K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

TIRUCHENGODE – 637 215

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MAGAZINE 2K'22

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

INSTITUTE VISION AND MISSION

VISION

To become a globally recognized Institution in Engineering Education, Research and Entrepreneurship.

MISSION

IM1	Accomplish quality education through improved teaching learning process
IM2	Enrich technical skills with state of the art laboratories and facilities
IM3	Enhance research and entrepreneurship activities to meet the industrial and societal needs

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Lion Dr.K.S.Rangasamy MJF

Chairman, KSR Educational Institutions

MESSAGE

I am indeed happy to note that the all the departments of K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY are organizing their 8th National Level Technical Symposium **Spring Fest 2K22 on** 27th and 28th April 2022.

I am confident that this symposium will provide an opportunity to the students to share and update their Knowledge. I am sure that this symposium will be informative and useful to all the students who are participating and organizing.

I wish the symposium a grand success and convey my appreciation to the Principal, Heads of various Departments, faculty members and students for their involvement in organizing this symposium in a successful manner.

With best wishes,

Lion Dr.K.S.Rangasamy

Chairman

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Thiru.R.Srinivasan, B.B.M.

Vice Chairman, KSR Educational Institutions

MESSAGE

It gives me immense pleasure to observe that Department INFORMATION TECHNOLOGY Of KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY are conducting their 8th National Level Technical Symposium **Spring Fest 2K22** on 27th and 28th April 2022. This type of technical meet gives the students, a golden opportunity to enhance their knowledge in all the areas of their respective field.

I extend my warm greetings and felicitations to the Principal, the Heads of various Departments, Faculty members and the Participants from various Engineering Colleges all over India and the students who have taken an effort to make this symposium a grand success.

I wish the symposium a grand success and fruitful.

With best wishes,

R.SRINIVASAN
Vice Chairman
KSR Educational Institutions

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Dr.M.Venkatesan, M.E., Ph.D.,
Principal

MESSAGE

I am glad to note that our college is organizing 8th National Level Technical Symposium **Spring Fest 2K22** on 27th and 28th April 2022.

It is time to feel proud and rejoice that we are one of the youngest engineering colleges in India to have achieved NBA Accreditation in all the Undergraduate Programmes.

Global technical scenario is changing towards completely automated, productivity oriented and cost effective target. To compete in all levels of this global trend, the budding Engineers should shake hands with different multidisciplinary skills and innovative ideas.

I congratulate all behind this excellent team work and I would like to appreciate the participants, students and staff for their commitment and effort for the success of this National Level Students Technical Symposium **Spring Fest 2K22**.

I wish the symposium all success.

With best wishes,
Dr.M.VENKATESAN
Principal

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Message

Dr J.C.Kannan
Director –Student Affairs

On behalf of SPRING FEST 2K22 ,8th National level Technical Symposium , I extend a very warm welcome & Greetings to all the delegates and participants. I hope all the participating multi disciplinary participants for this National level Technical Symposium will be one of finest pportunities for academicians ,scientist, professionals and researchers for various disciplines to share and express their views, discuss the practical challenges .It's also a landmark event for the Institute.
I would like to express my appreciation to all Heads, faculty members, student representatives the organizing committee ,technical committee and referees for their dedicated efforts to materialize this SPRING FEST 2K22, 8th National level Technical Symposium in a Grand and Successful manner..

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Dr.P.Meenakshi Devi, M.E., Ph.D.,

Director- Academics

MESSAGE

The **Spring Fest 2K22,** the 8th National Level Students' Technical Symposium has been initiated to bring out inherent innovative ideas and to share the latest technical developments in the IT and its related fields. I feel privileged to share that our department have been granted accreditation for three years by National Board of Accreditation. It makes me glad to be a part of the grand occasion. This symposium is likely to be one of the finest opportunities for students from all over India to participate and to share ideas over the same dais. A Symposium of this kind will provide a chance to bring out the inherent talentsand sensible ideas in the young innovative minds. I am sure that this symposium will provide an opportunity for the budding engineers to disseminate the latest knowledge in the field of respective Engineering. I profoundly acknowledge that the organizers have spent all needful corpus of sweat and have appreciably networked with the advisory board members and all others associated with the event. On behalf of the entire Department of Information Technology and on my personal behalf, I would like to extend my good wishes to all participants. I congratulate all the participants who have taken part in the technical Sessions. I express my sincere thanks to faculty and students of all the departments for their hard work and cooperation.

With best wishes,
DR.P.MEENAKSHI DEVI, M.E., PH.D.
Director - Academics

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Dr.B.Kalaavathi B.E., M.Tech., Ph.D.
Director of Research & Development Cell
Department of Computer Science and Engineering

In India, recent years have evoked a mixed outlook for the various manufacturing industries due to shortage of electricity; agricultures have failed due to poor monsoon; liberal foreign policies for trading and other internal discomforts. This is the high time exhibit the latest technologies in order to meet out the needs of the country and to uplift the country's economy. Emerging modern sciences ought to proceed along with the social and environmental demands. If the output is not for today, let it be for tomorrow "seek and strive but not to yield". Let this be the spirit of future generation for leading the world to glory. During the golden age of Greece, Symposium was introduced as an entry for the young skillful and talented persons to display theirs to the aristocratic people. With the same intention, the symposium here is to take the potential personnel to the world, and to understand who he is.

SpringFest'22 offers a platform for the students to meet, exchange ideas and interact with experts to enrich their talent, creativity and prove their intellect. I am sure that the participants will return immensely enriched and more confident. I like to extend my hearty congratulations to the entire faculty and the students of Computer Science and Engineering for their enthusiasm in organizing this National Technical Symposium.

With best wishes,
Dr.B.Kalaavathi, M.E., PH.D.
Director – R&D

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Dr.P.MURUGESAN, B.E., M.E., Ph.D.,
Professor, Director - III & SD
DEPARTMENT OF MECHANICAL ENGINEERING

MESSAGE

Warm Greetings! I am extremely happy to pen down few words on the National Technical Symposium **Spring Fest 2K22 on** 27th April 2022.

Spring Fest 2K'22 is an enthuse platform for the new budding minds to share and exchange their valuable ideas on the diversified topics. I appreciate the commendable job of the authors of various institutions for their papers enriched with innovative technical advancements.

It is worth mentioning that esteemed bodies such as ISTE and IE have joined hands with us in stimulating to bring out technical advancements in the field of engineering and technology.

The wide spectrum of articles in different sections vividly pictures the creative potential and thinking ability of our students in ample measures. Each article is entertaining, interesting and absorbing. I applaud the contributors for their stimulated thoughts and varied hues in articles contributed by them.

I wish good luck and extend my warm patronage to all those who have contributed their best to bring out this souvenir in good shape.

With best wishes,

Dr.P.MURUGESAN

Professor, Director - III & SD

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOG

Dr.R.Nandakumar B.E., M.E.,Ph.D.,
Professor & Director
Department of Electronics and communication Engineering

MESSAGE

I am pleased to convey my heartfelt congratulations to the students of KSR Institute for Engineering and Technology, on the occasion of technical symposium Spring Fest – 2K22.The symposium aims in bringing like-minded individuals together so as to provide them a common platform to interact and discuss new challenges.

I am confident that such symposium would do the world of good to the student's community by igniting their minds for improving scientific temperament towards innovative ideas. I am positive that an endeavor like this would develop a quest for knowledge, build relationships and inculcate a sense of team spirit and enhance interpersonal skills among organizers and participants. It is my pleasure to be part of this event.

Events such as this will not happen without the student's active and associate participation. I take this opportunity to congratulate all the student coordinators and participants.

I hope this symposium will be of great use to all who seek information and I wish the symposium a great success.

Dr.R.Nandakumar B.E., M.E., Ph.D.,
Director

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Dr.R. JEYABHARATH., M.E., Ph.D.,
DIRECTOR / CONTROLLER OF EXAMINATION

Warm Greetings! It's an immense pleasure to share few words about the nation level symposium Spring Fest 2K22.

Spring Fest 2K22 is a great platform for those who are trying to explore and share their budding ideas in various engineering fields. I appreciate the great works of the participants from various colleges on the art of sharing the ideas on recent trends.

Each paper is innovative and creative. I heartly appreciate the great work of those young minds for their contribution towards the emerging engineering trends.

I wish you good luck and extend my warm patronage to all those who have contributed their best to bring out this souvenir in good shape.

