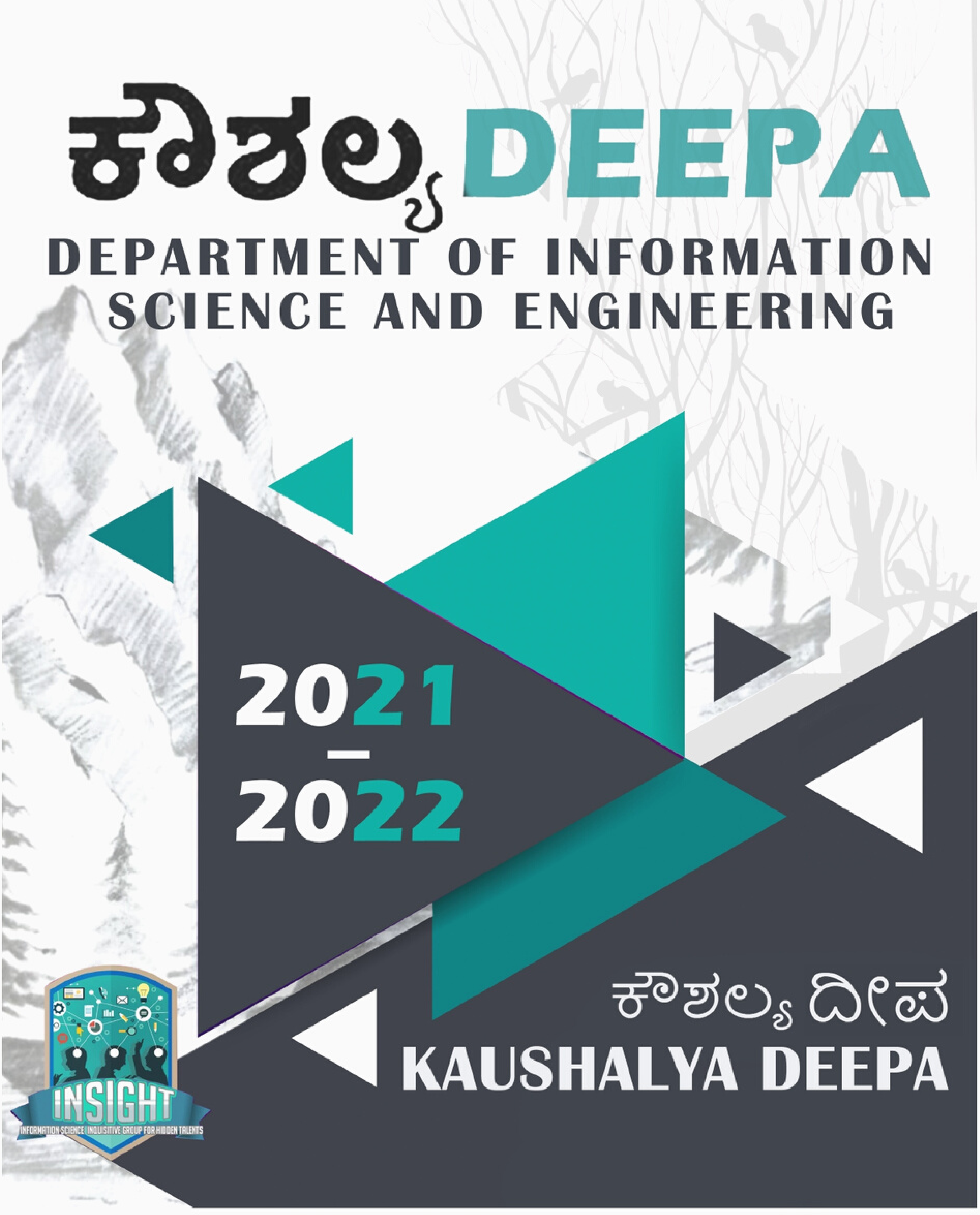
NATION EDUCATION SOCITY ®

JAWAHARLAL NEHRU NEW
COLLEGE OF ENGINEERING.



ಕೌಶಲ್ಯ DEEPA

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

2021
–
2022

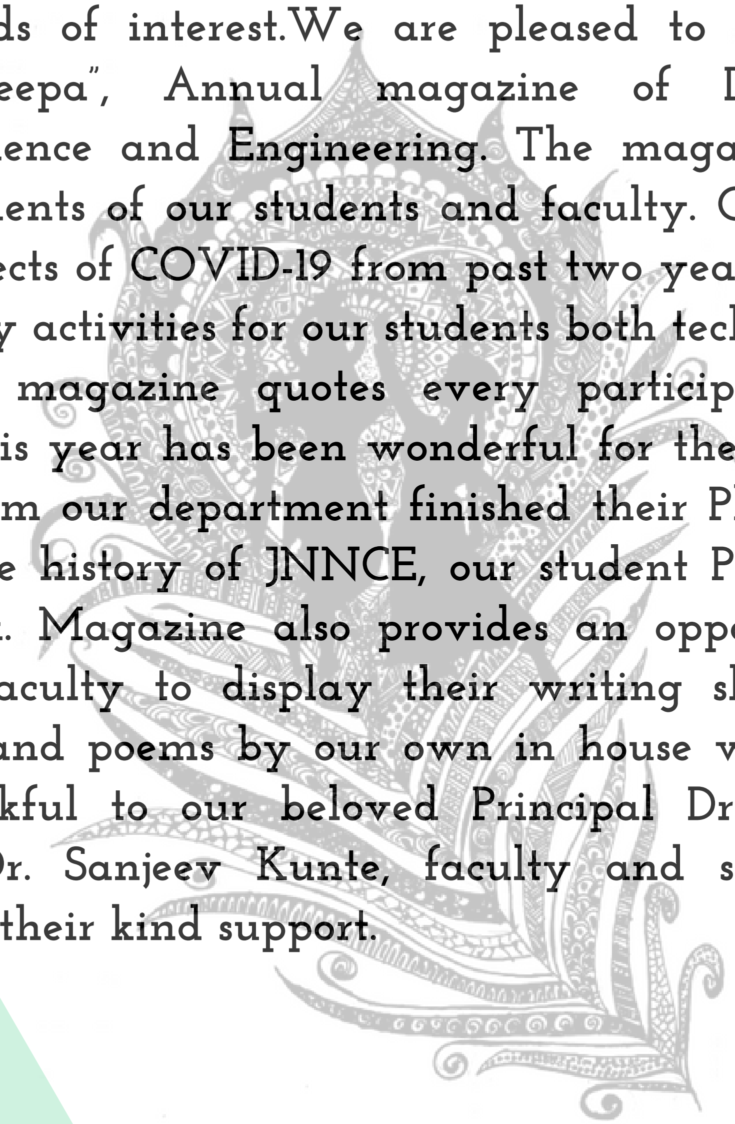
INSIGHT
INFORMATION SCIENCE INQUISITIVE GROUP FOR HIDDEN TALENTS

ಕೌಶಲ್ಯ ದೀಪ
KAUSHALYA DEEPA

PREFACE

“Always walk through life as if you have something new to learn and you will”.

