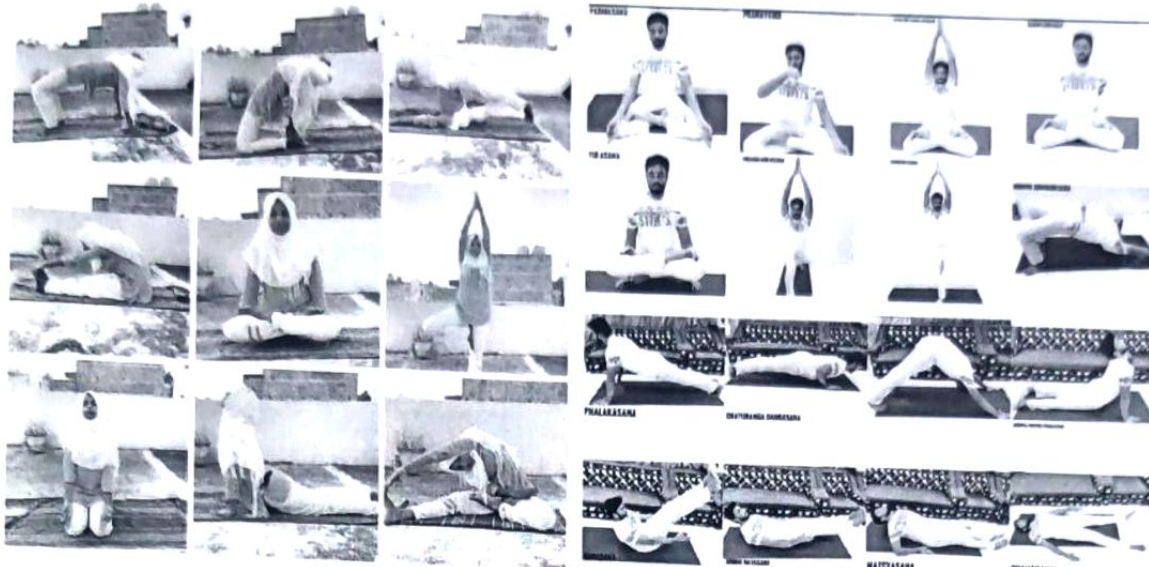
The circulars list 12 Asanas in Kannada: 1. Tadasana (ಆರೂಢಿ), 2. Ardha Kati Chakrasana (ಅರ್ಧ ಕಾತಿ ಚಕ್ರಾಸನ), 3. Vrikshasana (Both legs) (ವೃಕ್ಷಾಸನ), 4. Virabhadrasana - II (ವಿರಾಭದ್ರಾಸನ), 5. Padmasana (ಪದ್ಮಾಸನ), 6. Ushtrasana (ಉಶ್ತ್ರಾಸನ), 7. Mandukasana (ಮಂಡುಕಾಸನ), 8. Vakrasana (Both side) (ವಕ್ರಾಸನ), 9. Sethu Bandhasana (ಸೆತು ಬಂಧಾಸನ), 10. Sarvangasana (ಸರ್ವಾಂಗಾಸನ), 11. Bhujangasana (ಭುಜಂಗಾಸನ), 12. Dhanurasana (ಧನುರಾಸನ).

The 4th Sem CSE 19 batch circular also includes 'Event Coordinators: Santoshkumar M, Kotreshi S N', 'Forum Coordinator: Maruthi S T', and 'Head: Dr Sanjay Pande M E'. The 8th Sem CSE circular includes 'Lastly perform: Shavasana (ಶವಾಸನ)'.

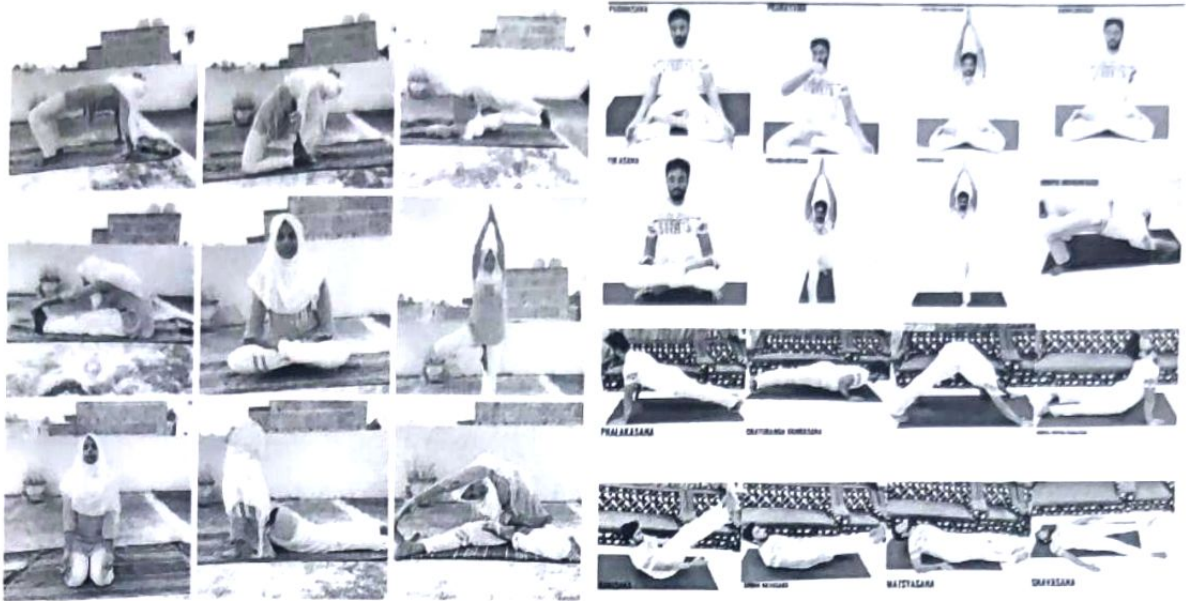
Faculty photos:



Student photos:



Student photos:





Thippeswamy G N. System Analyst, GM Institute of Technology has offered an online talk on "Search Engine Optimization" to the audience community connected to Research Scholars, Job Seekers in Digital Marketing, m. BSc. BCA. BE. and II PU students. This event was organized by GMHPU college, Davangere on 27th May 2021.



Internship at Siemens Technology and Services Private Ltd. : Siemens is a technology company focused on industry, infrastructure, transport, and healthcare. Our department students Ms. Suchitra Hiregowda, Mr. Aamir Maqbool, and Ms. Rashmi Khamithkar have completed a special internship program in Siemens Technology Services Private Ltd. Our students from 6th sem had undergone an interview, these three were shortlisted and joined as an internee in March 2021 and completed their four months internship in June 2021. They worked on the project "Vulnerability Assessment and Penetration Testing (VA PT)" using open source tools and submitted five different types of reports. During the final presentation experts from Siemens were very much appreciated their work.



Mrs. Shobha Patil, Alumni of GMIT and Founder of BPA Labs, had given constant support in getting this opportunity to our students. Our Principal Dr. Y Vijayakumar encouraged us to promote this special activity for the benefit of students.

Department Head Dr. Sanjay Pande M B, Internship Coordinator Mr. Kotreshi S N, and all faculties congratulated the students.