DIRECTOR COE

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Dr.M.Vimaladevi, M.E., Ph.D.
Professor and Head of the Department
Department of Computer Science and Engineering

It gives me immense pleasure to lead the department of CSE. Our College is one of the premier institutions, unique like a prism reflecting the manifold shades of learning and co-curricular activities. The Department of Computer Science and Engineering has excellent lab facilities which are being upgraded from time to time and provide ample opportunities for the students to learn and innovate.

The very motto of our department is to provide quality education. The process of learning is extremely important in life. What you learn, how you learn and where you learn play a crucial role in developing ones intellectual capability, besides career. The Department organizes interactive lectures and Faculty Development Programs/ Seminars by inviting Educationists and Technocrats from industries for the overall development of students as well as for faculty members. I, Congratulate the team of faculty members and the students for their effort for organizing the National Level Technical Symposium, Springfest'22 I wish all of them a great success.

ABOUT THE DEPARTMENT

The department of Computer Science and Engineering has been established in the year 2011 with an intake of 60 students. It has been started with the primary objective of providing world class education in the field of computer science and engineering, addressed towards the problems of today and tomorrow. The department endeavors to produce confident professionals tuned to the real time working environment.

The department strives to develop innovative, competent and quality computer engineers by imparting the state-of-the-art technology. The department organizes continuing education programmes for the development of faculty members, students and supporting staff. The department is afforded with 229 students and 11 faculty members. All the faculty members of the department are the members of ISTE.

The department laboratory has been equipped with 2 high end servers and 150 nodes of latest configuration. The department library consists of 760 books and various National and International Journals and Magazines.

Vision and Mission of the Department

Vision

To produce globally competitive Computer Science Engineers and Entrepreneurs with moral values.

Mission

- **DM1(Quality Education):** Provide quality education to enhance problem solving skills, leadership qualities, team spirit and ethical responsibilities.
- **DM2(State of art Laboratory)**: Enable the students to adapt to the rapidly changing technologies by providing advanced laboratories and facilities.
- **DM3(Research and Development)**: Promote research based activities in the emerging areas of techno-environment in order to meet industrial and societal needs.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

PEO1: Core Competency: Graduates will acquire a strong foundation in mathematical, scientific and engineering fundamentals necessary to formulate, solve and analyze Computer Science and Engineering problems.

PEO2: Professionalism: Graduates will practice the profession with ethics, integrity and leadership to relate engineering to global perspective issues and social context.

PEO3: Higher Studies and Entrepreneurship: Graduates will be prepared for their careers in the software industry or in higher studies leading to research and for applying the spirit of innovation and entrepreneurship in their career and continuing to develop their professional knowledge on a life long basis.

Program Specific Outcomes (PSO)

PSO	Keywords	Description
PSO1	Software System Design and Development	The ability to apply software development life cycle principles to design and develop the application software that meet the automation needs of society and industry.
PSO2	Computing and Research Ability	The ability to employ modern computer languages, environments and platforms in creating innovative career paths in SMAC (Social, Mobile, Analytics and Cloud) technologies.

FACULTY DETAILS

TEACHING STAFF:

S.No	Staff Name	Qualification	Designation
1.	Dr. B. KALAAVATHI	B. E., M.Tech., Ph. D., MISTE, MCSI.	Director R&D
2.	Dr.M.VIMALA DEVI	B.E., M.E., Ph.D.,	Associate Professor & Head
3.	Mrs. R. DEEBIKA	B. E., M. E., MISTE.	Assistant Professor
4.	Mr.V.PRAKASHAM	B. E., M.Tech.,	Assistant Professor
5.	Mr.V.GOPINATH	B. E., M. E.,	Assistant Professor
6.	Mr.K.VINOTH	B. E.,	Assistant Professor
7.	Mr.M.BOOBALAN	B. E., M. E.,	Assistant Professor
8.	Mr.C.MAHAVISHNU	B. Tech., M.Tech.,	Assistant Professor
9.	Mr.A.SUHANA	B. E., M.Tech.,	Assistant Professor
10.	Mr.P.NITHYA	B. E., M. E.,	Assistant Professor
11.	Mr.P.ANISPREMKOILRAJ	B. E., M. E.,	Assistant Professor

NON-TEACHING MEMBERS LIST:

S.No	Staff Name	Designation
1.	Mr. S.KARTHIKEYAN	B.Sc., MCSE. (CS)
2.	Mr. S.ABIVIRUTHI	DEEE
3.	Ms. T.UDHAYA	B.Tech
4.	Mr.M.SARAVANARAJ	B.E

STUDENTS LIST

IV YEAR

S.No	Name of the Student
1	AARTHI M
2	BALAJI S
3	BHUVANSHANKAR B
4	CHENNAKRISHNAN S
5	DEVA PRASATH V
6	DHANUSHIYA V
7	GOKULAKRISHNAN B
8	GOWSALYA G
9	GOWSIKAN R
10	HARI BILGATES S
11	HEMALATHA DEVI P
12	ISHWARYA R
13	JAILLESH K
14	JAYAC KEERTHTHANA S K
15	JOTHIVEL D
16	KAMAL G
17	KAVIN M
18	KAVIYA S
19	KAVIYA PRIYADHARSHINI M
20	KIRUTHIKA S
21	MAHESH KUMAR K S
22	MUTHUSELVI A
23	NAVEEN A
24	POOVENDIRAN G
25	PRANESHKUMAR B
26	RAJKUMAR S
27	RESHMA R
28	SHARMILA R

29	SOUNDARYA C
30	SOUNDARYA G G
31	SRIJA M
32	SUBASH S
33	SUDERSAN A
34	SURENDHIRAN S
35	SUSHMA R
36	VENKATESH V
37	VISHNU PRASAD A
38	YOGECH K
39	LOGESHWARAN M

III YEAR

S.NO	NAME OF THE STUDENT
1	ABINANTHAN R
2	AMIRTHESWARI A
3	ARAVINTH R
4	ARIHARAN P
5	ARUL MURUGAN S
6	ARUNPRAKASH C
7	ASHWIN M
8	BARATH P
9	BHARATH KUMAR K
10	DEEPAN G
11	DHARSHA K
12	DHEVAK A
13	GANESH M
14	GAYATHRI K

15	GOBI B
16	HARIKRISHNAA S
17	HEMAMALINI G
18	ILAKIYA V
19	INDHUJA V
20	JEEVA M
21	JEEVANANTHAM S
22	JOTHEESWARAN S
23	KAMALESH S
24	KEERTHIRAJAN M
25	KRISHNAMOORTHY M
26	LOGESHWARAN G
27	MADHUMITHA M
28	MADHUMITHA S
29	MANOJ J
30	MANOJKUMAR M
31	MANORANJITH G
32	MATHIVANAN R
33	MIRUN KANNAN V
34	MOHAMMED RIZWAN M
35	MOHANAPRASATH M
36	MONIKASRI B
37	MOUNIKA SRI B
38	NANDHINI R
39	NISHANTH R
40	PAVITHRA K

41	PRABHU M
42	PRANESH KUMAR N
43	PRASANTH S
44	PRATHAP D
45	PREAM KUMAR K
46	PREETHI V
47	PREMKUMARAN P
48	RAKKESH S
49	RITHIKA P
50	RUTHRESAN V
51	SAI SIVA SANJAY R
52	SANJAY M
53	SANTHOSH M
54	SATHEESH NATRAYAN A
55	SATHIYAPRABAVATHI S
56	SHAHEEN M
57	SHALENE V
58	SINTHANA G
59	SUBHASHINI P
60	THANGAMANI R
61	YOGESH M
62	YUVARAJ A
63	SUNMATHI M

II YEAR

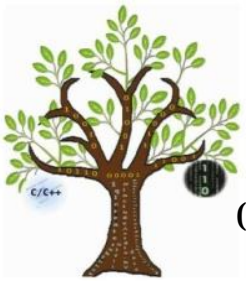
S. No	NAME OF THE STUDENT
1	ABHISHEK ANAND
2	AJITH S
3	ARJUN K
4	ARULMURUGAN V
5	BRINDHA L
6	DEEPA R
7	DEEPIKA S
8	DEVADHARSHINI S
9	DEVARAJ M
10	DHANASEKAR V
11	DHARANI S
12	DHARSHINI N
13	DIVYA R
14	DURGADEVI K S
15	ELANGKUMARAN T
16	GANESH KUMAR
17	GNANAMOORTHI M
18	GOKULA KANNAN M
19	HARIPRASATH S G