Department of Information Science and Engineering strives to provide quality education by provisioning plenty of opportunities in various fields of interest.We are pleased to present to you “Kaushalya Deepa”, Annual magazine of Department of Information Science and Engineering. The magazine showcases the proud moments of our students and faculty. Overcoming the devastating effects of COVID-19 from past two years, this year we conducted many activities for our students both technical and non-technical. The magazine quotes every participation and the celebrations. This year has been wonderful for the department as four faculty from our department finished their Ph.D and for the first time in the history of JNNCE, our student Pallavi P, scored VTU first rank. Magazine also provides an opportunity to our students and faculty to display their writing skills. We have many articles and poems by our own in house wordsmiths. We are very thankful to our beloved Principal Dr. K. Nagendra Prasad, HoD Dr. Sanjeev Kunte, faculty and students of our department for their kind support.



Rashmi R
Prathima L
Arun kumar P

HOD TALK

Dr. R Sanjeev Kunte
M.Tech., Ph.D.
HOD & Professor

It gives me immense pleasure to write a few lines about our department.

I am very happy to inform that our department is attracting more and more meritorious students during admissions every year.

Students are able to build their good career in the department with the guidance of highly qualified and competent faculties &amp; staff and as well with the good laboratory and other academic facilities. Department has given all the opportunity and platform to students to develop their curricular and extra curricular activities. They participate actively in the activities of the department Technical forum INSIGHT, college level and inter-college competitions. They have been bagging many prizes. Many of them have won prizes in the recent VTU Centre Zone tournament. Placement of students is also increasing year by year. They are being placed in a good number of reputed companies with attractive packages. This year they have got more than 120 offers and some of them have got multiple offers.

Students are enriching their technical knowledge beyond curriculum also. Many of them have successfully completed NPTEL certification courses.Faculties of the department are actively engaged in the research and development activities. Many papers have been published in reputed indexed journals. I am very glad to add that Four of our faculties have obtained their Doctorate degree from VTU in the last academic year.

I am very proud to inform that Ms. Pallavi P secured First Rank with Four Gold Medals in the VTU University examinations of 2020-21 and has brought laurels to the department. Through this, we have made a record in the history of the department and as well the institution for having bagged
the First Rank of the VTU under B.E category, for the first time.

- Dr.R.Sanjeev Kunte
M.tech., Ph.D
HOD & Professor
DEPT of IS&E,
JNNCE,Shivamogga

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Assoc. Professor

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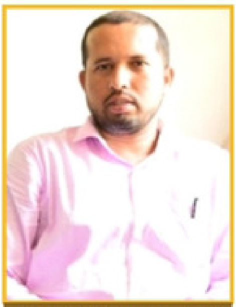
G.V. Sowmya
Asst. Professor

Sudeep Monohar
Asst. Professor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K. B. Sathyanarayana
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Arun Kumar P.
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Asst. Instructor

Pallavi Baliga
Asst. Instructor

Beerappa N.

Yuvaraja D.Y

ಕೌಶಲ್ಯ DEEPA

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Varshini B R, 8th Sem

Vivek Srinivasan,8th Sem

Mohammaed Faizan Ahmed, 8th Sem

FACULTY EDITORS

1. Mrs. Rashmi R
2. Mrs.Prathima L
3. Mr.Arun Kumar P

INSIGHT INAGURATION
(15-11-2021)

INSIGHT 2021
FORMATION
CIENCE
NQUISITIVE
ROUP FOR
IDDEN
ALENTS

GUEST:
Mr. Umesh D.C., Software engineer, Rakuten India Enterprise Pvt.Ltd).

INSIGHT COORDINATORS:

Mrs. Rashmi R.,M.Tech. Assoc Professor
Mr. Arun Kumar P.,M.Tech Asst Professor

Dr. K. Nagendra Prasad, Principal, JNNCE Shimoga
Dr. P Manjunatha, Dean Academics, JNNCE Shimoga

LIST OF EVENTS CONDUCTED IN 2021-22

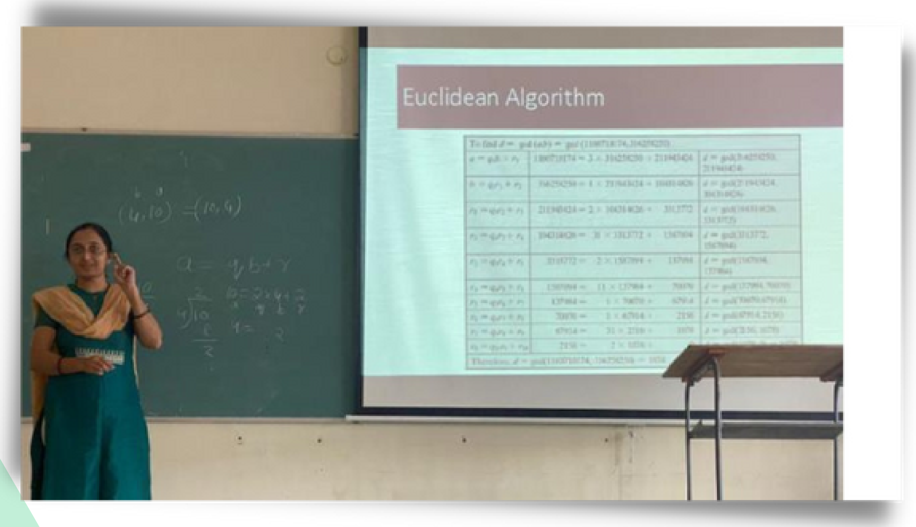
WORKSHOPS AND WEBINARS

1.Optimal placement of Relay stations in wi-Max Networks

Department of ISE has organized an online webinar on the topic “Optimal placement of Relay stations in wi-Max Networks”.The resource person for this workshop was Dr. J Sangeetha, Associate professor, CSE department, Ramaiah Institute of Technologies, Bangalore.
Date: 14th December 2022.
Conducted by:Mr. Akshay M.J and Mr.Vishwas C.G.M , Assistant professor of ISE department

2. Elliptic curve Cryptography”

An Expert talk was arranged on the topic “ Elliptic curve Cryptography” for 7th semester students. The talk was delivered by Mrs. Sheela S, Assistant Professor, department of ECE, JNNCE.
Date: 22nd December 2021 and 08th January 2022
Conducted by:Prof. Pradeep H.K and Prof. Sathyanarayana K.B. of ISE department.