Project Team Selected for I2CONNECT Exhibition by IEEE Bangalore Subsection :

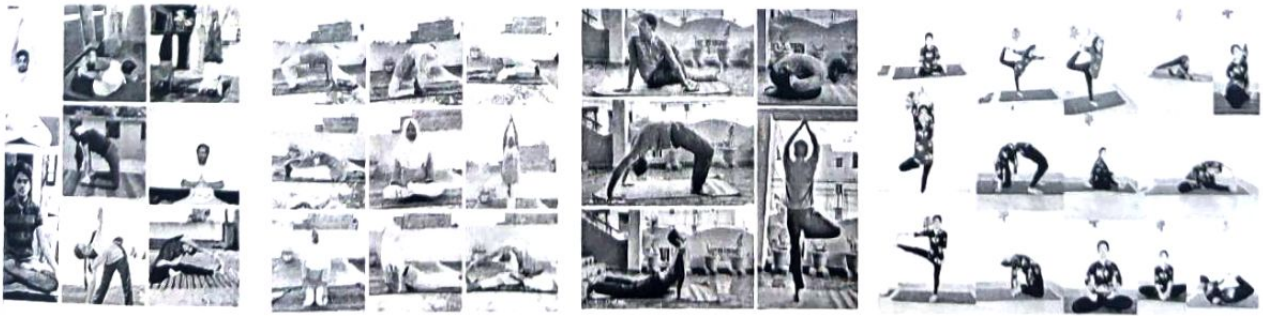
Project entitled "ROBOT BASED PATIENT DATA MONITORING SYSTEM" selected for the final round of the project exhibition and competition, Virtual mode I2CONNECT, conducted by IEEE Mangalore Subsection in Sahyadri College of Engineering.

The project team guided by Mr. Kotreshi S N and team members Ms. Anusha M H (4GM16CS003), Revathi K R (4GM16CS037), Amulya C J (4GM17CS003), Rashmi M C (4GM17CS025).



International Day of Yoga -2021 from FALCON CLUB :

Our department as a part of the FALCON CLUB activity celebrated International Day of Yoga on 21st June 2021. Our department made an announcement to our students and faculty to perform Yoga from their homes. Also, we asked to take photographs of the poses and upload those photos through a prepared Google form. Many students and faculty actively participated and uploaded photos. This event was coordinated by Mr. Santoshkumar M, Mr. Kotreshi S N, and Mr. Maruthi S T.



Timestamp	Email Address	Your Name (CAPITAL)
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6/17/2021 12:45:49	4gm18cs067@gmit.ac.in	VISHWAS M N
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6/21/2021 7:02:59	sandhyasavanur@gmit.ac.in	Sandhya R Savanur
6/21/2021 7:12:36	dishamj15@gmail.com	DISHA M J
6/21/2021 7:26:09	santoshkumarm@gmit.ac.in	Santoshkumar M
6/21/2021 7:33:26	sushmasg@gmit.ac.in	Sushma S G
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6/21/2021 8:03:22	yashas_18cs064@gmit.ac.in	YASHAS R
6/21/2021 8:05:56	4gm19cs026@gmit.ac.in	Harshitha H B
6/21/2021 8:06:48	4gm19cs055@gmit.ac.in	SIMRAN KOUL
6/21/2021 8:44:08	mounesh.cs@gmit.ac.in	MOUNESHACHARI
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6/21/2021 9:01:47	ishika26jain@gmail.com	ISHIKA V JAIN
6/21/2021 9:26:05	Rudreshnc@gmit.ac.in	Mr. RUDRESH N C
6/21/2021 9:59:42	gaganams552@gmail.com	Gagana M S
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6/21/2021 20:06:01	shrigandhamh@gmail.com	SHRIGANDHA MH



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Lock-Down Activities-2021

Prepared by:

Mr. Rudresh N C

Asst. Professor

Dept. of CSE

GMIT, Davangere-06

Email: Rudreshnc@gmit.ac.in

CONTENT

1.	Conducted Webinar on “IOT and its prototypes”
2.	Paper published in international journal (IJCESR)
3.	Paper published in the conference ICETSEM-2021
4.	Member of Organizing committee –ICETSEM-21
5.	Department Website Updation
6.	Pre-test and Post-test Counseling
7.	Webinar Attended on NEP(National education policy)
8.	Online IA-1 and IA-2 Invigilation
9.	BDA and SS&C Assignment questions
10.	Admission co-coordinator work of AI&DS



1

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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Activity Report

Activity: Webinar
On
“IOT and Its Prototypes”

Date of Conduction: 28-05-2021

Beneficiary: 6th and 8th semester students of CSE

Coordinator: Mr. Rudresh N C

Asst. Professor

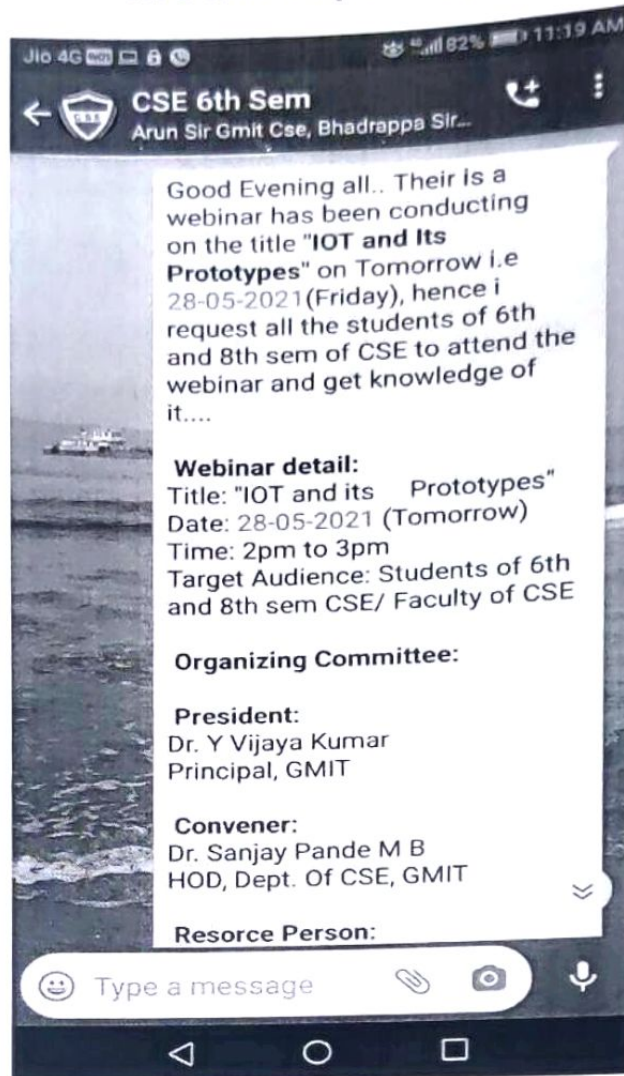
Dept. of CS&E

GMIT, Davangere-06



Conducted a Webinar on Date: 28-05-2021

“IOT and Its prototypes”



Invitation of Webinar

Activity: Webinar on “IOT and Its Prototypes”

Resource person: Mr. Karibasavaraju

Director

SumukhaInfotech.

