



NATIONAL EDUCATION SOCIETY ®

JAWAHARLAL NEHRU NEW COLLEGE OF ENGINEERING



KAUSHALAYA DEEPA

DEPARTMENT OF INFORMATION
SCIENCE AND ENGINEERING

2022-23



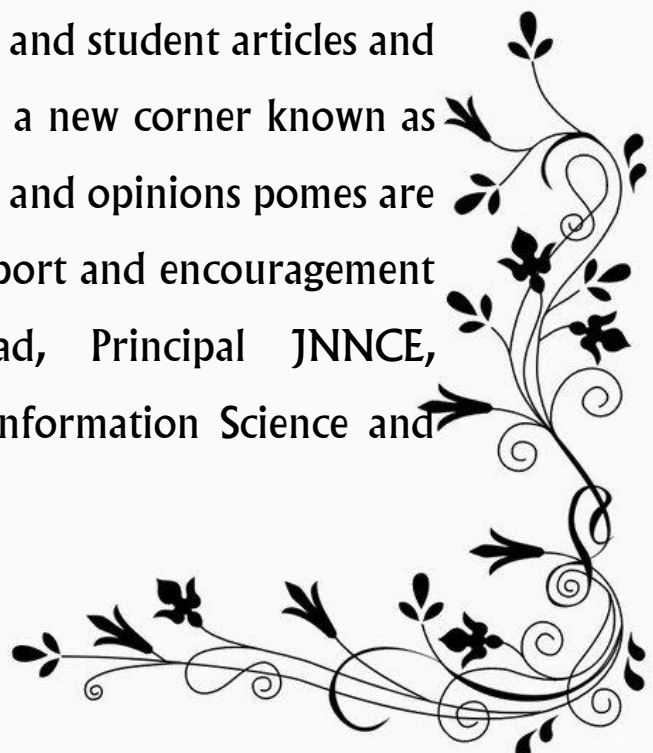
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PREFACE

“Education is the one in which the character is formed, strength of mind increased, intelligent is expanded by which one can stand on their own feet.”

Department of Information Science and Engineering is providing an opportunity and platform to learn and make ourselves ready for future. Department of IS&E publishes “**Kaushalya Deepa**” a yearly Magazine which showcases the various talents and activities conducted by Students in our Department. Ever year various technical and non-technical activities are conducted and students of IS&E of all the semesters will participate in this event. This magazine quotes the events details of activities, students participation, project publications and student articles and their vision. This magazine covers a new corner known as Student Sight where student views and opinions pomes are written. We are happy to get support and encouragement from Dr. K Nagendra Prasad, Principal JNNCE, Dr. R. Sanjeev Kunte, HOD of Information Science and Engineering.



HOD TALK



I am very happy to write again this year a few lines about our department for *Koushalya Deepa*. Foremost is that ISE department got Re-accreditation from National Board of Accreditation (NBA) for another Three years, i.e., from July 2022 to June 2025, which recognizes and speaks of the quality of education and training being imparted to the students by our department.

With a very good infrastructure and academic facilities provided along with the guidance of the highly experienced and qualified faculty & staff of the department, students are excelling in their career.

Many students have enriched their knowledge beyond the curriculum by undertaking and successfully completing the NPTEL certification courses. Students are able to get grants for their good innovative projects from KSCST and they have been publishing papers on their innovative concepts.

I am very glad to mention that the department has signed a MOU with leading industry giant Infosys.

Students actively participate in the technical events conducted under the department Technical forum INSIGHT. They are encouraged to participate in the college and inter-college level technical and cultural competitions to build their leadership and personality. Many of them have prizes in such events.

As usual, more and more students are being placed in reputed companies with good packages. This year they have got more than 125 offers, where some of them have got multiple offers too.

-Dr. R Sanjeev Kunte B.E., M.Tech., Ph.D
Professor and HoD
Dept. of ISE, JNNCE, Shivamogga

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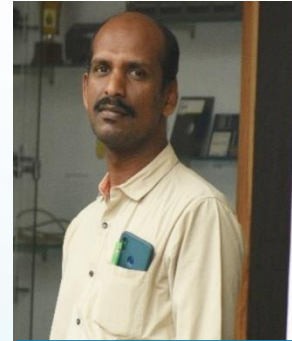
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K.B. Sathyanarayana

INSIGHT INAGURATION (27/12/2022)

2022-23



INSIGHT CO-ORDINATORS:

Dr. Samara Mubeen, Asst. Professor
Sathyanarayana K B, Asst. Professor

CHIEF GUESTS:

Mr. Jeevan C S
Cloud and Data Architect, HCL Technology

Dr. K Nagendra Prasad, Principal, JNNCE

Dr. P Manjunatha, Dean Academics JNNCE

INSIGHT EVENTS 2022-23

TECHNICAL EVENTS

Clash of Coders



The event Clash of coders was conducted on 29-03-2023 Wednesday. Algorithms collide, creating a symphony of logic and innovation. Each coder weaves their intricate web of commands, seeking to outsmart their opponent. Error messages and debugging challenges are overcome with unwavering determination.