20	HARISHKUMAR J
21	IBRAHIM SHERIFF T K
22	INDHUMATHI M
23	JAGAJITH K R
24	JAISHINI A
25	JENIDA P
26	KAMALESH T
27	KAVINRAJ D
28	KAVISHNI S
29	KIRIJA R
30	KRISHANI M
31	KRITHIKA R
32	MALARVIZHI K
33	MD FARID
34	MOHAMED SIGAF M
35	MOHANKUMAR S
36	NAVEENKUMAR M
37	NAVIN S
38	NITHIN S
39	POOJA G
40	PRAGANAN A

41	PRIYADHARSAN M
42	PRIYADHARSHINI S
43	RAGHUL K
44	SABARIMUGILAN M
45	SANJAI R
46	SANJAY M
47	SANJAY N
48	SANJITH V
49	SARAVANAN M
50	SATHISH R
51	SOWMIYA G
52	SRINAVANEETHASWETHA M P
53	SUNNY KUMAR JAISWAL
54	SWETHA M
55	THILOTHAMA D
56	UMA SHANKAR RAM
57	VASANTH R
58	VELMANI P
59	VIBIN S
60	VINOTH R
61	YAMUNA K

62	YASH RAJ
63	MUTHU PALANIYAPPAN G
64	SANTHOSH S

ABOUT THE ASSOCIATION



VRICSA – Association

(Vivacious and Rejuvenating Intellectuals of Computer Science Association)
TOWARDS SUCCESS…

"VRICSA" is an association of department of Computer Science and Engineering meant for the benefits of UG and PG students. The association mainly focuses on exposures to recent updates on IT by conducting various programmes. Numbers of technical events like aptitude, vocabulary and coding contests have been conducted. Many non technical events like treasure hunt, short films, rangoli are also encouraged. Our association not only improves students technical skills, also soft skills like leadership quality through the event like 'NAYAK'. Students also actively involved in social activities like DEYA and Blood Donation. We encourage our students to enhance current affairs with the help of THINKTANK board and then every week we recognize those students by awarding the prizes. Our association periodically publishes a magazine named 'Tech Zest' which includes articles in recent trends and their creativity such as drawing, poetry, etc., We have arranged alumni interaction for the students with our alumni to share their experience and current expectation of the industry.

OFFICE BEARERS

SECRETARY :

Mr. PRANESHKUMAR B, Final year.

JOINT SECRETARIES

1. Ms. KIRUTHIGA S, Final year
2. Ms. AMIRTHESWARI A, Third Year

The Treasurer

Mr. RAJKUMAR S, final year

Joint Treasurer

Mr. CHENNAKRISHNAN K, final Year

Office bearers

From Final Year

1. Mr. BHUVAN SHANKAR B
2. Ms. MUTHUSELVI K
3. Ms. SOUNDHARYA GG
4. Ms. SUSHMA R

From III Year

1. Mr. DHEVAK A
2. Mr. GOBI B
3. Mr. RAKKESH S
4. Ms. GAYATHRI K

From II Year

1. Ms. JAISHINI A
2. Ms. KAVISHNI S
3. Mr. NITHIN S
4. Mr. SARAVANAN M

ABOUT SPRING FEST 2K’22

SpringFest’22 offers a platform for the students to meet, exchange ideas and interact with experts to enrich their talent, creativity and prove their intellect. It is sure that the participants will return immensely enriched and more confident. The students of Computer Science and Engineering are organizing events like paper presentation, technical and non-technical events. Technical events like **Paper Presentation**. Non-technical events like **Treasure Hunt, Creation Verse**. These events could make the students to build upon a perfect and confident entrepreneur and engineer.

COMMITTEE LIST FOR SPRING FEST 2K'22

S. No	Name of the Committee	Faculty	Student	Class	Responsibility
1	**Registration & Help Desk**	Mrs.R.Deebika Mrs.A.Suhana Mrs.T.Udhaya	Priyadharshini S	II CSE	• Should have details about all the Events.
			Jaishini A	II CSE	• Ensure Student Participant count • On Spot Registration for Other Events. (collect money for on-spot events)
			Pavithra K	III CSE	• Provide Kit to the Participants. • Register using Google Form • Feedback form distribute and collect.
			Jeeva M	III CSE	
			Jaillesh K	IV CSE	• Registration form, ID Card ,Lunch Token, Feedback form Design • Designing (2 Types of Certificate - Participation & Prize Won)
			Dhanushiya V	IV CSE	• Receiving DD from PPT (paper Presentation) Participants and registering them for PPT
			Jenida P	II CSE	• Printing
			Santhosh K	III CSE	• Writing by Respective Track
			Sanjay M	III CSE	
			Sudersan A	IV CSE	
2	**Press, Photo & album**	Mr.C.Mahavishnu	Balaji S	IV CSE	• Send mail pre and post function to press. • Arrangement of photography • Print Photos & Send Detail to Facebook Save photos in folder &update in website
			Pooja G	II CSE	
			Mohanaprasad M	III CSE	
			Premkumaran P	III CSE	
			Dhevak A	III CSE	
3	**Brochure & Certificate**	Mr.V.Prakasham	Jaillesh K	IV CSE	• Design & Print • Distribute Brochures to colleges • Certificate Design and Distribute to Respective Department
			Mirun kannan V	III CSE	
			Yamuna K	II CSE	
			Sanjay M	III CSE	
			Bharath Kumar K	III CSE	
		Mr.K.Vinoth	Venkatesh V	IV CSE	• Checking the mail daily to update the paper received details • Selection, Intimation • Registration form sending and receiving through mail
			Dharsha K	III CSE	

4	**Paper Selection and PPT (3 parallel Tracks)**		Keerthirajan M	III CSE	• DD Receiving, Handover DD to finance committee • Preparing list of Selected PPT Participants and Distribute to Tracks & Registration Committee • Jury Arrangement for each event and PPT • Frame Rules for Conducting Events and PPT • Refreshment to the Jury, Mementos to the Jury • Finalize the prize winners • Write participants and winners certificate • Handover the written certificates along with a list to MOC
			Deva prasath V	IV CSE	
			Logeshwaran G	III CSE	
			Manojkumar M	III CSE	
			Raghul K	II CSE	
			Ilakiya V	III CSE	
			Shalene V	III CSE	
		Event 2: Upper Speaker Mr.M.Boopalan	Rakkesh S	III CSE	Venue: CSE Lab1 • Frame Rules for Conducting Events and PPT • Refreshment to the Jury, Mementos to the Jury • Finalize the prize winners • Write participants and winners certificate • Handover the written certificates along with a list to MOC
			Aarthi M	IV CSE	
			Sushma S	IV CSE	
			Mounikasri B	III CSE	
			Preethi V	III CSE	
		Event 3: Code Beast Mr.V.Gopinath	Amirtheswari A	III CSE	Venue: CSE Lab2 • Frame Rules for Conducting Events and PPT • Refreshment to the Jury, Mementos to the Jury • Finalize the prize winners • Write participants and winners certificate • Handover the written certificates along with a list to MOC
			Nithin S	II CSE	
			ElanKumaran T	II CSE	
			Bhuvansankar B	IV CSE	
			Vishnu	I CSE	
5	**Non Technical Events**	**Event 1: Treasure Hunt** Mr.P.Anispremkoilraj	Kiruthika S	IV CSE	Venue: Hall no-M102 • Frame Rules for Conducting Events and PPT • Refreshment to the Jury, Mementos to the Jury • Finalize the prize winners • Write participants and winners certificate • Handover the written certificates along with a list to MOC Venue: Hall no-M101 • Frame Rules for Conducting Events and PPT
			Hemalathadevi	IV CSE	
			Gowsalya G	IV CSE	
			Shaheen M	III CSE	
			Madhumith M	III CSE	
			S Kavishni	II CSE	
			Deepika S	IV CSE	