Davangere-04

Coordinator:Mr. Rudresh N C

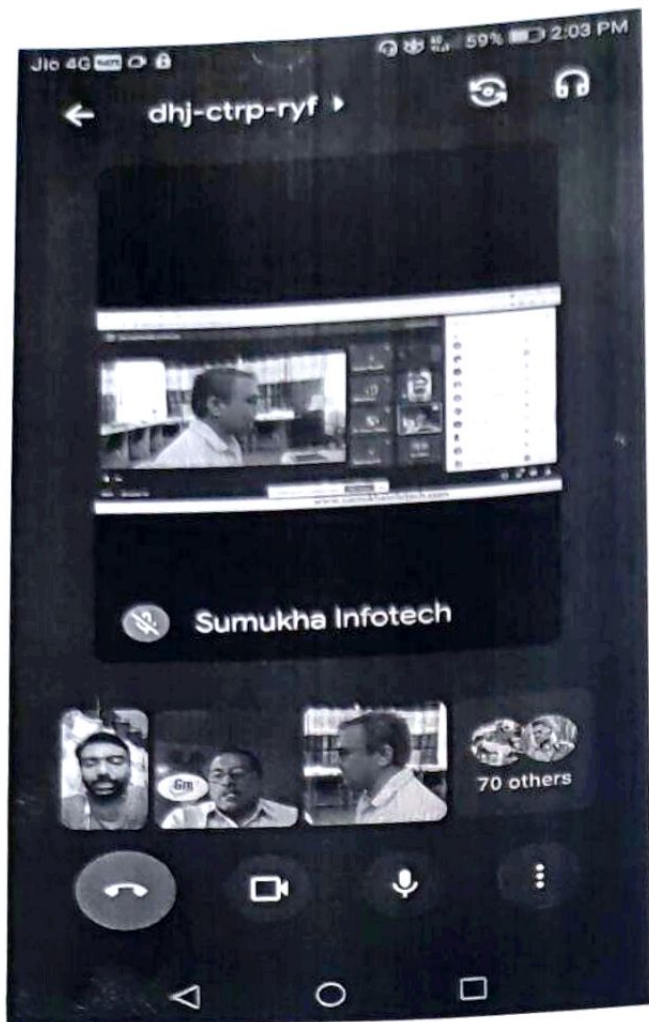
Asst. Professor, Dept. of CSE, GMIT



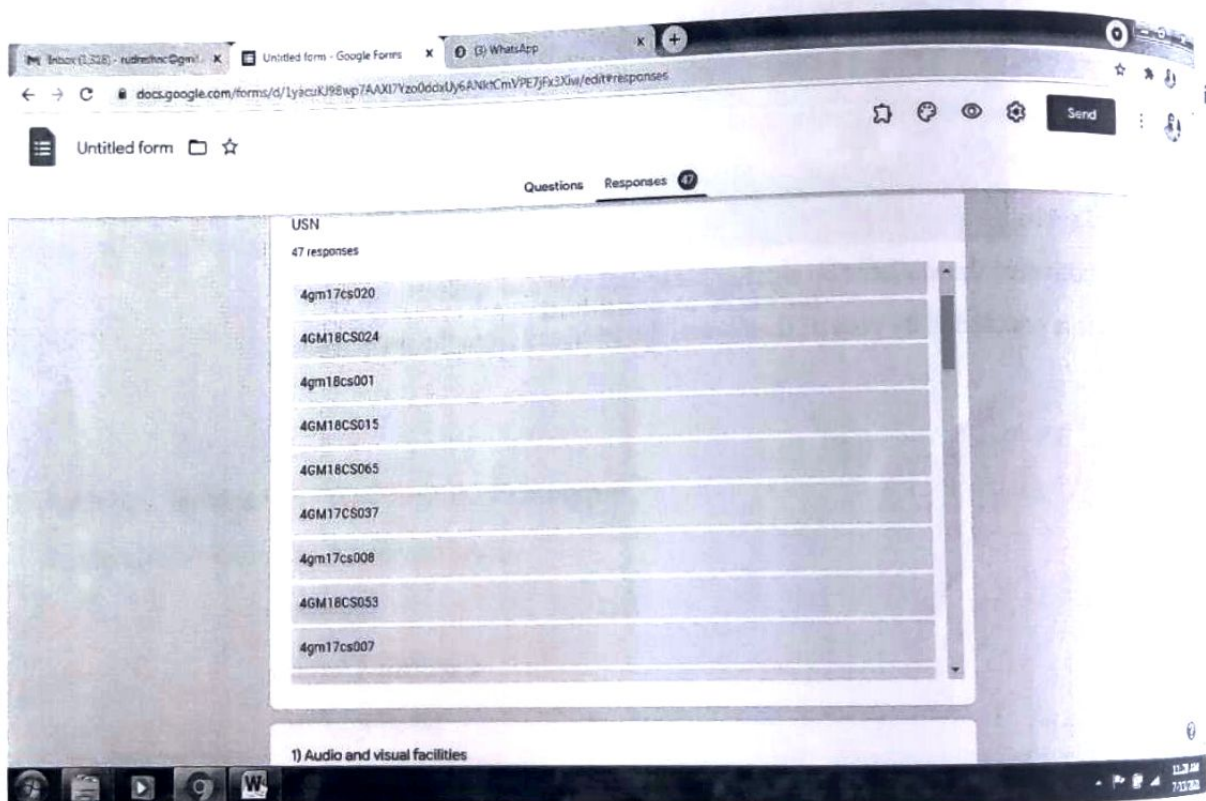
Interaction between Resource person and the Principal

Mr. Rudresh N C, Asst. Professor, Dept. of CSE, has organized a webinar on “IOT and its Prototypes” as forum activity on 28-5-2021 (Friday), Speaker Mr. Karibasavaraju, Director- SumukhaInfotech, Davangere briefed about the current trends on IOT and its benefits also shared knowledge on different sensors and its applications executing simple programs using ESP-32 development board. Also he explained simple example programs for finding moisture using required hardware and software’s. Students of 6th and 8th semesters were attended the webinar and reaped the benefits. Presidential speech was given by beloved principal Dr. Y vijay Kumar, and professor and head Dr. Sanjay Kulkarni was addressed and motivated the students by sharing his knowledge and applications of IOT.

Finally, the webinar is concluded by vote of thanks and the feedback from the participants.



Around 70 members are participated





Feedback given by the students at the end of the webinar (Sample copy)

Coordinator

Mr. Rudresh N C

HOD

(Dept. of CSE)



NEW MACHINE LEARNING METHOD FOR IMAGE BASED DIAGNOSIS OF COVID-19

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Abstract: COVID-19 is a global epidemic as declared by the world health organization (WHO) IN March 2020, Techniques, Machinery and Training (ML) can play an important role in some areas. COVID-19 patients with a visual analysis of chest x-ray. In this article, a new MULTILEVEL method we propose to classify chest x-rays in the two sub-groups: patients with COVID-19 and non-COVID-19-person. In particular, an organic and chest X-ray with the new, the fraction of x-ray is carried out. Multichannel Exponential time (FrMEMs). In parallel, multicore computing the structures, which is used to speed up the design process. After editing, the Manta-Only Diet optimization based on differential evolution is used to select the most important features. It is proposed to the parliamentary method uses two sets of x-ray COVID-19 information. This is the method is achieved 96.09% accuracy, and 98.09% accuracy for the first and second data sets, respectively.