Logo Guessing

The event Logo Guessing was conducted on 28-03-2023 Tuesday. Questions were displayed through power point presentation. There were three parts Basic Logo, Famous IT buildings, Logo with Option.



Poster Designing



Poster Designing event was conducted on 08-03-2023. For Poster Designing students were allowed to use tools of their choice based on theme, this time the theme was given on Sports.

Quiz

Quiz event was conducted on 29-03-2023. Quiz was conducted on Quiziz.com an online platform for quiz. Mcq questions were framed based on basic technical concepts.



NON - TECHNICAL EVENTS

Cooking Without Fire



The event Cooking without Fire was conducted on 06-03-2023 Monday. Cooking without fire embraces creativity and resourcefulness in the culinary realm. By harnessing alternative techniques and tools, dishes come to life without traditional heat sources.

Memory Game

Memory Game event on 06-04-2023 Thursday. Participants were allowed to memorize various things kept in the room and had to write the things which were memorized by them.



Painting



Painting event was conducted on 06-03-2023 Monday. Life is an art and live yourself in colours is the famous proverb on painting. In this event each participant will submit their drawing and the best one will be awarded.

Pick and Speak

Pick and Speak event on 06-04-2023 Thursday. Participants has been given different general topics such as time management, importance of the mental health on students, importance of voting for youngsters.



Reels

The Instagram Reels event was conducted as a part of INSIGHT 2k23. Participants had to submit the reels that has been created by them. And the area of topic has been given liberty for the participants to choose on their own.

CULTURAL EVENTS

Rangoli



As a part of INSIGHT 2K23, Department of Information Science and Engineering has conducted Free hand Rangoli Competition. Participants enthusiastically participated in Rangoli competition. The time duration given for the students was 2 hours. Judgment was made based on Overall Appearance, Detailing, Colour combination, Clarity and Creativity with 2 marks for each parameter.

Festive Day



SPORTS EVENTS

Badminton



This event was conducted on 30-05-2023 Tuesday. The air is charged with anticipation as athletes gather on the badminton court for an exhilarating event. Players exhibit agility and precision, their movements synchronized with seamless grace. Badminton reigns supreme, leaving a legacy of passion and excellence

Call of Duty & Ludo

This event was conducted on 20-02-2023 Monday under INSIGHT 2k23. Call of Duty, a gaming phenomenon, thrusts players into heart-pounding virtual battlefields. Strategic thinking is essential as players navigate. Players roll dice, strategically move tokens, and race towards victory.



Carrom



As a part of Insight 2k23, the event Carrom was conducted on 11-04-2023 Tuesday. This Event was conducted as per the rules. Participants has followed all rules and regulations as per the game. Carrom, a tabletop game, captivates players with its blend of skill and precision.

Chess

As a part of Insight 2k23, the event Chess was conducted on 11-04-2023 Tuesday. This Event was conducted as per the rules. Participants has followed all rules and regulations as per the game. Chess is the ultimate battle of intellect and strategy. With elegance and depth, chess stands as a timeless test of mental prowess.



Cricket



As a part of INSIGHT 2K23, Department of information Science and Engineering has conducted Insight Premier League. 6 teams were participated in total of which each team contain 11 members. Knock out matches were played between the teams.

Volleyball & Throwball

As a part of Insight 2k23 Volleyball and Throwball events were conducted on behalf of department of information science and engineering.



Tug of War



As a part of INSIGHT 2K23, Department of Information Science and Engineering had conducted Tug of war event for both boys and girls on April 19th 2023 from 2:30 PM for all the students. Team size for girls=10 & boys=9. Number of teams participated (girls= 4 & boys=4). Matches were conducted as set of 3 knock out tournament was played. The winner team is whichever team won more matches in the set of 3.