		Event 2: Creation Verse Ms.M.Boopalan	Jaillesh K	IV CSE	• Refreshment to the Jury, Mementos to the Jury • Finalize the prize winners • Write participants and winners certificate • Handover the written certificates along with a list to MOC
			Saisivasanjay R	III CSE	
			Monikasri B	III CSE	
6	**Hall Arrangement for Events and PPT**	Mr.S.Abiviruthi Mr.M.Saravanaraj	Arjun K	II CSE	• Seat arrangement • System arrangement • Mike arrangement
			Rajkumar S	IV CSE	
			Maheshkumar K S	IV CSE	
			Gobi B	III CSE	
			Arunprakash C	III CSE	
7	**Accommodation**	Mr.C.Mahavishnu (For Boys) (For Girls)	Nithin S	II CSE	• Getting letter permission for hostel stay • Collect and pay the money to Hostel from participants
			Thangamani R	III CSE	
			Krishnamoorthy M	III CSE	
8	**Discipline**	All CSE Faculties	Abinanthan R	III CSE	• Maintaining discipline
			Ashwin M	III CSE	
			Gayathri K	III CSE	
			Dharshini N	II CSE	
			Rajkumar K	IV CSE	
			Pranesh Kumar B	IV CSE	
9	**Banner Design (College)**	Mr.P.Anispremkoilraj	Jaillesh K	IV CSE	• Deciding no. of banners to be kept • Banner design and printing • Sign Board design and printing
			Brindha L	II CSE	
			Sindhana G	III CSE	
			Maheshkumar K S	IV CSE	
10	**Souvenir (Department)**	Mrs.P.Nithya	Balaji	IV CSE	• Collecting articles from students • Collecting topper list • Collecting students achievements
			Deva Prasanth	IV CSE	
			Rithika P	III CSE	
			Manojkumar K	III CSE	
			Jothivel D	IV CSE	
11	**Decoration**	Mrs.R.Deebika Mrs.A.Suhana	Deepa R	IICSE	• Kolam

		Mr.K.Vinoth Mrs.T.Udhaya	Devadharshini S	II CSE	
			Sunmathi M	III CSE	• chart work
			SatheeshNatrayan A	III CSE	
12	**Finance**	Dr.M.Vimaladevi Mr.V.Prakasham	Sushma R	IV CSE	• Preparing Budget & Voucher Design
			Amirtheswari A	III CSE	• Collecting Bills

DEPARTMENT ACTIVITIES

Value Added Courses:

S.No	Date	Course Name	Resource Person	Year / Sem	Student Count
1.	23.11.2020 to 27.11.2020	Amazon Web Services	Dr.B.Kalaavathi Mrs.V.Sowmitha	IV/ VII	51
2.	07.12.2020 to 11.12.2020	Hardware Trouble Shooting and Video Editing	Mr.V.Prakasham Mr.S.Karthikeyan	II / VI	64
3.	04.01.2021 to 08.01.2021	PHP with Database Connectivity	Mrs. S.Vimala Mrs.S.Hamsareka	III/VI	39
4.	19.01.2021 to 23.01.2021	RedHat Linux Certification for System Administration	Dr.M.Vimaladevi Mr.V.Gopinath	II / VI	64
5.	08.02.2021 to 12.02.2021	Programming with PL / SQL	Mr.V.Gopinath	II / VI	64

5G TECHNOLOGY

Abtract :

5G is a 5th Generation of wireless telecommunication technology. It is designed to increase speed, to reduce latency and to improve the flexibility of wireless service. 5G is launched in April 2019. South Korea was the first country to launch 5G. The speed of 5G is 10 giga bits per second which 100× times greater than the speed of 4G. 5G is evolved from 1G to 5G. 1G is a 1way communication with 2.4 kbps speed. 2G has 64 kbps with SMS facility. 3G has 384 kbps with little bit internet facility. 4G has high internet speed with 100mbps and also have video call facility. The countries having 5G in the year of 2022 are South Korea, China, America, Britain, etc. The Reason for 5G launch delay in India are due to high tariff. The main disadvantage of 5G is Airplane landing problem in airport due lack of information in calculating the height of airplane. Because both airplane landing and 5G signal using radio frequency. The major Advantage of 5G is high access speed. We can able to access the data in the speed of 1millisecond. Therefore 5G allows more users to connect to one tower avoiding network congestion during conventions and mass gathering.

MACHINE LEARNING

Abtract :

Machine learning (ML) is a type of artificial intelligence(AI) that allows software applications to become more accurate at predicting outcomes without being explicitly programmed to do so.In this paper we have briefed about What is machine learning, Types,Where is ML used, Importance of ML, Advantages and Disadvantages of ML, Career option, Growth of ML, Future Scope.

BIG DATA

Abtract :

Big data analytics helps businesses and organizations make better decisions by revealing information that would have otherwise been hidden. Meaningful insights about the trends, correlations and patterns that exist within big data can be difficult to extract without vast computing power.This paper briefed about What is Big Data, Characteristics of Big Data, Why is Big Data, Application of Big Data, Benefits of Big Data, How Big Data impact, Future of Big Data.

NETWORK COVERAGE MAPPING

Abtract :

Mobile signal strength (coverage) maps are of great importance to cellular operators for network planning and operation, however they are expensive to obtain, imperfectly reflective of call quality outcomes and potentially constructed from biased samples.Finding Mobile signal strength and Mapping the Coverage areas using GIS through differentiating the strength of Network.The ISRO explore a set of map based content and variety of geological datasets.Bhuvan offers detailed imagery of Indian locations through ISRO.

MACHINE LEARNING

Abtract :

Machine learning is a field of study that looks at using computational algorithm to turn empirical data into usable models. The machine learning field grow out of traditional statistics and artificial intelligence communities. Machine learning algorithm can be used to gather understanding of the cyber phenomenon that produced data under study. Based on the learning approach, the types of data they input and output, and the type of problem that they solve, there are few primary categories of machine learning-supervised, unsupervised and reinforcement learning. In supervised learning, ML algorithm can be used to model relationship between one or more independent variables and a dependent variable. In unsupervised learning algorithm find meaningful pattern in dataset or sort data into groups. Reinforcement learning ML algorithm produce optimized plans or course of action given set of constriants. These three main types of machine learning are described in the following sections. Then, we finally discuss the application and advantages of machine learning.

VIRTUAL REALITY

Abtract :

Virtual reality (VR) is also called as virtual environment (VE).It is the combination of human beings & computer-generated graphics interaction.It has drawn more attention in last few years.Recent research has confirmed the importance and effectiveness of virtual reality.Virtual reality is a rapid growing field being applied in a wide range of ways,such as healthcare,education,entertainment,digital marketing & tourism.Recent research revealed that more than 70% of people believed in virtual reality will be main stream within nest five years.The concept of virtual reality came into picture when technologies were being used by developers & tech-companies all across the globe. This paper presents the review of VR in different areas that have utilized VR. It also illuminates how VR will work and its challenges.Based on this, the paper will discuss several promising areas of VR and its applications and challenges of VR and education & medical fields as well in many industries.By the end of the presentation, we will get a detailed information about VR and the future of the Virtual reality.

XENOBOTS USING ARTIFICIAL INTELLIGENCE

Abstract :

Technology is improving day by day and every new face of it is engrossing, making applied science astonishment. Robotics and Artificial Intelligence have taken the world beyond automation. Automation was once considered as a challenge, but now the same technology has stunned the whole world, with the transformation of vision to the reality of live cell robots. In this modern era, evolutionary algorithms with Artificial Intelligence have made an impact on the automation and the creation of rare live-cell species by integrating biological aspects of frog cells. It would be thus useful in various domains to build technologies using self-renewing, and biocompatible materials of which the ideal candidates are living themselves. Thus, this paper

presents a live cell robot named Xenobots, its design method, formation, applications, and transformation of live cell robots to humanoid robots that mimic the human brain.

CLOUD COMPUTING

Abstract :

Cloud computing is Internet-based computing, whereby shared resources, software, and information are provided to computers and other devices on demand, like the electricity grid.Cloud computing is a paradigm shift following the shift from mainframe to client–server in the early 1980s. Details are abstracted from the users, who no longer have need for expertise in, or control over, the technology infrastructure "in the cloud" that supports them. Cloud computing is Internet based computing where virtual shared servers provide software, infrastructure, platform, devices and other resources and hosting to customers on a pay-as-you-use basis. All information that a digitized system has to offer is provided as a service in the cloud computing model. Users can access these services available on the "Internet cloud" without having any previous know-how on managing the resources involved

ARTIFICIAL INTELLIGENCE

Abstract :

Developed by Alan Turing.Involves an interpreter, a human, and a computer.The computer and human have separate conversations with the interpreter.If the interpreter can't guess which is the computer or if the interpreter gets it wrong then the computer has Artificial Intelligence. Involves two tests First test involves an interpreter, a male, and a female. Female pretends to be male Interpreter tries to figure out who is who Second test is similar to turing test Compares both tests

INTERNET OF THINGS(IOT)

Abstract :

The Internet of Things (IoT) is the next big thing in the wireless revolution.It is a natural evolution of the Internet and as the name suggests goes beyond the connection of people to the Internet by connecting "things" such as computers, machines & sensors.The use of Low Power Wide Area Networks(LPWANs) as the communications medium makes for a 'Killer App' which will explode onto the world in millions of applications and implementations over the next decade.