1. Introduction

COVID-19 is a global problem that must be solved by scientific methods.Toanalyze the medical images is a well-known method that may be useful in the diagnosis of COVID-19.The severe acute respiratory syndrome (SARS), and COVID-19 belongs to theto the coronavirus family, in which several methods are used in order to detect cases of SARS, with the help of pictures[1-3], and in order to determine the events of the other [4]. Target has shown a high level of performance for a wide range of applications, view, analyze, and want toimages [5, 6], image classification [7], and

image segmentation [8]. To classify the images through the import of selected images with the help of a description (e.g., SIFT [9], and the picture the moment [10]), and these features can be used to classify the data with the help of these regulations as SVM [11]. In difference from functions, the hand-made methods which are based on a deep neural network", [12], which provides high performance in the classification of images according to the extracted features. According to the characteristics of the ML degree of effort, the use of machinery, equipment, education and training, in order to classify chest X-ray is a picture of the class of patients with COVID-19, in class, in the normal case. All of these experiments are based on a deep learning approaches. For example, the author of A CNN-based model is proposed for the auto-diagnosis of COVID-19, the use of more of the p-a chest pictures[13]. Their accuracy of correct classification is 96.78%, and with the help of the MobileNet architecture [13]. In the same way,the studies [14] the use of transfer learning. As you well know,thethe accuracy level of 97% and 87% accuracy for the InceptionV3, and 87% of the start-ResNetV2, respectively. Recently, the orthogonal moments and their variations have been a powerful tool which is used in many of the image processing and pattern recognition applications. Apples to the actual use of the time photos -to successfully describe several applications [15] [16]. For example, you can combine the orthogonal while in the Arctic, the non-linear quaternion transformations, with real estate optimization algorithms, in order to present theand choose the features that have been successfully describe

the colors in the images classification [17]. The motivation behind this work is to provide an accurate method for classification of COVID-19. My head in his chest is because of the combination of the strengths of the two approaches. First of all, a new FrMEMs the image descriptor. On the other, the better the lure of choice of methodology, which is based on feeding the manta rays The optimization and the Differential Evolution (MRFODE). In this paper, we propose a classification method, an x-ray image of the breast by COVID-19. The proposed method receives a character on the x-ray images of the breast using the FrMEMs moment. Following these features are divided into a test and a training package. If you are using the MRFODE algorithm is used to reduce those features, and to remove irrelevant features. This is the process of generating a number of solutions, and the design of the matching value each and every one of which is used for the KNN classifier training, which is based on the set of the determination of the very best of them. The MRFO operators, which can then be applied in the exploratory phase of the project, but during the operational phase the probability that each solution is calculated with the aid of his expenses-defined goals. According to the criteria presented here, the solution is up to date and using either a filter or with the help of the MRFO players. The process in order to update the state's decisions in the terminal, the terms and conditions have been met. The best solution will be to use the to remove the irrelevant features as the test set and calculate the COVID-tags, 19a set of image data. \

The main contributions of this research is:

1. The proposed classification method of COVID-19 will depend on the properties of the orthogonal now it has, and the feature selection methods.
2. Get the new FrMEMs management of the kit, in order to infer the signs of COVID-19 Photo by.
3. Development of a new method for selecting features based on that, to improve the behavior of this indicator. Power optimization (MRFO), with the help of a differential equation (DE).

4. The commandments of the effectiveness of the proposed models, two sets of ray COVID-19 information.
5. The results of the comparison with other methods, the feature selection and DNN based methods.

The organization of this work are as follows: section 2, was used in the model FrMEMs, and the cinema of azerbaijanilham optimization algorithm is presented. Experimental results.

The proposed models are discussed in section 2.

2. The proposed classification method based on Image

Image moments and how to determine the projection of the function of a photo of a polynomial basis, in which the moments are the photo is based on the use of global and local features, which of these images represents the time [18]. Usually, the projections of digital images, the use of orthogonal polynomials with fractional orders, which results in the orthogonal moments of the fractional-order can take up a lot of the coarse and of the fine features one of the most of the digital image inputs. For this paper, a new technique, which is orthogonal exponential moments of the fractions of the order. When such a type of is to use a high-precision 961-object, each and every one of them. Enter the COVID-19 out of the picture. The internal features of the this picture is of the following:

1. This is orthogonal moments and is capable of successfully representing digital images a great style.
2. Orthogonal moments, which are invariant to geometric transformations, what is an attribute for the classification and reporting of a program that is not a problem.
3. Orthogonal to the moments of the continuous noise.
4. A fast and low-cost design, and requirements in order to make them available for real-time applications.

2.1. Feature extraction

features that start at the initial set of measured data, and generates the derived values (features intended to be informative and to be unemployed, the simple, the later stages of the study as well as the pressure and, in some cases as a result the best of the human interpretation.

Apple, the sign is associated with a decrease in the size of the.[1]

Once the algorithm, the input data is very large for this process, and it is assumed that they are not needed (for example, on the same footing-foot distance, or to change the images, represented as pixels), and they may be a reduction in the number of features (also referred to as the direction of the functions). To define the fundamental, the first object is called the object of choice.[2]. It is expected that the selected item (s) that will contain the relevant information in a post, so that the position can be carried out with the help of this shortened show, instead of the complete core tasks.

2.2. Parallel implementation

In the parallel implementation, this trend over the past few years, has been used in order to speed up the computationally intensive photography, in particular to frames, which are of large size and the high level of the order of the day. Create a new parallel architecture enriches the process of achieving this goal. Qin et al. [26] proposed a parallel recurring method, in order to speed up the process of Zernike moments. In this context, the Dan and so on. [27] extended the experience of the Software, and to his colleagues. They're from a parallel the design and methodology of the time and the image reconstruction is based the Zernike moments. Recently, Salah, and others. [28] proposed a parallel computational method for velocity up the calculation process of the polar to non-linear changes in the whole of your order. In this direction, we have proposed a parallel implementation of the FrMEMs in New York city and processors The Processor architecture. This is a parallel application, it is impossible to cope with the increase in the number of chest X-ray datasets. FrMEMs consists of $(p_{max}+1) \times (q_{max}+1)$, now a component. This is the calculation of the components, and they are independent. Each component has a specific speed, a unique combination of p-and q-values. For example, the deficit, and almost from the moment of the appearance of 536 of the individual components, for the time being. Photo by. 1 shows, in parallel, from the FrMEMs of the moment. The Multi-core The processor features four cores, each and every one of the main compute part of the component, which for the time being.

2.3. Feature selection

In this section, we present a modified Manta Ray, search engine optimization (MRFO), based on the The Differential evolution (DE) as a function of the choice of the method used. However, the source and the MRFO THEY are the first.