THE 3D'S (DIGITAL ECONOMY, DIGITAL DIVIDE, DIGITAL DISTRACTION)

1. Digital Economy

Digital economy (DE) is a collective term for all economic transactions that occur on the internet. It is also known as the Web Economy or the Internet Economy. With the advent of technology and the process of globalisation, the digital and traditional economies are merging into one. This concept of DE focuses on digital technologies and computing technologies. It covers all business, economic, social, cultural etc. activities that are supported by the web and other digital communication technologies. The term was first coined in a book *The Digital Economy: Promise and Peril in the Age of Networked Intelligence* by author Don Tapscott in 1995. There are three components of this economy, namely, e-business infrastructure, e-commerce. In the last 15 years, we have seen the tremendous growth of digital platforms and their influence on our lives. Now consumers are influenced by things they see on social media (Facebook, Twitter, Instagram) and other such popular websites (YouTube etc). So, this economy is a way to exploit this opportunity. Now it is integrated into every aspect of the user's life-healthcare, education, banking, entertainment, etc

Merits of Digital Economy

1. Promotes Use of the internet Today most of our daily work can be done on the internet. The massive growth of technology and the worldwide internet network has contributed to huge investment in hard ware, technological research, software, services, digital communication etc. And so, DE has ensured that the internet is here to stay and so are web-based businesses.

2 Rise in E Commerce The businesses that adapted and adopted the internet and embraced online business in the last decade have flourished. The digital economy has pushed the e commerce sector into overdrive. Not just direct selling but buying distribution, marketing, creating, selling is easy due to the digital economy

Demerits of Digital Economy

1. Loss in Employment The more we spend on technology, the less we depend on human resources. The advancement of the DE may lead to the loss of many jobs, As the processes get more automated, the requirement for human resources like online banking 2 Lack of Experts Of requires complex processes and technologies to build the platforms. Its upkeep required trained professionals.

2. Heavy investment DE requires a strong infrastructure, high functioning Internet, strong mobile networks and telecommunication. All of the is a time consuming and investment heavy process. In India, development of infrastructure network and network is slow, tedious and costly.

2. Digital Divide

At the present times demographics and access to information and communications technology (ICT), and those that don't have (or have restricted access) are generally called the digital divide. It typically exists between urban and rural areas; between educated and uneducated; between socio-economic groups; and between developed and developing countries. This technology includes the mobile phone, TV, PCs and internet. As a developing country India is struggling for lack of access to digital technology and internet services everywhere. Bridging the Digital Divide Bridging global digital divide would enable digital literacy, digital skills, social mobility, economic equality and economic growth can help in the long run.

Indian Digital Divide

COVID-19 pandemic has further deepened India's digital divide. How? Considering 66% of the population living in rural areas, there is a sizeable percentage of marginalised and vulnerable communities, esp., those living in poverty, living in regions where internet access is minimal, who would benefit from the connectivity and opportunities digital technology offers. India's internet user base is 630 million subscribers- the second-largest in the world. India has the lowest mobile data prices offered anywhere. Digital Access Digital inclusion is essential in the post-pandemic scenario as in meetings, classes, social events and other large gatherings have moved to online alternatives to reduce the risk of Covid19. Prior to the pandemic, only 23.8% of households across the country had access to the internet. Of the 66% of India's population that resides in rural communities, only 14.9% have internet access compared 42.8to 42% of urban households.

Gender Inequality in India:36% of Indian males have mobile internet access compared to only 16% of females. This inequality across genders has created greater dependence on men for women, who can't afford a device on their own, rely financially on their spouses in the Indian family context. This reduced women's digital empowerment and independence and their individual growth.

Geographical Divide: The mountainous and remote region in the Himalayas and the sparsely populated deserts or tribal belts face digital exclusion from the rest of Indian society resulting in partitions across the societal fabric.

3. Digital Distraction

With our digital devices buzzing, world more things to entertain us than ever before, it appears that focusing on what matters most is becoming increasingly difficult. Understanding how to stay focused, on the other hand, is exactly what you'll need to get things done and get ahead. Distraction may appear to be more readily available than ever before, yet it is not new. It is our proclivity to act against our better judgement. Surprisingly, simple mortals are prone to distraction due to their lack of willpower.

Technology's Addictiveness

The technologies and their makers, are the simplest culprits to blame for our shrinking attention spans. "The internet is changing our brains," says Nicholas Carr, author of *The Shallows: What the Internet Is Doing to Our Brains*. "The internet was created to be an interruption system, a mechanism that divides attention." Facebook, YouTube, Twitter, Instagram, and other social media platforms have been dubbed "masters of deception" for creating products that people can't stop using. However, as beneficial as these services are, there are a few simple actions we may take to eliminate them We which we receive the distracting messages, recommendations, notifications, that make us feel compelled to check

Is Distraction Beneficial or Harmful?