AUTHENTICATION

Abstract :

Authentication is the process of recognizing a user's identity.It is the mechanism of associating an incoming request with a set of identifying authorization (i.e. verifying one's identity).It provide necessary actions while third person is trying to login in our system by the way of messages, mails, in some time phone call may come and convey the information about the unknown person.

GREEN COMPUTING

Abstract :

Green Computing in a broader way is the practicesand procedures of designing, manufacturing,using of computing resources in an environmentfriendly way while maintaining overall computing performance and finally disposing in a way that reduces their environmental impact.This means reduction in use of hazardous materials,maximizing output from the product during its lifetime while minimizing energy consumption and also reusablitiy or recyclability and biodegradability of used products and waste.Many corporate organizaations are taking initiatives to reduce the harmful impact of their operation on the environment. Sustainable development means developing without damaging the requirements of the future generations. That is meeting human development goals while preserving natural resources and ecosystems on which the society depends.This paper is a survey of several important current researches related to the field of green computing which emphasies the importance of green computing for sustainable development.

SECURE ATM BY IMAGE PROCESSING

Abstract :

Every biometric system has its limitations. Therefore, identification based on multiple biometrics is an emerging trend as multimodel biometrics can provide a more balanced solution to the security multimodel systems involve the use of more than one biometric system.Our contribution to the above subject is that we have developed an algorithm on banking security. For this we have considered a bank using biometric technology for its security purpose. The security is assured by using finger scan, voice scan, hand geometry scan and by requesting the password given by the bank for a particular user when necessary.Biometrics technology allows determination and verification of ones identity through physical characteristics. To put it simply, it turns your body in to your password. We discussed various biometric techniques like finger scan, retina scan, facial scan, hand scan etc. Two algorithms have been proposed by taking biometric techniques to authenticate an ATM account holder , enabling a secure ATM by image processing. Biometrics is now applied in various public and private sectors.

BLOCK CHAIN BASED DATABASE SECURITY IN SMART CITIES

Abstract :

A smart city uses information and communication technology (ICT) to improve operational efficiency, share information with the public and provide a better quality of government service and citizen welfare. The main goal of a smart city is to optimise city functions and promote economic growth while also improving the quality of life for citizens by using smart technologies and data analysis. The value lies in how this technology is used rather than simply how much technology is available. In smart city the communication between systems or services need to be faster and also it is need to be secured one, because of these needs cyber security is essential thing in smart city. For this purpose of protect databases of a smart city we can use block chain technology in the database. A Blockchain is a chain of blocks that contain information. The data which is stored inside a block depends on the type of blockchain.

Each block has data and hash value of next block. The blocks has ordered one by one and it is looks like chain. If unauthorized access is detected on the database or on a block in the chain the hash value of each block in database has started to change. By this process the data that stored in the database become very secured and very hard in access it for unauthorized persons. In additional feature that the blockchain has great way of accessing the data. So the efficiency of the database also increases. In this way we can improve the security and efficiency of database in the smart city.

CYBER TECHNOLOGY

Abstract :

Cyber technology is a term that refers to a set of digital technologies based on emerging media (including virtual reality, social network, and multimedia), soft computing, cloud computing, and mobile computing. These new technologies have made a profound impact on both corporate business operations and the daily lives of ordinary individuals. They have also opened up enormous innovative opportunities for both educational institutions and individual educators. In many ways they will redefine how the education program to be created and delivered. But even more so, they can help reduce operation costs, enhance learning effectiveness, and create innovative educational activities that cannot be done in traditional education environments. More importantly, these technologies will allow schools to provide their students with an education that meets modern industrial demands and up-to-date technical skills. They will further allow life-long learning to evolve from a mere concept to an achievable reality. In this paper, the historical relationship between modern technology and modern education will be first explored. Then, the recent developments in cyber technology will be presented, followed by a discussion of the possible direct impacts and challenges that these new technologies may have on future education.

E-BALL

Abstract:

A new concept of pc is coming now that is E-Ball Concept pc. The E-Ball concept pc is a sphere shaped computer which is the smallest design among all the laptops and desktops. This computer has all the feature like a traditional computer, elements like keyboard or mouse., dvd, large screen display.

WEB SERVER

Abstract:

This project presents a design and prototype implementation of new homeAutomation system that uses WiFi technology as a network infrastructureConnecting its parts. The proposed system consists of two main components; theFirst part is the server (web server), which presents system core thatManages, controls, and monitors users' home.Users and system administrator can locally (LAN) or remotely (internet)Manage and control system code. Second part is hardware interface module,Which provides appropriate interface to sensors and actuator of

homeAutomation system.Unlike most of available home automation system in the market the proposedSystem is scalabas long as it exists on WiFi network coverage. System supports a wide range of Home automation devices like power management components, and security Components.The proposed system is better from the scalability and flexibility point of View than the commercially available home automation systems view than the commercially available home automation systems.

DIGITAL TWIN TECHNOLOGY

Abstract:

Digital Twin technology is an emerging concept that has become the center of attention for various industries. In simple terms, a digital twin is a virtual representation of a physical object, process, or system that is used for various purposes. It includes the virtual model of the physical object, data from the object, a unique one-to-one correspondence to the object, and the ability to monitor the object. This pairing of the virtual and physical worlds allows the analysis of data and monitoring of systems to solve problems before they even occur, prevent downtime, develop new opportunities and even plan for the future by using simulations.Digital Twins =Physical Based Models+ Statistical Models + Machine Learning.The concept of digital twins is not exactly new-it was first presented by Dr. Michael Grieves in 2002, and prior to that, NASA has been using complex stimulation for spacecraft for decades. But thanks to the explosion of the internet of things (IoT), and the subsequent lowering costs of associated technologies, digital twins are now more accessible than ever.

SOUND BEAMER

Abstract :

AI-based audio technology, it beams pockets of sound just outside of your ears - like two little invisible speakers - that follow your head when you move.With Sound Beaming you can hear audio from a variety of sources privately andwithout disturbing others. And because the sound is beamed directly outside the ears, listening becomes far more sensory and natural. In fact, you can even experience sounds in spatial 3D without needing complicated surround speaker setups or being limited to the stereo sound of headphones. We are going to share about this topic related details.

STUDENTS TOPPER LIST(III, V & VII SEMESTER)

S.No.	Student Name	CGPA obtained	Rank	Photo
IV CSE (upto 7th SEM)				
1	LOGESHWARAN M	8.89	1	
2	RESHMA R	8.89	1	
3	SRIJA M	8.86	2	
III CSE (upto 5th SEM)				
1	AMIRTHEESHWARI A	9.25	1	
2	SHALENE V	9.13	2	

3	SHAHEEN M	9.07	3	
II CSE (upto 3rd SEM)				
1	MALARVIZHI K	9.25	1	
2	DEEPIKA S	9.21	2	
3	DEVADHARSHINI S	9.18	3	

STUDENTS CO-CURRICULAR ACTIVITES

S.No.	Year / Sem./Sec.	Name of Student	Event Name	Conducted on	Name of the college (Organized)
1.	II / III	M.KEERTHIRAJAN	Webinar	06.02.2021 to 07.02.2021	SaeIndia Southern Section
2.	II / III	M.KEERTHIRAJAN	Online VIIMS Quiz	20.06.2020	Vivekanandha Institute of Information and
3.	II / III	M.KEERTHIRAJAN	Quiz	13.03.2021	Study Section
4.	II / III	A.SATHEESHNATRAYAN	Creative writing	15.06.2020	SMT.K.G.Mittal College of Arts and Commerce
5.	II / III	A.SATHEESHNATRAYAN	Course	26.06.2020	ICT Academy
6.	II / III	A.SATHEESHNATRAYAN	E-Quiz	17.06.2020	Sri Ramakrishna Institute of
7.	II / III	A.SATHEESHNATRAYAN	Webinar	04.06.2020	Chennai Institute of Technology
8.	II / III	A.SATHEESHNATRAYAN	Quiz	20.06.2020	EGS Pillay Group of Institution
9.	II / III	A.SATHEESHNATRAYAN	Creative Thinking	25.08.2020	Sona College of Technology
10.	II / III	A.SATHEESHNATRAYAN	Predicting COVID Mortality	15.07.2020	TechEra Community in Collabaration with Facebook Developer
11.	II / III	A.SATHEESHNATRAYAN	IEEE Explorer Digital Library	22.06.2020	IEEE
12.	II / III	K.DHARSHA	Seminar	06.05.2021	Gakaay Solution and Mitsan Foundation
13.	II / III	K.DHARSHA	Photograph y Contest	13.03.2021	American Ruler Private Limited
14.	II / III	K.DHARSHA	E-Quiz	30.06.2020	KSR Institute for Engineering and Technology