3. Computing constructs for modelling biology

Department of Information Science and Engineering has organized a one week faculty development program on "Computing constructs for modelling biology" .The resource person for this workshop was Dr. Nitin Varma ,Dr. Deepali Gupta, Mahesha BR Pandit.

Date: 04th october to 8th October 2021

Conducted by: Mr. Girish Mantha and Mr. Sudeep Manohar , Assistant professor, Department of ISE, JNNCE.

National Education Society ®
JNN COLLEGE OF ENGG., SHIVAMOGGA
Department of Information Science and Engineering
ATAL
Welcome to the Inauguration of
5-DAY ONLINE FACULTY DEVELOPMENT PROGRAM FUNDED BY AICTE ATAL ON
"Computing Constructs for Modelling Biology"
4th October 2021 (Monday)
9.30AM
4th - 8th October 2021
Venue : Meeting Hall Administrative Block
OD & FACULTY, DEPT. OF INFORMATION SCIENCE & ENGG.

4. Computer Networks and routing and switching

A webinar titled " Computer Networks and routing and switching" was organized from the department. The resource person for this workshop was Mr. Guruprasad K.N, Vice president, AppViewX, Bangalore.

Date: 07th January 2022

Conducted by: Mr. Vishwas C.G.M and Mrs. G.V. Sowmya, Assistant Professor of ISE department,JNNCE.

5.Workshop on document preparation using Latex

Department of Information Science and Engineering has organized a Two days workshop on "Workshop on document preparation using Latex" .The resource person for this workshop was Dr. Pramod kumar, Prof.Darshan, and Mrs. Swetha B, Assistant Professor, ECE department , JNNCE.
Date: 10th and 11th January 2022
Conducted by: Prof. Pradeep H.K and Prof. Sathyanarayana K.B , ISE department.JNNCE

6. Entrepreneurship and startups

Department of Information Science and Engineering has organized a webinar on " Entrepreneurship and startups".The resource person for this workshop was Mr. Mallesh Kumar K.S, Project Manager,CIE, JNNCE, shimoga.
Conducted by: Dr.Jyothi K, Ms. Rashmi R, Mr. Pavan M of ISE department.

LIST OF TECHNICAL EVENT CONDUCTED IN 2021-22

1.Group discussion

Department forum organized group discussion for 3rd, 5th and 7th semester students under the insight banner. The topic was given on spot for the students and there will be a group discussion that helps the student in their Placements.

Date: 07-12-2021

Conducted by: Mrs Rashmi R, Assoc professor and student co-ordinators.

2. Talk on "Personality Development"

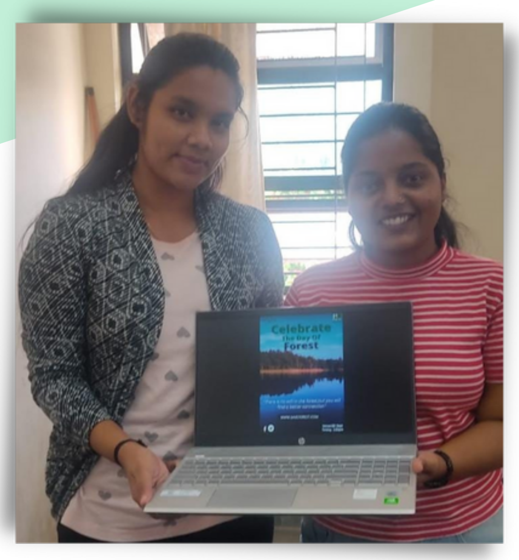
The Department of ISE has organised a talk on "Personality Development" for all the students.It helps students in improving their confidence levels and creating a good and lasting impression on others.

Date:10-12-2021

Resource Person: Dr. Srikanth.K, Director of MBA & HOD of Placement cell, JNNCE.

3.Poster Designing:

The forum has organized an event called Poster designing for insight technical events. Students of all three years were given a chance to design unique logos to the branch forum where the best one is selected as a winner.



4.Toggle the talk:

The Insight forum has organized an event "Toggle the Talk". Students of all three years have participated in this event. Topics were given on the spot and students had to talk about pros and cons each for 1 minute.

4. Logo Guessing

The forum has organized an event called logo Guessing. Where each individual has to guess the particular logo which is displayed on the screen. Those who guessed the maximum number of logos will be the winner.

REDMI NOTE 9 PRO
TASMIYA

5. Memory Quiz

Memory quiz is the best way to check one's memory. In this event electronic devices were kept in a room and participants were given two minutes where one minute to see the devices and another minute to write them down on a piece of paper. Those who listed maximum devices were considered for the prizes.

LIST OF NON TECHNICAL EVENT CONDUCTED IN 2021-22

1.Face Painting

The art of bringing out that inner child in all of us. Under Insight banner face painting competition is organized to get the best face painter in our department.

REDMI NOTE 9 PRO
TASMIYA

2. Rangoli

Rangoli is the best cultural art of India which is presented till now. This cultural art finds its place in almost all the functions carried out. Students participated enthusiastically and presented their ideas using Rangoli.

3. Chess

The game that is interesting and unities people in events and functions is carom. This game united participants from all classes.

4. Carrom

Chess is everything Art, Science and Sports. The masterminds of the branch participated in one of the best mind games, Chess. The last survivor was the grandmaster here.

5. Drawing

Life is an art and live yourself in colors is the famous proverb. The artists of our branch are provided an opportunity to showcase their artistic skill. Each participant will submit their drawings' or paintings and the best one will be awarded.

LAST MINUTE
BUS
INSIGHT

6.Tug of War

Alone we can do so little, together we can do so much is a famous saying. A group people can do many impossible possible. One such group event under insight is tug of war.

7. Cooking without Fire

One of the most awaited event was cooking without fire. Every participant was eager to show the chef within. Number of tasty dishes were made which looked and tastes delicious. Every dish was presented beautifully complementing the taste of the dish.