2.3.1. To optimize the feeding of these (MRFO). In general, MRFO apes

The behavior of the three streams, including: the cyclone feed, the Chain of animal feed, animal feed, and tumbling[29]. A detailed feeding conditions can be found in the following sub-sections. Feed. This MRFO the food chain is formed by means of a line, and thus it is "in general, the tail". Also, for each agent, and except for the first one, that was happening in the direction of the food and the agent in front of you, does it mean that it is the current agent $x(t)$, $I = 1, 2, \dots, N$, repeat the (h) to be updated on the basis of the agent and the agent is in the past. This is the process that 12.3.3 or later. MRFO the analysis is based on the function of the selection of THE wall. In this section, is used to prepare For a classification model, the x-ray image of COVID-19 and based on the extract of the selected FrMEMs and executing the latest version of the MRFO, based on THE known as the MRFO DE will be presented. The first method starts with both COVID-19 and Non-COVID-19-the input image, with the help of the FrMEMs. After that, MRFO DE to create a set of agents, each and every one of them solves the FS, the data are a subset of the selected function. Following the calculated fitness value for each agent, displays the quality of the selected the character equivalent to the logical version of each agent. The best agent of the The best of the fitness of an agent is determined, and the built-in MRFO configuration statements used in updating process. When the terminal state is checked (if it is reached). Finally, they will continue to operate, update, and repeat the process. The key step of the COVID-19 prevention image classification has three steps, in detail, every step is covered separately alt. The first step is to introduce the x-ray pictures are taken after the FrMEMs to apply a function to the D these images,. Performed, the object is divided into two kinds of education, training, and cumulative tests, which account for 80% and 20%, respectively, of the total number of photos,. Feat This the sigmoid function is

applied, as it provides better performance than the traditional A logical strategy. In accordance with the definition, which is modeled in equation (22). Important binary solutions represent the features that should be chosen, and it is not to be taken away according to the null value.

Algorithm 1. Proposed MRFODE feature selection method.

1. Input: Extracted features from COVID-19 x-ray images
2. Set the initial value for the parameters of MRFODE.
3. Split features into two training and testing sets
4. Generate a set of N agents (X).
5. Using Eq (23) to compute the fitness function of x based on the training set.
6. Find the best solution x
7. While (terminal condition not reached).
8. Using Eq (22) to convert each x to binary.
9. Using Eq (23) to compute the fitness function of each x
10. Find the best solution x
11. For $i=1:N$
12. If $rand < 0.5$ best
13. If $t/T < rand$
14. Using Eq (14) to update x
15. Else
16. Using Eq (16) to update x
17. END IF Cyclone foraging
18. Else
19. Using Eq (11) to update x
20. END IF
21. END-FOR
22. For $i=1:N$
23. Compute the probability using Eq (24)
24. If $Pr < 0.5$
25. Update x using MRFO.
26. ELSE
27. Update x using DE.
28. END-FOR
29. $t = t + 1$
30. End While
31. Reduce the testing set according to x , and using KNN to predict the target.
32. Evaluate the quality of the model.

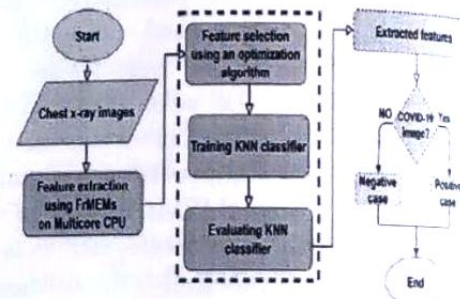
2.4. The proposed model summary

In order to classify chest X-ray images complete all of the components of the model. Input Data for the classifier is a series of photos of the two

of categories: COVID-19 and in the normal case. In parallel, the FrMEMs in New York and processors getting the drawing of features. Then, an optimization algorithm is used in order to make use of the objective. Finally, the most skilled and the selected group.

3. The Experiment

Section 3.1. Data For this study, we used different sets of data. The first set of data have been collected by Joseph Cohen, Morrison, and Lan Tao on GitHub [31], and photos of for 43 days. The links to each and every image contained in the metadata. The pictures are normal, and inflammation of the lungs, the virus was the database of chest X-ray images (pneumonia) [32]. It contains 200 Positive images of COVID-19 and a collection of the Twitter account of the Italian cardiothoracic radiologist, 1675, the negative images of COVID-19. The Data was collected from a retrospective cohorts of pediatric patients, in the year, for five years, and the Women, and kids Guangzhou Medical Center. We are saying that this is for a set of data is the data set-1. Another set of data that has been collected by a team of researchers from Qatar University, Doha, Qatar, and the University of Dhaka, Bangladesh, in conjunction with their counterparts in Pakistan.



and in Malaysia, in collaboration with a doctor, asadova, moody's opinion, the husband of [33]. Add it to the [31] and [32] for there are more photos of the Italian Society of Medical and Interventional Radiology (SIRM) COVID-19 IN THE DATABASE [34]. This information consists of, 219 positive COVID-19 images, 1,341 negative COVID-19 images. We are saying that this is for a set of data in the data set, and (2). Both the collection of information, and had many features in common when it comes to the origin of the collection. The image data sets COVID-19 were collected from the patients, aged 40 to 84 years

of age, for both men and women. This information includes the 216 to the positive COVID-19's photos, and 1,675 negative COVID-19 in the pictures. An example of such a picture, as well as the data, are shown in the image. 3.

3.2. Evaluation of the proposed model

The paper presents the results of the proposed classification method, an x-ray image of COVID-9 in comparison with other popular methods, the name of the mentally disabled people, is being used as a FS. These methods include, among other things, contains a sine-cosine algorithm (SCA), Grey wolf optimizer (GWO), the Henry gas solubility optimization (HGSO), Keith is the optimization of the algorithm (given), and the Harris Hawks optimizer (HHO). These algorithms are used in the comparison, because the efficiency is determined the range of applications, such as global optimization methods and feature selection [35-39]. The quality of each of the FS algorithm is evaluated on the basis of three measures: the time, to the features selected, and the values that are appropriate, in which the accuracy (Acc), is defined as:

$$Acc = \frac{T_p + T_n}{T_n + T_p + F_n + F_p} \times 100$$

Conclusion

In this paper, we propose a method for the visual detection of COVID-19 cases, the chest X-ray. In order to get the functionality of COVID-19, THE X-ray image of a fractional moments (i.e. FrMEMs used). It was an improved version of the Manta Ray Feeding Optimization (MRFO) to be used as a method to select the objects that have been modified by the APPLICATION, in order to improve the ability to MRFO to find a matching object, the export of the objects. In the proposed area of The method for selecting the MRFO DE function KNN team, to make use of, regardless of whether it is the x-ray image of the chest of COVID-19, and normal. A proposal of a method that has been evaluated in two different details of the fixtures. The success of the CNN architecture, the MobileNet model is proposed the method achieved a comparative measure of the accuracy of the analysis, and the accuracy of the estimates of the features. In the proposed method, both of which

reaches the high-performance, and the resource intensity of the choice of the most important features and functions. Our future will be able to run any other programs), medical, and other relevant areas.

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(3)

International Conference on Emerging Trends in Science, Engineering and Management - 2021

15th - 16th July 2021 | GM Institute of Technology (GMIT), Davangere, Karnataka



ICETSEM-2021

21st June 2021

Letter Of Acceptance

Abstract id: ICETSEM_2006810562

Abstract Title: Image Based Diagnosis of COVID-19

Author: Mr.Rudresh N C

Co-Authors: Ms. Apoorva M R, Ms. Kavana D K, Mr. Vinayak H K, Ms. Ranjitha K R

Dear Mr/Ms Mr.Rudresh N C,

Congratulations!!