15.	II / III	K.DHARSHA	E-Quiz	25.06.2020	KSR Institute for Engineering and Technology
16.	II / III	R.NANDHINI	E-Quiz	25.06.2020	KSR Institute for Engineering and Technology
17.	II / III	R.NANDHINI	E-Quiz	30.06.2020	KSR Institute for Engineering and Technology
18.	II / III	R.NANDHINI	IoT Course	21.01.2021	CISCO Networking Academy
19.	II / III	R.NANDHINI	Course Completion	02.01.2021	Automation Anywhere
20.	II / III	A.AMIRTHESWARI	Webinar	26.06.2020	Excel College for Commerce and
21.	II / III	A.AMIRTHESWARI	E-Quiz	17.06.2020	Sri Ramakrishna Institute of
22.	II / III	A.AMIRTHESWARI	E-Quiz	01.07.2020 to 03.07.2020	RVS Agricultural College
23.	II / III	A.AMIRTHESWARI	E-Quiz	29.06.2020	KSR Institute for Engineering and Technology
24.	II / III	A.AMIRTHESWARI	Webinar	29.12.2020	RAMCO Institute of Technology
25.	II / III	A.AMIRTHESWARI	Technical Quiz	05.06.2020	KSR College of Engineering
26.	II / III	A.AMIRTHESWARI	Webinar	15.06.2020	KS Rangasamy College of
27.	II / III	A.AMIRTHESWARI	World Record	25.04.2021	GUVI

LIST OF STUDENTS PLACED

2021

S.No	Student Name	Company Name
1	Agilan R	Flextronics Technologies Pvt Ltd., Chennai, enquiry@genuisconsultant.com
2	Arun Kumar N	Sudoboat
3	Babu R	Aspire Systems
4	Chowmiya S B	Pentagon Space Pvt ltd., Bangalore
5	Deepak J	Flextronics Technologies Pvt Ltd., Chennai
6	Deepak Kumar J	Aspire Systems, info@aspiresys.com
7	Deril Charles K	Cognizant Technology Solutions India Pvt Ltd
8	Dharshini P	Sudoboat
9	Dineshkumar K	Cognizant Technology Solutions India Pvt Ltd, Inquiry@cognizant.com
10	Elango M	Sudoboat
11	Gayathri M	Aspire Systems
12	Gayathri M [731617104014]	Pentagon Space Pvt ltd., Bangalore
13	Gowtham G	Orion Innovation
14	Guna M	Pentagon Space Pvt ltd., Bangalore, info@pentagonspace.in
15	Harish P	Orion Innovation, info@orioninc.com
16	Kailash K	PSG Software Technologies
17	Kishor P	Aspire Systems, info@aspiresys.com
18	Krishnamoorthy S	Knowhere Studio
19	Madhan Kumar S	Sudoboat
20	Manoranjith.M	Knowhere Studio, info@knowherestudio.in
21	Marimuthu R	PSG Software Technologies
22	Menaga T	Lumen
23	Mohanapreya N	Orion Innovation
24	Pooja Shree K	Aspire Systems
25	Prakash V	Expleo
26	Prasanth N	Infinite Computer Solutio
27	Prasanth T	Expleo

28	Purusothaman R	Cognizant Technology Solutions India Pvt Ltd
29	Sangeetha.M	Expleo, +91 44 4392 3200
30	Santhosh Kumar.A	Cognizant Technology Solutions India Pvt Ltd, Inquiry@cognizant.com
31	Satheeshkumar Thangavel T	Flextronics Technologies Pvt Ltd., Chennai, enquiry@genuisconsultant.com
32	Sharmila A	Kumaran Systems
33	Sneha P	Flextronics Technologies Pvt Ltd., Chennai
34	Surya K	Sudoboat
35	Vaishnavi.V	Flextronics Technologies Pvt Ltd., Chennai, enquiry@genuisconsultant.com
36	Valenteena Collins J P	Lumen
37	Veeralakshmi S	Infinite Computer Solutio
38	Vignesh S	Lumen
39	Vignesh.M	Lumen, +91 080 66184701
40	Vijay.S	Knowhere Studio, info@knowherestudio.in
41	Yokesh.E	Lumen, +91 080 66184701
42	Yuvashree R	Knowhere Studio

STUDENTS ARTICLES

CRYPTOGRAPHY

Cryptography is technique of securing information and communications through use of codes so that only those person for whom the information is intended can understand it and process it. Thus preventing unauthorized access to information. The prefix "crypt" means "hidden" and suffix graphy means "writing".

In Cryptography the techniques which are use to protect information are obtained from mathematical concepts and a set of rule based calculations known as algorithms to convert messages in ways that make it hard to decode it. These algorithms are used for cryptographic key generation, digital signing, verification to protect data privacy, web browsing on internet and to protect confidential transactions such as credit card and debit card transactions.

Features Of Cryptography

- **Confidentiality**:
  Information can only be accessed by the person for whom it is intended and no other person except him can access it.
- **Integrity:**
  Information cannot be modified in storage or transition between sender and intended receiver without any addition to information being detected.
- **Non-repudiation**:
  The creator/sender of information cannot deny his or her intention to send information at later stage.
- **Authentication:**
  The identities of sender and receiver are confirmed. As well as destination/origin of information is confirmed.

Types Of Cryptography:

In general there are three types Of cryptography:

- **Symmetric Key Cryptography**:
  It is an encryption system where the sender and receiver of message use a single common key to encrypt and decrypt messages. Symmetric Key Systems are faster and simpler but the problem is that sender and receiver have to somehow exchange key in a secure manner. The most popular symmetric key cryptography system is Data Encryption System(DES)
- **Hash Functions:**
  There is no usage of any key in this algorithm. A hash value with fixed length is calculated as per the plain text which makes it impossible for contents of plain text to be recovered. Many operating systems use hash functions to encrypt passwords.
- **Asymmetric Key Cryptography:**
  Under this system a pair of keys is used to encrypt and decrypt information. A public key is used for encryption and a private key is used for decryption. Public key and Private Key are different. Even if the public key is known by everyone the intended receiver can only decode it because he alone knows the private key**.**

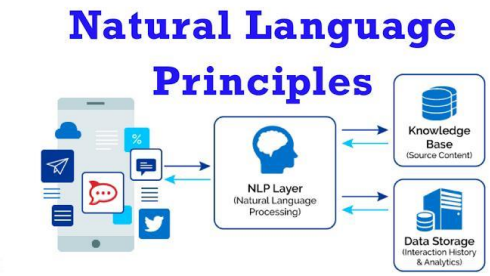
Name: Keerthirajan M
Class: 3rd year CSE

NATURAL LANGUAGE PROCESSING

Introduction:

NLP began in the 1950s as the intersection of artificial intelligence and linguistics. NLP was originally distinct from text information retrieval (IR), which employs highly scalable statistics-based techniques to index and search large volumes of text efficiently

The Prolog language11 was originally invented (1970) for NLP applications. Its syntax is especially suited for writing grammars, although, in the easiest implementation mode (top-down parsing), rules must be phrased differently (ie, right-recursively12) from those intended for a



yacc-style parser. Top-down parsers are easier to implement than bottom-up parsers (they don't need generators), but are much slower.