Paan Ladoo
Cucumb
REDMI NOTE 9 PRO
TASMIYA

Machine Learning

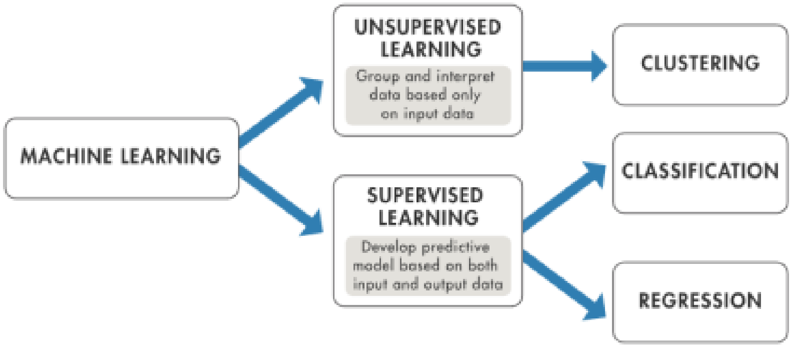
Machine learning is a data analytics technique that teaches computers to do what comes naturally to humans and animals: learn from experience. Machine learning algorithms use computational methods to "learn" information directly from data without relying on a predetermined equation as a model. The algorithms adaptively improve their performance as the number of samples available for learning increases. Deep learning is a specialized form of machine learning. With the rise in big data, machine learning has become a key technique for solving problems in areas, such as:

- Computational finance, for credit scoring and algorithmic trading.
- Image processing and computer vision, for face recognition, motion detection, and object detection.
- Computational biology, for tumour detection, drug discovery, and DNA sequencing.
- Energy production, for price and load forecasting.
- Automotive, aerospace, and manufacturing, for predictive maintenance
- Natural language processing, for voice recognition applications

Machine learning algorithms find natural patterns in data that generate insight and help you make better decisions and predictions. They are used every day to make critical decisions in medical diagnosis, stock trading, energy load forecasting, and more.

How Machine Learning Works

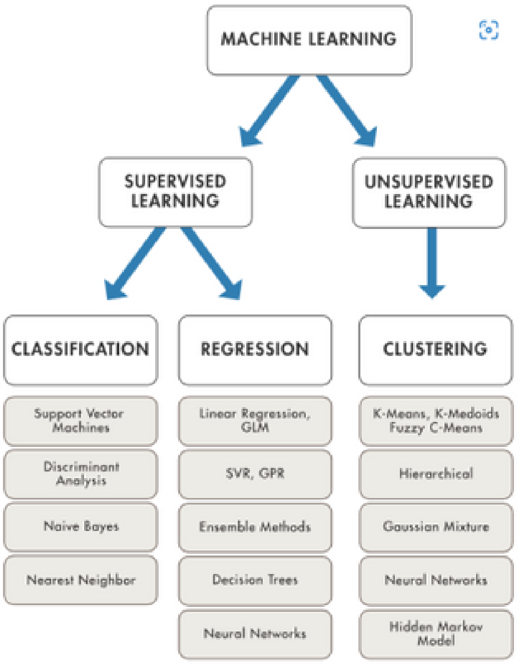
Machine learning uses two types of techniques: supervised learning, which trains a model on known input and output data so that it can predict future outputs, and unsupervised learning, which finds hidden patterns or intrinsic structures in input data.


MACHINE LEARNING
UNSUPERVISED LEARNING
Group and interpret data based only on input data
SUPERVISED LEARNING
Develop predictive model based on both input and output data
CLUSTERING
CLASSIFICATION
REGRESSION

Machine learning techniques include both unsupervised and supervised learning.

Here are some guidelines on choosing between supervised and unsupervised machine learning:

- Choose supervised learning if you need to train a model to make a prediction—for example, the future value of a continuous variable, such as temperature or a stock price, or a classification—for example, identify makes of cars from webcam video footage.
- Choose unsupervised learning if you need to explore your data and want to train a model to find a good internal representation, such as splitting data up into clusters.


MACHINE LEARNING
SUPERVISED LEARNING
UNSUPERVISED LEARNING
CLASSIFICATION
REGRESSION
CLUSTERING
Support Vector Machines
Discriminant Analysis
Naive Bayes
Nearest Neighbor
Linear Regression, GLM
SVR, GPR
Ensemble Methods
Decision Trees
Neural Networks
K-Means, K-Medoids Fuzzy C-Means
Hierarchical
Gaussian Mixture
Neural Networks
Hidden Markov Model

– SUSHMA C R (8TH B SEC)

Smart Agriculture Using Internet of Things(IoT)

Internet of things(IOT) is a group of devices with software,sensors and networking.IOT has helped farmers to reduce costs and increase crop yields.IOT is to provide ideal environment in terms of temperature and soil moisture.By using smartphones and computers users can access the data stored in the cloud.IOT provide and maintain the optimum conditions for the crop.By using this technology, we can increase productivity and can feed more people in future.IOT transforms the agriculture industry with advancements and helps farmers to contend with their challenges.

HARDWARE REQUIREMENTS

1) The Arduino uno 2)Soil Moisture Sensor 3)Temparature and Humidity sensor4)Acoustic Sensor5)Optical sensor.The Arduino uno is a microcontroller card that supports the ATmega328.All sensors are integrated into the Arduino uno.These sensors provide information about the ambient conditions for Arduino uno.Arduino uno send message to farmers with the help of GSM.Soil Moisture Sensor detects soil moisture.The LED output indicate more or less the output in the system.When the ground is dry,the electricity stops flowing and acts as open circuit.When the ground is wet,the electricity passes and the circuit is short,output is zero.It is corrosion resistant.

Temparature and Humidity sensor is use to measure temperature and humidity.This system displays information about how the temperature and humidity works. If the threshold is exceeded,the LED starts flashing and the values are immediately displayed on web page.Acoustic sensor offers various uses in managing the farms.It is quick in response and low cost.These type of sensors work by measuring the alterations in the noise.These sensors are mainly use for monitoring of pests and its detection.Optical sensors use a phenomenon called light reflectance.Ability of soil to reflect light depends upon the varioues parts of the electromagnetic spectrum are tested by these sensors.

TECHNOLOGIES

1) DataBase 2)Zigbee 3)Bluetouth.All the crop data is saved in the database securly,whenever required,user can access the data.Cellular communication is used to get the updates from the field,depends on the bandwidth and other factors user can recieve update.Using satellites for transmitting the data is another way of communication.Zigbee is used in the small range of communication.Depends on the applications it uses network topologies like star.Depends on the distance from farm land to user GSM can be used.Bluetouth communication is wireless.It can communicate data like various parameter readings.It is available in smart phone,unlike Wi-Fi,which requires LAN connection to operate.Depends on the size of the farm land technology changes.