We miss deadlines, fail lessons, and smash into other cars when we paying full attention to what we should be doing. Distraction does come at a cost. Regardless, we enjoy our diversions What would we do without social media, spectator sports, movies, novels, T shows, the news, and video games? Distractions clearly have advantages. as proven by the fact that practically everyone on the planet seeks them out but why is that? What use do they serve despite the fact that they seem to drag us away from more important things And, when we seem to succumb to dis tractions, how can we verify that they are serving us well?

Help us Feel Better and Eases Pain

The ability of our brains to focus is restrict ed. We can't pay attention to everything going on around us at the same time, so we have to pick and choose what we want to focus on. Consider a new virtual reality experience. A new virtual reality game developed by academics at the University of Washington Seattle, for example, proved the incredible potential of distractions in pain management. In fact, playing the virtual reality game reduced pain more effectively than taking medicine.

NEXT GEN-ENERGY STORAGE

Scientists at the Indian Institute of Science (IISc) have designed a novel ultra-micro supercapacitor—a tiny device capable of storing an enormous amount of electric charge. In the age of the Internet of Things (IoT), artificial intelligence (AI) and machine learning (ML) based models, edge computing devices play a critical role. These are hardware devices that perform data processing and analysis on the edge of a network, closer to the source of the data. Thus, they would also require a continuous supply of energy to power them. Edge computing devices can be as simple as a sensor, a gateway, or a small server. They can be deployed in remote and rugged environments where cloud computing is not feasible or desirable. They are used to overcome the limitations of traditional cloud computing, where data is transmitted to a centralised data centre for processing and analysis. Imagine an edge computing device deployed in a busy traffic intersection or in a remote forest to gather data. They need to operate consuming energy over a long duration without an opportunity to be charged frequently. A supercapacitor is an energy storage device with a unique mechanism to store energy in the form of electrochemical energy, similar to a battery with high-power density, rapid charge/discharge rates, and long cycling life.

STUDENTS SIGHT

Think effectively

A man is made up of this thought and his inner imaginations. Thinking is the hardest work there is, that is why very few engage in it. The only person who makes mistakes is the person who does nothing and that's the greatest mistake of all. If you have a goal in mind, do something about it. Don't wait too long for right time, because the right time is now. Common experiences are that when great demands are made upon us, if only we fearlessly accept the challenge and confidently expand our strength.

Negative news sells faster in our society, more people will choose to watch the criminal trial of a celebrity rather than the biography of a truly great human being. Find your calling. I believe we all have special talents that are just waiting to be engaged in a worthy pursuit. We are all here for some unique purpose, some noble objective that will allow us to manifest our highest human potential while we, at the same time, add value to the lives around us. Finding your calling doesn't mean you must leave the job you now have. It simply means you need to bring more of yourself into your work and focus on the things you do best. It means you have to stop waiting for other people to make the changes you desire and, as Mahatma Gandhi noted: "Be the change that you wish to see most in your world." And once you do your life will change. The way you look, the way you act, the way you talk are the three things which will shape our personality.

- SRIKANTA DATTA KASHYAP (8th SEM)

MY JOURNEY AND MY DISCOVERY

The experiences one has at college and in the department are truly remarkable, and I am immensely grateful for the opportunity to enhance myself through education, forging connections, and immersing myself in the real world and its intricate dynamics of human interaction. Education holds utmost significance in the life of any student. I anticipate being profoundly grateful for how the courses have transformed me into a more accomplished learner, imparting valuable skills in time management and prioritization. As an alumna/alumnus of the college, I am grateful for the exceptional education I received, which will undoubtedly enable me to embark on career I am passionate about.

Our department stands as one of the prime locations for cultivating robust connections that will endure far beyond our four years of study. Not only have I forged friendships with my peers, but I have also had the opportunity to establish connections with our professors, as well as faculty and staff, should I choose to do so. I firmly believe that the most pivotal aspect of relishing college life to the fullest is surrounding oneself with genuine individuals, as these relationships have played an instrumental role in shaping one of the most rewarding experiences of my life within the department. Personally, I am convinced that these individuals will exert a profound influence on my life, and I will treasure the relationships I have forged over these four years.

I am most grateful for the moments I have shared in college with cherished companions who share my interests, as we have the privilege of revelling in them together. Be it educational endeavours, internships, extracurricular activities, or recreational pursuits, each experience serves to better equip us for the realities of the world that awaits us beyond college. In due time, we will look back and be grateful for having been exposed to these diverse situations, both positive and challenging. Overall, I am profoundly thankful for the valuable education I have received, which has empowered me for the future. I genuinely believe that the myriad experiences I have encountered will leave a lasting impact on my life and aptly prepare me for the real world beyond college. There are numerous aspects I am grateful for, and the college experience stands as a significant one among them.