The limitations of hand-written rules: the rise of statistical NLP

Natural language's vastly large size, unrestrictive nature, and ambiguity led to two problems when using standard parsing approaches that relied purely on symbolic, hand-crafted rules:

- NLP must ultimately extract meaning ('semantics') from text: formal grammars that specify relationship between text units—parts of speech such as nouns, verbs, and adjectives—address syntax primarily. One can extend grammars to address natural-language semantics by greatly expanding sub-categorization, with additional rules/constraints (eg, 'eat' applies only to ingestible-item nouns).
- Handwritten rules handle 'ungrammatical' spoken prose and (in medical contexts) the highly telegraphic prose of in-hospital progress notes very poorly, although such prose is human-comprehensible.

Will NLP software become a commodity?

- Availability of several tools within a package: the user can often set up a pipeline without programming using a graphical metaphor.
- High user friendliness and ease of learning: online documentation/tutorials are highly approachable for the non-specialist, focusing on when and how to use a particular tool rather than its underlying mathematical principles.
- High value in relation to price: some offerings may even be freeware.

Name: Satheesh Natrayan A
Class: 3rd year CSE

GLOBAL TECHNOLOGY ECONOMIC ANALYSIS PARADIGM

Abstract:

Is true that it is not only the consumers that make the economy prosper? Business and government also play a role in the economy of a country and corporation. “The GLOBAL technology economy is driven perhaps by the example of a consumer-based society and capital driven citizenry," according to the article in the investor guide of 2013. The role of the government is very important in businesses, organizations and consumers alike depending on the decisions made by the government officials spending of the government. Research have indicated that dependencies of government, organizations,businesses and consumers are intertwine or intermediary. It is also found the management of losses especially the “Deadweight technology losses” which are the losses of losses; examples are when consumers are lost due to pricing or when businesses are not providing excellent standard Computer or technology products and services.

Keywords:
Organizations, Government, Businesses, Economy, Computer Products, Supply, Demand, Technologies, Management, Engineering, Computers, Pricing, Services, Risk, Privatization

Name: Amirtheswari A
Class: III-CSE

HUMAN COMPUTER INTERACTION

Task Analysis: Support Users in Achieving Their Goals

Introduction:

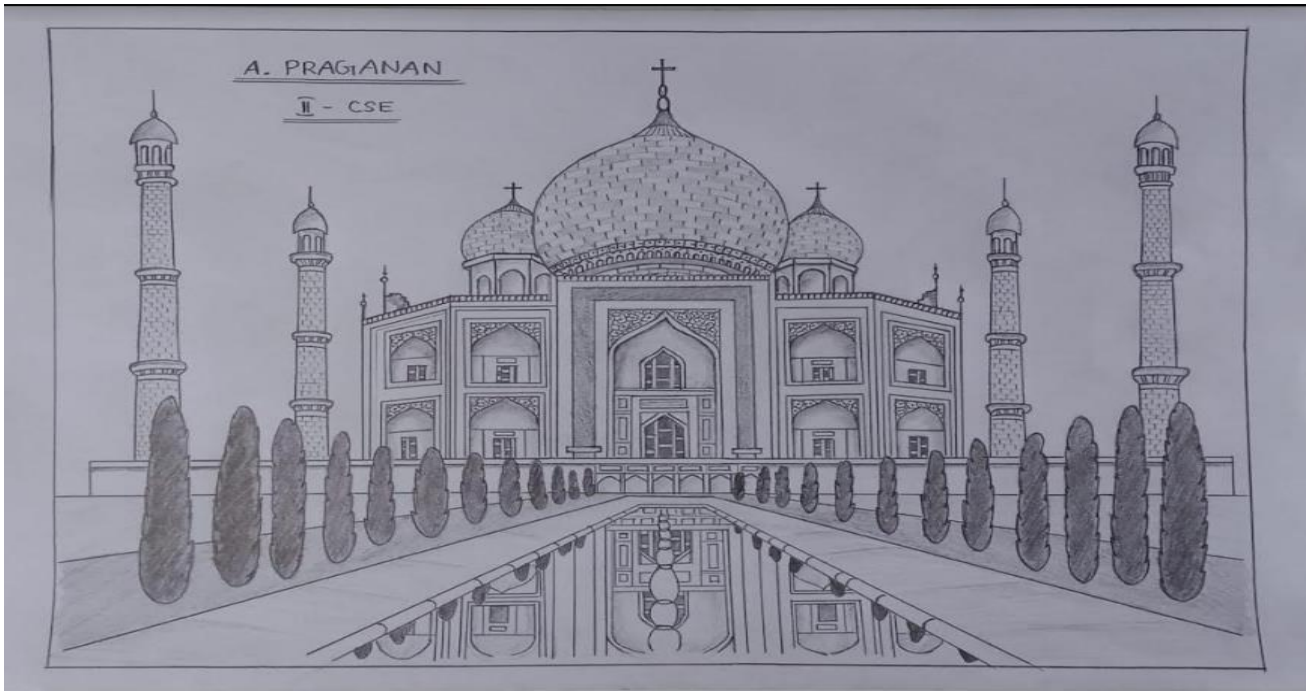
Task analysis refers to the broad practice of learning about how users work (i.e., the tasks they perform) to achieve their goals. Task analysis emerged out of instructional design (the design of training) and human factors and ergonomics (understanding how people use systems in order to improve safety, comfort, and productivity). Task analysis is crucial for user experience, because a design that solves the wrong problem (i.e., doesn't support users' tasks) will fail, no matter how good its UI.

Task Analysis:

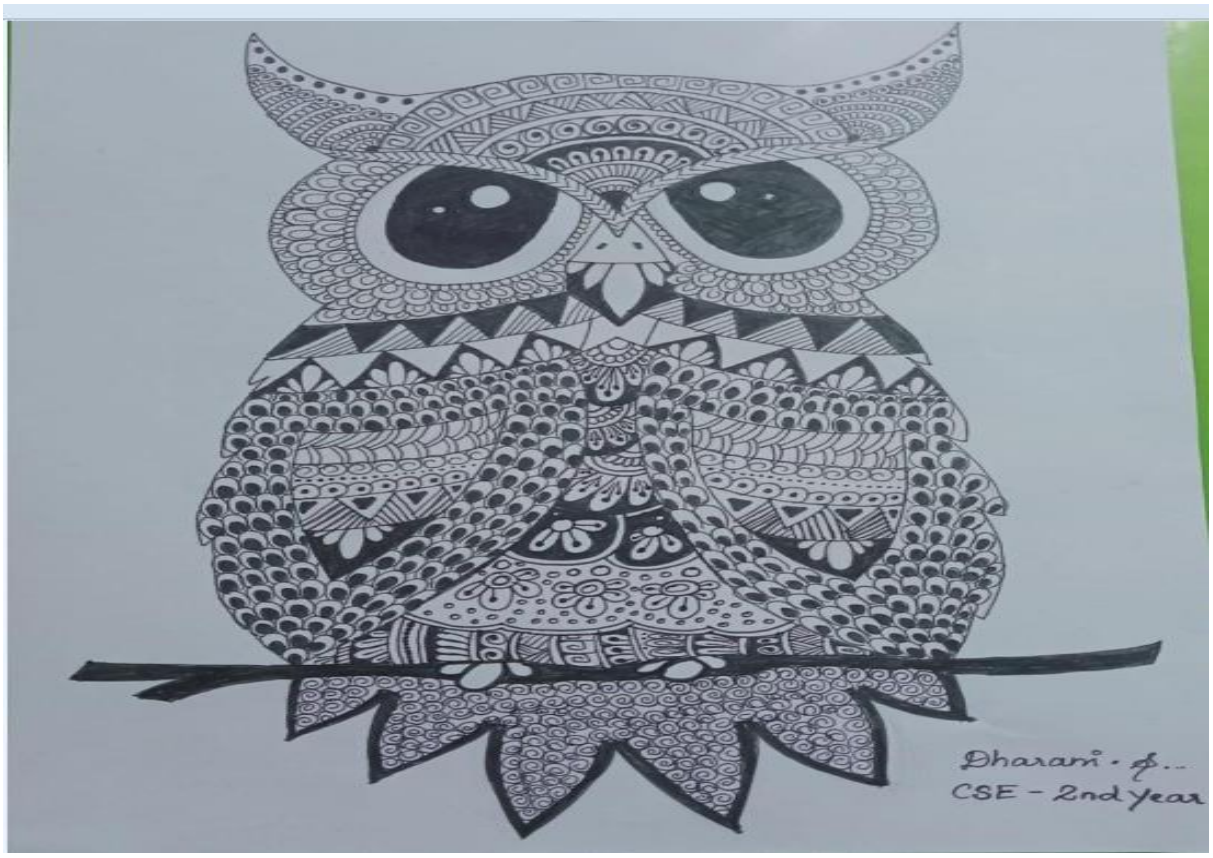
In the realm of task analysis, a task refers to any activity that is usually observable and has a start and an end point.For example, if the goal is to set up a retirement fund, then the user might have to search for good deals, speak to a financial advisor, and fill in an application form — all of which are tasks. It's important not to confuse goals with tasks. For instance, a user's goal isn't to fill in a form.Rather, a user might complete a form to register for a service they want to use (which would be the goal).