ADVANTAGES

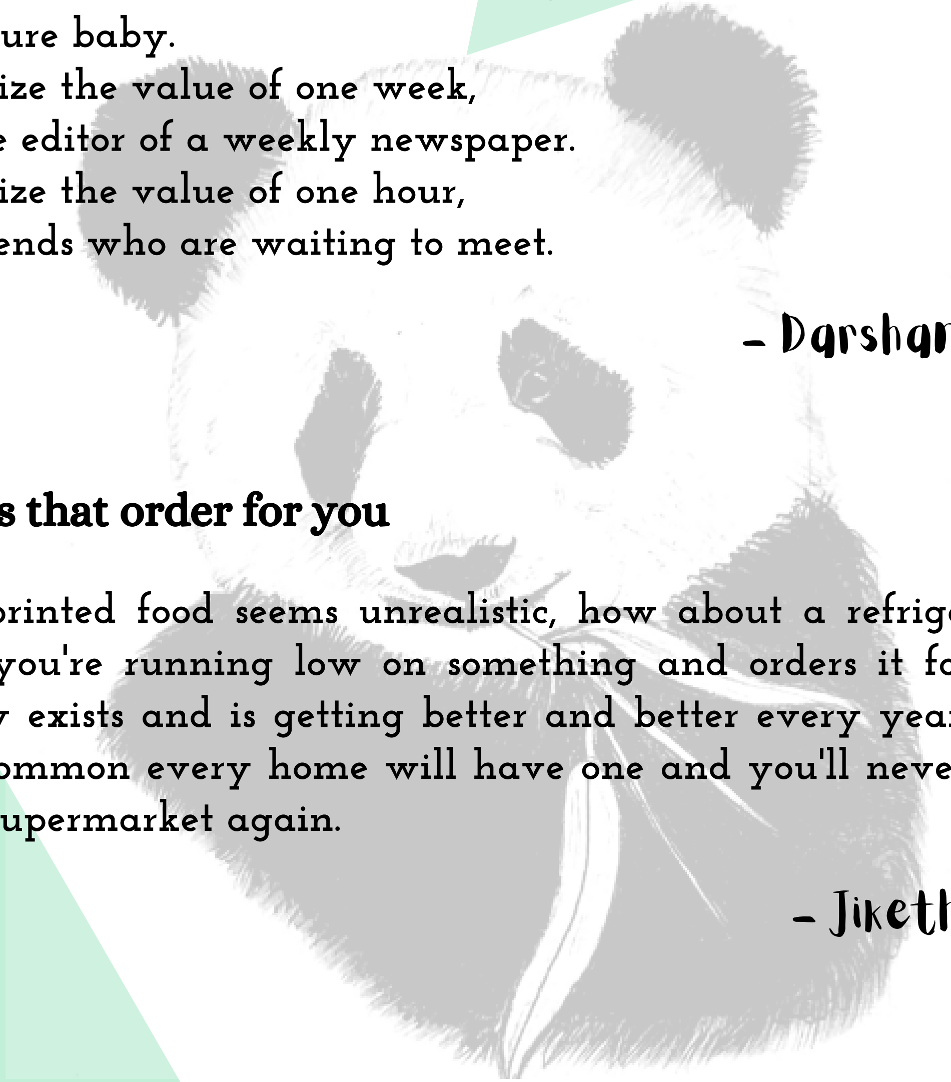
Large farms can be covered by a limited number of farmers.It is time saving,monitoring and providing the condition which are required for plants.Right amount of water is supplied to plants through the irrigation system as excessive watering may damage the plant growth, however, rain water might not be sufficient.Users can balance the parameters to the required levels by using fan's and pump's.Easy to monitor the moisture and temperature levels by getting the alters from the sensors reading.

APPLICATIONS

1)Soil Sampling and Mapping
2)Irrigation
3)Fertilizers.

The main objective of soil sampling is to check the nutrient status of the farm land.Depends on the data provided,remedies can be taken to increase the growth of the crop.Remote sensors are used to get the soil moisture data frequantly to their mobile.Water storage can affect the crops quality and quantity and leads to the deficiency of the nutrients.Wireless sensors are used by the soil and moisture control system.

– BHAVANA M S (6TH A SEC)



Time

Time is the most valuable and precious thing in the world. Also, we should use it for our good as well as for the good of others around us. This will help us and the society to progress towards a better tomorrow. The Value of TIME
To realize the value of one year,
Ask a student who failed a grade.
To realize the value of one month, Ask a mother who gave birth to a premature baby.
To realize the value of one week,
Ask the editor of a weekly newspaper.
To realize the value of one hour,
Ask friends who are waiting to meet.

– Darshan TM (7TH A ISE)

Fridges that order for you

If 3D printed food seems unrealistic, how about a refrigerator that senses when you're running low on something and orders it for you? This tech already exists and is getting better and better every year. Eventually, it'll be so common every home will have one and you'll never need to pop out to the supermarket again.

– Jiketh 25 (STH A ISE)

Being a teenager

"Doing what you like is freedom. Liking what you do is happiness". This is what every teenager feels and find happiness in every aspect of their life. Teenage is denoting a person between 13-19 years old. This is a crucial age from where everyone passes through and faces all the ups and downs of their life and become mature.

In the today's world being a teenage Is not easy. There are different challenges that we have to face,decisions to make and choose the roads to take. During this time, teens are exposed to some overwhelming external and internal struggles. They go through, and are expected to cope with hormonal changes.puberty, social and parental forces, work, and school pressures and so on. But has anyone ever thought what from a teenager goes through? A mind full of thought's, being anxious over small-small things and much more. Not everyone is fake for being cool over social media, most of them suffers. Whether the problem is big or small enough, a problem is a problem and everyday needs a shoulder to heal themselves, need someone to talk, to share their problems and even their happy moments. From head to toe, everything about a teenager is unique. Teenagers are known to be moody. insecure, argumentative n all. Teenager today is known as "Technology Generation".

This is a crucial age from where everyone passes through and faces all the ups and downs of their life and become mature. All they need is a good listener and they fell that very good listener should be one of their parent. A teenager faces a lot of things all together and those things become life lessons for them money, support, power, position everything is secondary, the very first thing a teenager literally begs for is the support. Whatever they feel from inside that matters the most. Teenager should be given more time than internet, gadgets and social media. As time is a medicine for them which really gives better results. No one knows how badly a teenager needs a person to rely upon, a person who could understand, support and trust the, and also who would never judge them. They love being down to earth and that is what everyone should be like, real and open as perfection isn't necessary nor available. Faults make one strong and help one to grow mentally and physically, Generation after generation, trend changes, mindset changes so as people. Hence the teenager should believe in themselves and lead their life and become successful.