The scientific research paper reviewing committee of “2nd International Conference on “Emerging Trends in Science, Engineering and Management-2021” (ICETSEM-2021) scheduled to take place on the 15th and 16th July 2021 organized by GM Institute of Technology, Davangere, Karnataka & IFERP is pleased to inform your research paper titled “Image Based Diagnosis of COVID-19” has been accepted after our double-blind peer review process for presenting paper at ICETSEM 2021. Authors and speakers are recommended to proceed for registration to confirm their slots irrelevant scientific sessions by following the link:

<https://icetsem.net/conference-registration.php>

Acceptance Status: Yes

For further details and other affiliated journals feel free to contact us,

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Regards,
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GM Institute of Technology, Davnagere,Karnataka

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Department of Computer Science and Engineering

Accredited by NBA, New Delhi (valid upto 30.06.2022)

Date: 29-01-2021

APPRECIATION LETTER

We are thankful to **Mr. Rudresh N C**, Assistant Professor, for being a resource person in Five day programme conducted to Third semester students for enhancing the academic and programming skill of our students during 18th to 22nd Jan 2021, in "C Fundamentals & Its Applications".

Thanking and expecting your support in our future activities.

HOD

Head of the Department
Dept. of Computer Science & Engg
GM Institute of Technology
DAVANGERE - 577 006

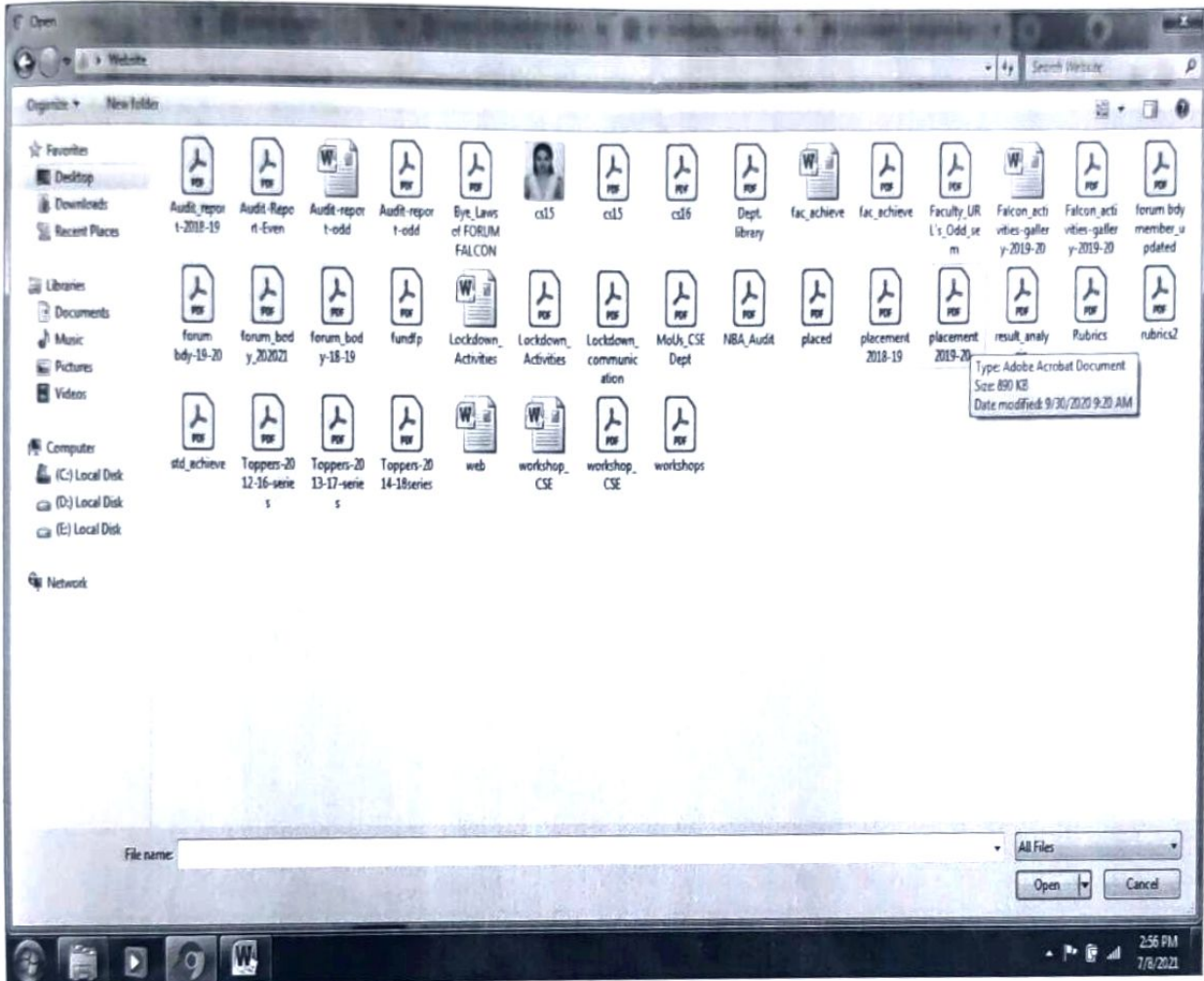
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5

Frequently Uploading files in CSE Webpage





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 DEPT. OF COMPUTER SCIENCE AND ENGG

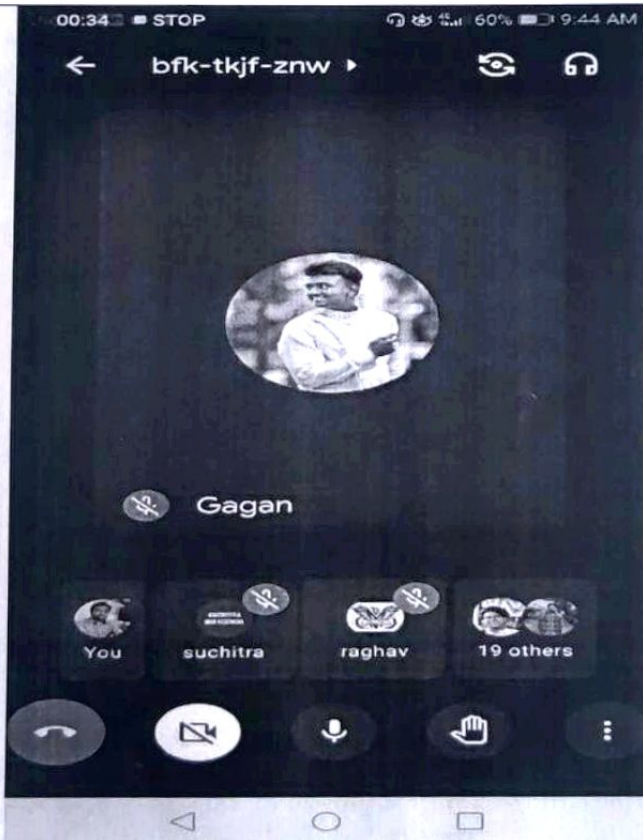


QMP 7.5 R/J - 2 REV.0

PRE TEST COUNSELLING YEAR EVEN SEM 2021

NAME OF FACULTY: Mr. Rudresh N C
SEM: 6th sem
TIME: 9:30am to 10am
DATE: 3-05-2021
MODE: online through google meet
SYLLABUS: 2 module completed

- STUDENTS FEEDBACK :**
- 1) Discussed about MS teams Id issues for IA-1
 - 2) IA - 1 syllabus coverage of all subjects
 - 3) Feedback of all subjects
 - 4) College fees payment
 - 5) About conducting of other activities with respect to subject and beyond subject



SNAPSHOT:

Interaction with students on above mentioned points



Slrshyla Educational Trust (R), Bheemasamudra
G.M INSTITUTE OF TECHNOLOGY, DAVANGERE
DEPT. OF COMPUTER SCIENCE AND ENGG
Post-test counseling 2021



NAME OF FACULTY: Mr.Rudresh N C

SEM: 6th sem

Co-ordinator :Counselling co-ordinator for higher Semester

Summary of student FEEDBACK :

1. Post-test counselling for 6th semester group-3.
2. Informed to pay fees within this week.
3. Discussed about syllabus and subjects understanding.
4. Asked about MS Teams issues.
5. Provided guidelines on subjects like SSC and CG.