Task analysis is slightly different from job analysis (what an employee does in her role across a certain period of time — such as a week, month, or year) or workflow analysis (how work gets done across multiple people). In task analysis, the focus is on one user, her goal, and how she carries out tasks in order to achieve it. Thus, even though the name "task analysis" may suggest that the analysis is of just one task, task analysis may address multiple tasks, all in service of the same goal.Studying users, their goals, and their tasks, is an important part of the design process. When designers perform task analysis, they are well equipped to create products and services that work how users expect and that help users achieve their goals easily and efficiently. Task analysis, as a method, provides a systematic way to approach this learning process. It can be flexibly applied to both existing designs (e.g., the use of an enterprise system) and system-
agnostic processes (e.g., shopping for groceries).

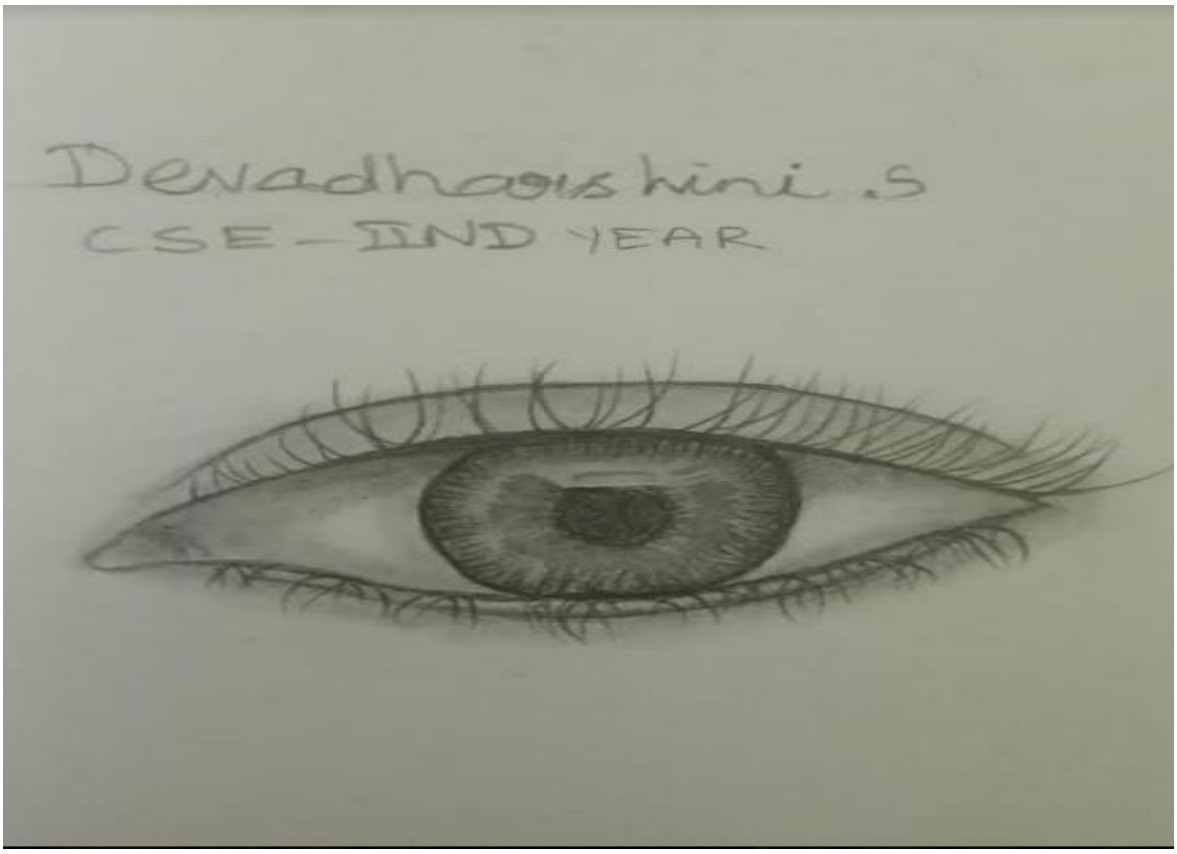
Name: Dharsha .K
Class: III-CSE

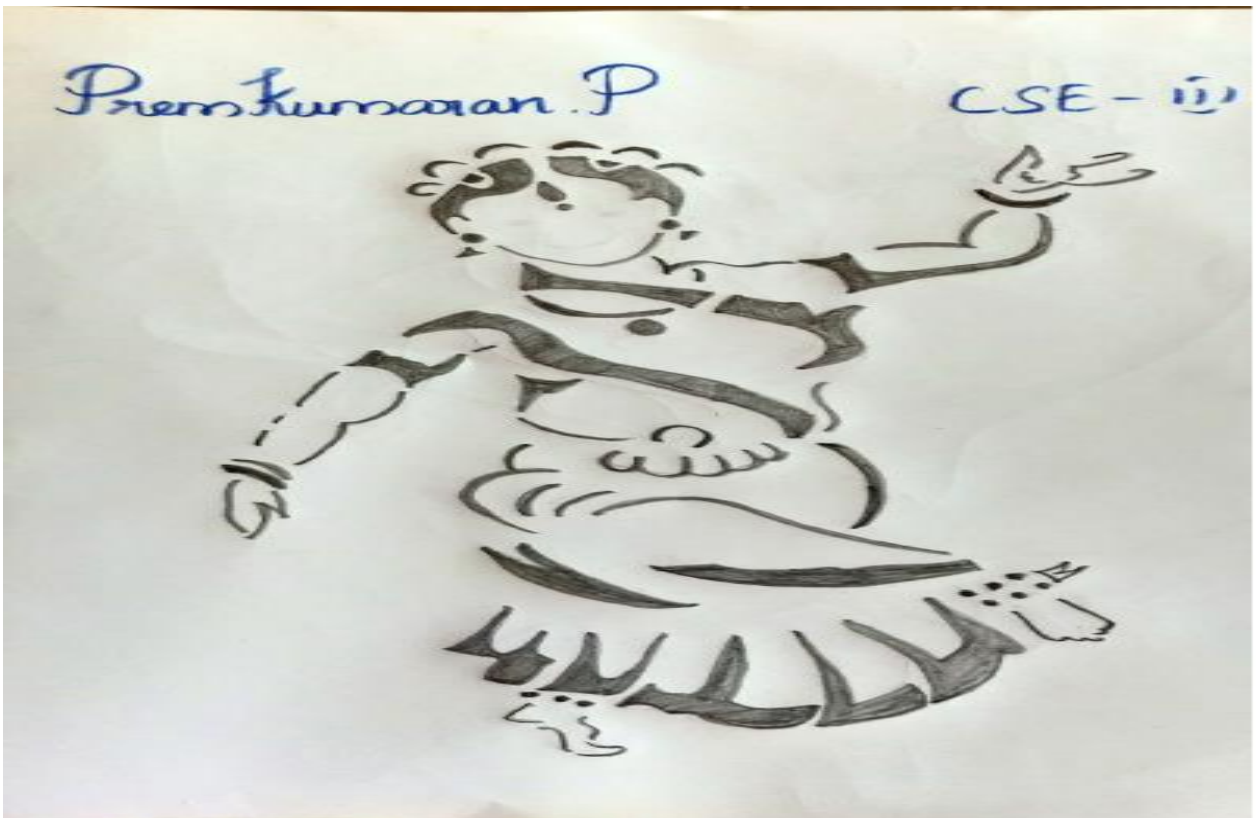

A. PRAGIANAN
II - CSE


L. Brindha
CSE-II


Dharani . S..
CSE - 2nd year


M.P. Sri Navaneetha Swetha
CSE - II


Devadharshini .S
CSE – IIND YEAR


Premkumaran .P
CSE - II