"BE WHO YOU ARE AND SAY WHAT YOU FEEL BECAUSE THOSE WHO MIND DON'T MATTER AND THOSE WHO MATTER DON'T MIND"

-Raksha (5TH A ISE)

ಕನ್ನಡ ನಾಡು

ಕವನ ಕವನ ಕವನ ಏನೆಂದು ವರ್ಣಿಸಲಿ ನಿನ್ನ
'ಕ' ಎಂದರೆ ಮನದ ಕತ್ತಲವನ್ನು ತೊಲಗಿಸುವ
'ವ' ಎಂದರೆ ವದನವನ್ನು ಅರಳಿಸುವ
'ನ' ಎಂದರೆ ನಕ್ಕುನಗಿಸುವ
ನಿನ್ನ ಏನೆಂದು ಬಣ್ಣಿಸಲಿ ನಾ
ಕನ್ನಡನಾಡು ಕಲ್ಪಿಸಿದರೆ ಚಂದನ
ನುಡಿದರೆ ನಂದನ
ನೆನೆದರೆ ರೋಮಾಂಚನ
ಅದುವೇ ನಮ್ಮ ಕನ್ನಡ ಮಾತೆಯ ದಿವ್ಯ ಚೇತನ

ಕನ್ನಡವೇ ನಮ್ಮ ಜೀವನುಡಿ
ಕನ್ನಡಾಂಬೆಗೆ ಕಟ್ಟಬೇಕೊಂದು ಗುಡಿ
ಕಾವೇರಿ ತಾಯಿಯೇ ನಮ್ಮ ಜೀವನಾಡಿ
ಕನ್ನಡಿಗರು ಕಾಯುತಿರುವರು ನಮ್ಮ ದೇಶದ ಗಡಿ
ಅವರೆಲ್ಲರೂ ಸೇವೆ ಸಲ್ಲಿಸುತ್ತಿರುವರು ತಮ್ಮ ಜೀವ ಹೂಡಿ
ನಾವು ಕನ್ನಡಾಂಬೆಗೆ ಸೇವೆ ಸಲ್ಲಿಸಬೇಕು ಕನ್ನಡ ಮತನಾಡಿ
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ಎಂದೂ ಅಳಿಸಿಹೋಗಬಾರದು ಅವರು ಕಟ್ಟಿದ ಕನ್ನಡನುಡಿ
ಅವರ ಕೊನೆಯುಸಿರು ಇರುವವರೆಗೂ ಹೇಳಿದರು ಇದೇ ನನ್ನ ಜೀವನುಡಿ

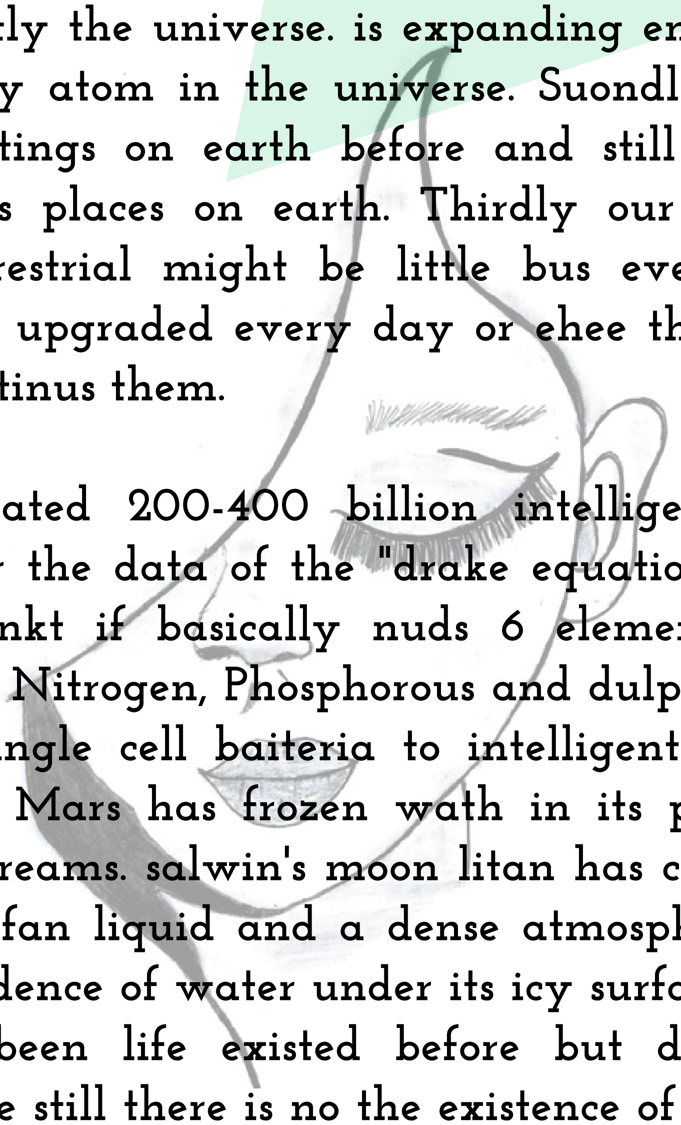
ಕನ್ನಡಾಂಬೆಯ ಧ್ವಜವನ್ನು ನೀನು ಎತ್ತಿ ಹಿಡಿ
ಎಂದಿಗು ಎಂದೆಂದಿಗೂ ನಾವು ಮತನಾಡಬೇಕು ಕನ್ನಡನುಡಿ
ಬದುಕಿರುವವರೆಗೂ ಮರೆಯಬಾರದು ಈ ನಮ್ಮ ಮಾತೃನುಡಿ, ಮಾತೃನುಡಿ, ಮಾತೃನುಡಿ

ಭಾವನಾ ಜಿ.ಟಿ.

-BHAVANA GT (3RD A ISE)

Are We Alone In This Universe?

Are we alone in this uniuem? This is one hard question to answeees, but there sums to be an argument. on the existence of extraterrestrial. Firstly the universe. is expanding entry suond and earth is only a tiny atom in the universe. Suondly people have reported alien sightings on earth before and still continuing to report from various places on earth. Thirdly our undustanding about the extraterrestrial might be little bus even though the technology is being upgraded every day or ehee the humanity is still not ready to witinus them.