Snap shots:

The left screenshot shows a WhatsApp group chat interface. At the top, the contact name is 'rhu-qtpq-eir'. The profile picture is a large circle with the letter 'S'. Below it, the name 'SPOORTHI M S 4GM1...' is visible. At the bottom, there are icons for voice call, video call, and a list of participants including 'You', 'vijayalaks...', 'Vinay_KB', and '10 others'.

The right screenshot shows the 'About this call' screen in WhatsApp. It lists participants under two columns: 'People' and 'Information'. The list includes names and IDs such as 'snreeja 19cs404', 'shrigandha 18cs050', 'simran 18cs051', 'sindhu 18cs052', 'sohail 19cs405', 'spoorthi 18cs053', 'SPOORTHI M S 4GM1...', 'sudha 18cs055', 'Suhas NS', 'vijayalakshmi 18cs066', 'Vinay_KB', and 'vinutha 18cs062'. Each entry has a status icon (like a slash or a speech bubble) and a three-dot menu icon.



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*A Webinar on
NEP 2020 - Planning & Implementation*

Certificate of Participation

This is to certify that, **RUDRESH N C, Assistant professor of GM Institute of Technology, Davanagere** has participated in the Webinar “NEP 2020: Planning & Implementation” by Dr. K.N. Subramanya, Principal, RV College of Engineering, Bengaluru on 16th July, 2021.

B.V.

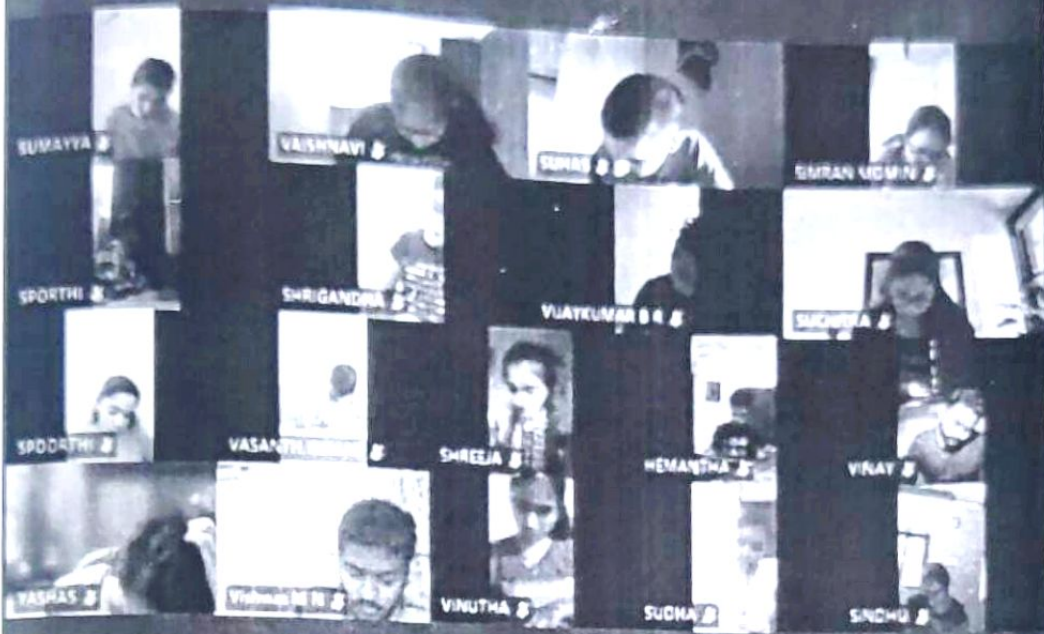
Dr. Uma B. V.

Chief Coordinator, Margdarshan Scheme

Dr. K. N. Subramanya

Principal

Dated: 17th, July 2021



Large gallery





Assignment -I

Date: 12.05.2021

All the eighth sem students are hereby informed to write the answer for the following questions in A4 sheets . scan and send as first assignment with pdf format within 17.05.2021. Send it to my email-Id rudreshnc@gmit.ac.in by saving the file name as First_Asgn_BDA_yourname.

Course Name: Big Data Analytics Code: 17CS82		Marks	CO	BT Level
1.	What do you understand by HDFS? Explain its Components with a neat diagram.	10	CO1	L2
2.	Bring out the concepts of HDFS block replications. With an example	10	CO1	L1
3.	Briefly explain HDFS Name Node Federation, NFS Gateway, Snapshots, Checkpoint and Backups.	10	CO1	L1
4.	How Does the Hadoop MapReduce Data flow work for a word count program? Give an example.	10	CO1	L1
5.	List and Explain all HDFS User commands.	10	CO1	L1
6.	How to run the basic Hadoop Benchmarks? Explain	5	CO1	L1
7.	Explain with a neat diagram parallel data flow in the MapReducing Model.	6	CO1	L1
8.	What is MapReduce Model? Write simple Mapper and Reducer Script.	5	CO1	L1

Note: The write up assignment will be evaluated by using following rubrics and final marks will be converted to 10

1. Assignments Write-up

Sl. No	Details	Marks
1	On date submission	10
2	Write-up and Neatness with sketches	10
3	Relevant and Correct answers	10
4	Completeness of the Assignments	10

Marks Distribution (Max 10)			
5	Assignments Write-up	10 -- 8	8 -- 5
1	On date submission	On date submission	One day after date of submission
2	Write-up with clear sketches	Figures with clear flow and scale (Ratio)	Figures with scale
3	Correct answers	Must be understandable and relevant to questions	Must be understandable to reader
4	Completeness of the Assignments	100% (All questions answered 10/10)	70% (Some questions are not answered 7/10)

Prepared By:

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Assignment -I

Date: 12.05.2021

All the sixth semester students are hereby informed to write the answer for the following questions in A4 sheets, scan and send as first assignment with pdf format within 17.05.2021. Send it to my email-Id Rudreshnc@gmit.ac.in by saving the file name as First_Asgn_SS&CD_yourname.