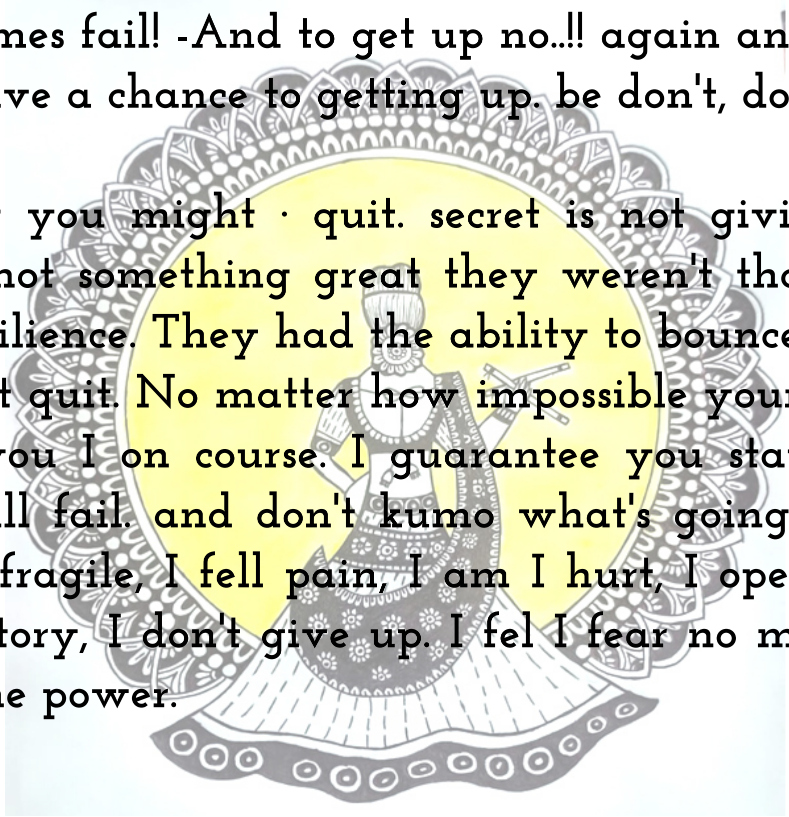
There is an estimated 200-400 billion intelligent civilization outride earth as fur the data of the "drake equation". You life to form on other plankt if basically nuds 6 elements ie Carbon, Hydrogen, Oxygen, Nitrogen, Phosphorous and dulpher. Aliens can de ranging from single cell baiteria to intelligent beings. entro-Biologists day that Mars has frozen wath in its pols that is an evidence of rix & streams. salwin's moon litan has clar evidence of stable bodies of dulfan liquid and a dense atmosphere. Europa & Enceladus have evidence of water under its icy surface. Thise plans there must have been life existed before but due to lack of information on there still there is no the existence of life other than on earth. charity.

-Aditya BH (3RD A ISE)

Never Give Up

But I listened what Jim Lowther said 35 years ago, there cere "don't point & words ever uttered speech anywhere, give up. people didn't. Don't ever give up. Those great
So, I now have. give up t I am a responsibility and also not ever not special. I just listened to that that man said. when I tell there is something in life where life you fall down and. don't have the strength to get I get rep if I give and If I fail I if I fail do you I you feel like. I will up try 108 times..... if I think I am try regain and going you 100 times fail! -And to get up no..!! again and again for as long as I try, I have a chance to getting up. be don't, don't The

No matter what you might · quit. secret is not giving up. Every body who does not something great they weren't that deep. what they had was resilience. They had the ability to bounce back. All the great, they decurt quit. No matter how impossible your situation ma But may kem, you I on course. I guarantee you stay if you quit qurantee you will fail. and don't kumo what's going to happen if you keep going. fragile, I fell pain, I am I hurt, I open my no fear eyes, I create victory, I don't give up. I fel I fear no man, I create, I conquer, I hold the power.

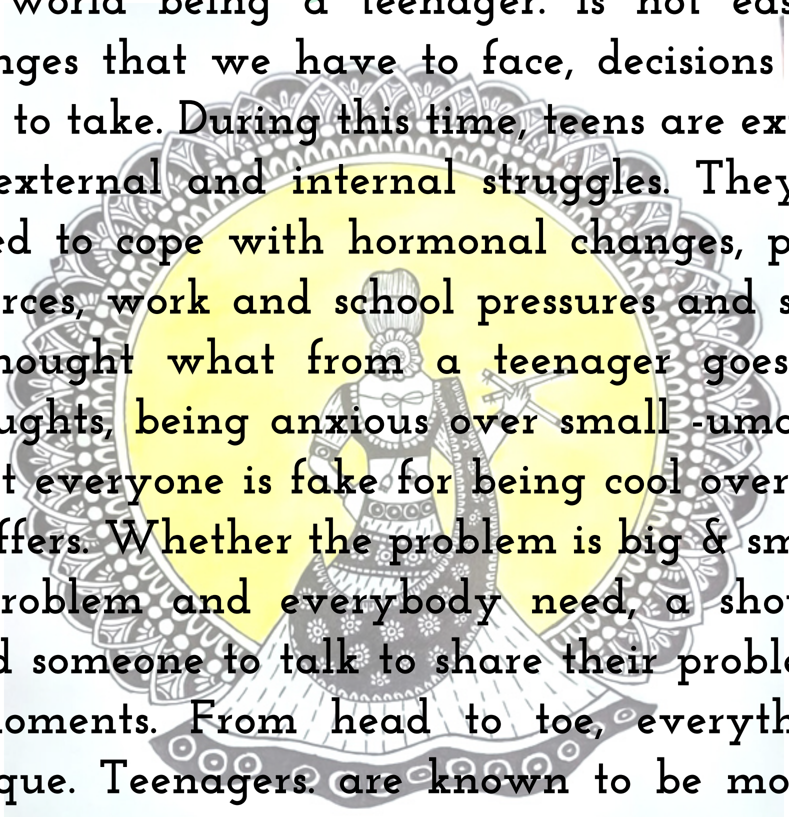


-Samitha NG (5TH A ISE)

BEING A TEENAGER - by a Teenager

Doing what you like is freedom. Liking what you do to happiness." Ints is what every teenager feels and finds hapiness in every aspect their life. Jeenage is denating a peruson between 13-19 years ald. This is a crucial age from where everyone passes through and faces all the ups and downs of their life and become mature.

In the today's world being a teenager. is not easy. There are different challenges that we have to face, decisions to make and choose the roads to take. During this time, teens are expared to some overwhelming external and internal struggles. They go through, and are expected to cope with hormonal changes, puberty, social and parental forces, work and school pressures and so on. But has anyone ever thought what from a teenager goes through? A mindfull of thoughts, being anxious over small -umall things and much move. Not everyone is fake for being cool over social media, most of them suffers. Whether the problem is big & small enough, a problem is a problem and everybody need, a shoulder to heal themselves, need someone to talk to share their problems and even their happy moments. From head to toe, everything about a teenager & unique. Teenagers. are known to be moody, insecure, arquementative n all. Teenager today is known as a "Technology generation."



-Raksha (5TH A ISE)

FACULTY ACHIVEMENTS

- Prof. Raghavendra R.J has been awarded with doctorate degree under Visvesvaraya Technological University under the guidance of Dr. R. Sanjeev kunte, Professor and Head IS&E, JNNCE, for the thesis titled "Approaches for ensuring security in face identification systems against spoofing attacks".

- Prof. Pavan Kumar M.P has been awarded with doctorate degree under Visvesvaraya Technological University under the guidance of Dr Poomima and Dr. HS Narendra Swamy, for the thesis titled "Structure preserving approaches for image abstraction and stylisation"

- Prof. Samara Mubeen has been has been awarded with Ph.D degree in computer science and Engineering under Visvesvaraya Technological University for the thesis titled "Building a framework for performance Analysis of B2B E-Markets using computational models" under the guidance of Dr.K.N. Subramanya , Principal, RVCE, Bangalore and Dr. N.K. Srinath,Retired , Dean Academics, RVCE,Bangalore.

- Prof. Deepa V.B has been awarded with Ph.D degree in Electrical Engineering under Visvesvaraya Technological University for the thesis titled "Effective Adaptation of Fuzzy Controller for congestion control in multicast for wireless network" Under the guidance of Dr. Ushadevi B, Professor and Head, ETE Deaprtment,JNNCE.

STUDENTS ACHIVEMENTS

- Ms. Pallavi P of our Department has secured VTU 1st rank in ISE branch and she has been awarded with four gold medals, R.N Shetty gold medal,VTU gold medal,Smt. Mangala, Sri H.G. Anantharaman Memorial Gold Medal & Jain University Gold Medal.

MS. PALLAVI P

- Sanketh Kashyap K Rand Suraj S M of 3rd semester has participated in Code-Heist- C coding competition held at GMIT, Davanagere on 11th January 2022.
- Sanketh Kashyap K Rand Suraj S M of 3rd semester has participated in Sigma - Havyasa(Hobby project) and won 3rd prize, the event was organized by Department of Electronics and Telecommunications, JNNCE.
- Sanketh Kashyap K Rand Suraj S M of 3rd semester has participated in event "Programiz" and won 3rd prize , the event was organized by the Department of ECE, JNNCE.

- Kavya G S of 5th semester has participated in Talent Battle-TCS ion National level internship eligibility test , TCS, Bangalore on 22nd October 2021.
- Yukta Mukhi V. of 3rd semester has certified in "TCS ion career edge young Professional" TCS, Bangalore on 11th October 2021.
- Yukta Mukhi , Rishitha P, Vaishnavi.M.R has participated and won second prize in the event " Web-a-thon 2.O" , organized by the department of CSE, JNNCE, shimoga
- Puneeth K S ,Vivek Srinivasan,Subramanya K.S. and Tasmiya Mansoor of 7th semester has participated in Hackothsav held at SVMITM college , Udupi.
- Swathi Ravindra Hegde of 3rd semester has won first prize in Throw ball-First Year inter section Sports meet held at JNNCE, shimoga.
- Miss. Navyashree M J of 3rd semester has participated in Dance-Barath Natyam held at Kashi Mahapeetam
- Miss. Bhavana M S of 5th semester has attended Webinar on "Machine Learning with Impact", GSSS Institute of Technology for women, Mysuru.
- Miss. Madhu Nand Meghana Bekal of 7th semester has participated in "Hackathon-Series-2" a State level online coding competition C.I.T. Gubbi, Karnataka
- Miss. Fiza Khanumof 7th semester has participated in EDS Distinguished Lecture on "Re thinking computing with Neuro-inspired learning- device, circuits and algorithms"IEEE student chapter, SJCollege of Engineering, Mysuru.

- Mr. Venktesh G.J of 5th semester has participated in the event Web-a-thon 2.O and won 1st prize , the event was organized by Tech house club, JNNCE, Shimoga.
- Mr. Dhanush Navuda of 5th Semester has won 1st prize in the University level Quiz competition which was held on 11th March 2022 . The Event was hosted by Sahyadri college, shimoga.
- Mr. Dhanush Navuda of 5th Semester has delivered a technical talk on "Domain name and securing protocols" on 4th December 2021 , the event was hosted by Tech house club, JNNCE, shimoga.

STUDENTS PROJECT PUBLICATION

1. Deepika D, Divyashree R, Kavana K, Pooja V Biligi,Pavan , "Survey On Feature Extraction Approach for Human Action Recognition in Still Images and Videos", International Journal of Scientific Research in Computer Science, Engineering and Information Technology ISSN : 2456-3307, Volume8, Issue 3, May-June 2022, pp. 359-369
2. Revathi T, ShrinidhiHegd, Ramya M V, RanjanaShenoyK,Akshay M J, "Smart Home: A Survey On Smart Iot Technologies", International Journal of Creative Research Thoughts (IJCRT), IJCRT22A6471, © 2022 IJCRT, Volume 10, Issue 6 June 2022, pp. 899-908.
3. Priyanka S Shivol, Sampada H. K, Shamitha K. J, Saba Khan&Dr. Raghavendra R. J "Face Biometric Antispoofing Methods: A Survey", International Journal of Advanced Research in Computer and Communication Engineering Impact Factor 7.39, Vol. 11, Issue 3, March 2022, pp. 499-510.
4. Manoj G, Yashas D. S, Jeevan K. P,Likith M, Dr. Raghavendra R. J "A Survey on Anti-Spoofing Methods for Facial Recognition", International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), ISSN : 2456-3307, Volume 8 Issue 2, March-April 2022, pp. 259-268.
5. Shivani C Salian, Amulya P S, Diya, Madhu, Akshay M J, "A Survey on an IoT Based Automated Classroom Appliances Controlling System", International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), ISSN : 2456-3307, Volume 8 Issue 3, May-June 2022, pp. 154-162.
6. Mohammed Ameenul Hasan, Sudeep Manohar, "IoT Based Site Specific Nutrient Management System", ICONIC RESEARCH AND ENGINEERINGJOURNALS, Vol -5, Issue-7, IRE 1703177, Jan-2022, pp. 396-401.

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