Course Name: System Software and Compiler Design Code: 18CS63	Mark s	CO	BT Level																										
1. <i>Explain</i> in detail SIC/XE machine Architecture.	10	CO1	L1																										
2. <i>Write</i> an algorithm of the Pass-1 of a two pass assembler.	10	CO1	L2																										
3. <i>List</i> the various machine independent assembler features. Explain the control-sections, how the assembler converts them into object code.	10	CO1	L1																										
4. <i>Define</i> Macro. Give the features of macro processors and explain the data structures used in macro processors.	10	CO1	L1																										
5. <i>Generate</i> the object code for the following SIC/XE source program. <pre> SUM START 0 FIRST CLEAR X LDA #0 -LDB #TOTAL BASE TOTAL LOOP ADD TABLE, X TIX COUNT JLT LOOP STA TOTAL COUNT RESW 1 TABLE RESW 2000 TOTAL RESW 1 END FIRST </pre>	10	CO1	L1																										
<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Mnemoni c</th> <th>ADD</th> <th>JLT</th> <th>LDA</th> <th>LDB</th> <th>LDX</th> <th>RSU B</th> <th>STA</th> <th>TIX</th> <th>JSU B</th> <th>J</th> <th>LDT</th> <th>CLEA R</th> </tr> </thead> <tbody> <tr> <td>Opcode</td> <td>18</td> <td>38</td> <td>00</td> <td>68</td> <td>04</td> <td>4C</td> <td>0C</td> <td>2C</td> <td></td> <td>3C</td> <td>74</td> <td>B4</td> </tr> </tbody> </table>	Mnemoni c	ADD	JLT	LDA	LDB	LDX	RSU B	STA	TIX	JSU B	J	LDT	CLEA R	Opcode	18	38	00	68	04	4C	0C	2C		3C	74	B4			
Mnemoni c	ADD	JLT	LDA	LDB	LDX	RSU B	STA	TIX	JSU B	J	LDT	CLEA R																	
Opcode	18	38	00	68	04	4C	0C	2C		3C	74	B4																	
6. <i>List</i> all assembler independent and dependent features and explain program relocation.	10	CO1	L1																										
7. <i>List</i> the functions of Pass-1 and Pass-2 of a two pass assembler.	5	CO1	L1																										

Note: The write up assignment will be evaluated by using following rubrics and final marks will be converted to 10

1. Assignments Write-up

Sl. No	Details	Marks
1	On date submission	10
2	Write-up and Neatness with sketches	10
3	Relevant and Correct answers	10
4	Completeness of the Assignments	10

		Marks Distribution (Max 10)		
S	Assignments Write-up	10 – 8	8 – 5	5 – 0
1	On date submission	On date submission	One day after date of submission	One week after that date of submission
2	Write-up with clear sketches	Figures with clear flow and scale (Ratio)	Figures with scale	Figures without scale (Ratio)
3	Correct answers	Must be understandable and relevant to questions	Must be understandable to reader	Relevant but not understandable
4	Completeness of the Assignments	100% (All questions answered 10/10)	70% (Some questions are not answered 7/10)	50% (Only few questioned are answered 5/10)

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Assignment-2

System Software and compilers

- 1) Write regular definition for identifier, unsigned numbers, keywords, relational operators and whitespace.
- 2) Define bottom-up parser. Find the handles for the given RSF and Construct shift reduce parser for the given grammar.
 $E \rightarrow E + T / T$
 $T \rightarrow T * F / F$
input : id + id
- 3) For the given CFG $S \rightarrow SS + / SS * / a \Rightarrow aa + a *$ Find
 - a) LMD for the string.
 - b) RMD for the string.
 - c) Parse tree for the string.
 - d) Justify is the grammar ambiguous/unambiguous.
- 4) Check whether the given grammar is LL1 or not with constructing the predictive parsing table.
 $S \rightarrow iEtS | iEtSeS | a$
 $E \rightarrow b$
- 5) What is Syntax Directed Definitions (SDD)? Also explain 2 types of attributes with an example.
- 6) Write an SDD for simple Desk calculator along with the construction of Annotated parse tree and Dependency graph.
Inputs: 1) $3 * 5 + 4n$. 2) $1 * 2 * 3 * (4 + 5)n$. 3) $3 * 5 + 4$ 4) int a b
- 7) Write and explain syntax directed translation scheme.
- 8) Define Ambiguity? Show that given grammar is ambiguous.
 $R \rightarrow R' | R | RR | R * (R) | a | b | c$ for input string $a | b * c$ give an unambiguous grammar for the above grammar such that precedence order from lowest to highest are concatenation, *, |, () and identifier and all are left to right associative.



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10

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Department of Artificial Intelligence and Data Science

Tag line:

“Lead the digital age by Learning with Intelligent Machines”

About AI & DS:

Bachelor of Engineering (B.E) in Artificial Intelligence and Data Science (AI&DS) is a four-year full-time undergraduate program offered at GM Institute of Technology, Davangere, recognized by All India Council for Technical Education (AICTE) and affiliated by VTU, Belagavi. Aim of AI&DS is to tackle complex real-world problems (web search, speech recognition, and machine translation) that span across various practices of engineering with rigorous mathematical tools. The objective of this course is to present an overview of the principles and practices of AI to address such complex real-world problems. The course is designed to develop a basic understanding of problem solving, knowledge representation, reasoning and learning methods of AI.

Technical Specification:

- Artificial Intelligence (AI) is a technique that enables computers to mimic human intelligence.
- AI is an interdisciplinary science to build smart machines capable of performing tasks that typically require human intelligence.
- Data Science (DS) is the field of study that combines domain expertise, programming skills, and knowledge of mathematics and statistics to extract meaningful insights from data.
- With Data Science, we build models that use statistical insights.
- AI is for building models that emulate cognition and human understanding.
- Blend of AI & DS allows the students to get best of both worlds.
- Data Science is to acquire variety of domains and business applications and fields such as natural language processing, text mining, robotics, reasoning and problem-solving.

- AI & DS is designed to provide the foundations for job roles like, AI Engineer, AI Data Analyst, Data Engineer, Data Scientist and so on in the evolving job market scenario.

Department of AI & DS – Uniqueness:

- As a specialized branch of the global technology, the BE in AI & DS have a huge scope of growth with ample opportunities to make a mark.
- AI & DS stream has lot of potential as Startups apart from Job Opportunities as most of the technology startups are having AI & DS integration
- The students apart from competing to acquire CSE related opportunities will also have AI & DS Specialization opportunities with higher salary package.
- Learning through Design/Implementation which is the course delivery practice for majority of the courses will make the student competent in getting high end jobs in the domain.
- Design/Implementation oriented teaching will make the students innovative, challenging, competent, which helps them to get into the product based companies with high salary packages and enables them to become entrepreneurs.
- The well-researched and carefully crafted course curriculum will provide ample opportunities for the students to become master of the technology.
- Capstone projects will help the student to use all the knowledge and practical exposure gained to solve a real-world problem by developing his own tool or solution.
- A student is also exposed and well versed with the advanced tools through skilling part of a course making him/her future ready.
- Choice based credit system helps the students to study the course with more emphasis in attaining global certifications.
- AI & DS is designed to provide the foundations for job roles like, AI Engineer, AI Data Analyst, Data Engineer, Data Scientist and so on in the evolving job market scenario.

Career Opportunity after the Course:

- Business Analyst
- Data Analyst
- Intelligence Analyst
- Data Manager
- Information Security Analyst
- Data Scientist
- Artificial Intelligence Engineer
- Machine Learning Architect

Curriculum:

- Programming for Problem Solving
- Python Programming
- Machine Learning Techniques
- Deep Learning
- Robotic Process Automation
- Robotics
- Introduction to Data Science
- Data Visualization
- Natural Language Processing
- Geometric Modeling
- Internet of Things
- Augmented Reality & Virtual Reality