- VAIBHAV N Y(8th SEM)

LIFE VERSUS THE BOOK

A Life and a Book

How very similar are they

With a beginning and an end

Just like a Play!

Some Pages are joyful

Some are Sad,

As Life is sometimes peaceful

And sometimes Sad!

Some pages are colourful and

A shiny sheet in between

Like memorable moments

In life..

Some topics are absolute

Then modified

Like people who

Come and go in life

Like paras in a page

Threr is also a halt in life's race

Which continues with God's grace

Like fresh para starts after some space

Last page ends the book

Like death ends the life

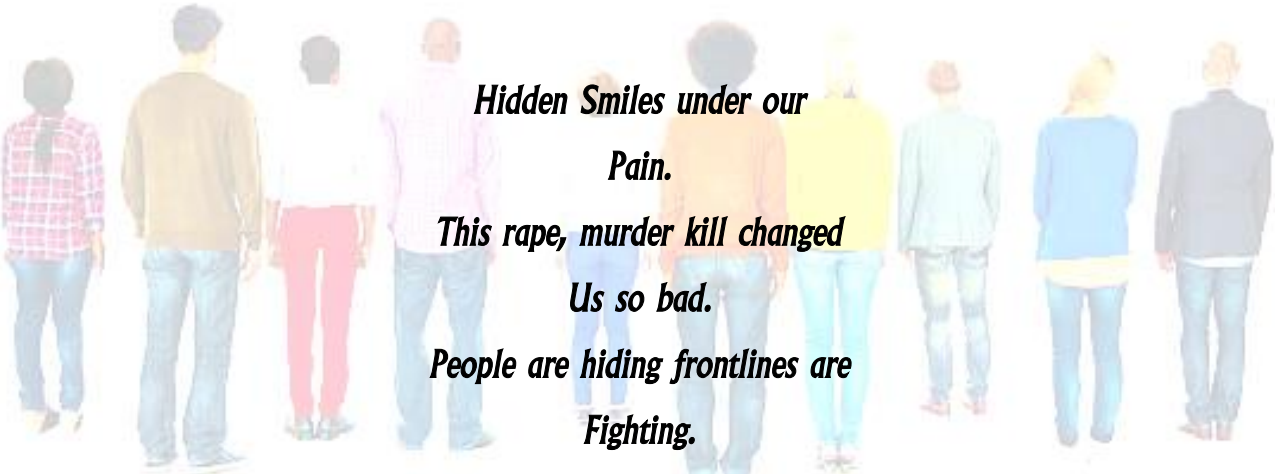
Leaving those people who

Comment about LIFE AND BOOK

- RISHITHA P (6TH SEM)

THE SOCIETY

*This all Social issues
People are unfit
Deadly they be
Foolish Mistakes, stupid
They make.
Each other they do.*



*Hidden Smiles under our
Pain.
This rape, murder kill changed
Us so bad.
People are hiding frontlines are
Fighting.
Public servants are crying
Rape, murder are increasing
and lot are dying.*

*There most common act
Filch from each other they do.
Retribution to hell will be!
It's the place where we learn that when you're sad
this society!*

*Take care every person.
Pray every time and every day.
Be strong and never give up.*

Ananya B C (4TH Sem)

Writing A Poem Is An Art

Writing a poem is an art

And I started to write when I lost my heart!

The moment I met you was a memory

Which got etched in my heart with no thought of worry!

Memories cannot be erased even by the fire

If I say you are not good looking, I will be a liar!!!

To love and marry each other requires basic quality of friendship

Which will be the sailing factor among all hardships

People in this generation think love is to mate

But the basic quality is to communicate

It is okay to love someone as one side

Since loving others will make us fresh and keep our problems aside

We are living in the country with people's interests being diverse

With the young people interested in divorce.

We can solve many things by being compliant rather than making complaint

Being kind and humble will take you to one level

But being honest will make you ANOTHER level.

BHAVANA G T (6th Sem)

THE math of MUSIC

For a long period of time India is called as the land of music. India, which is known for its diversity have many forms of music. CARNATIC MUSIC of southern India that evolved from ancient Hindu traditions and was relatively unaffected by the Arab and Iranian influences from the 12th century. Carnatic music is more thoroughly oriented to the voice. Even when instruments are used alone, they are played somewhat in imitation of singing, generally within a vocal range, and with embellishments that are characteristic of vocal music.

This musical tradition has its own repertoire of actual ragas (melody type, or framework for improvisation) and talas (cyclical rhythmic pattern), and there are many stylistic differences. There is a total of 72 Melakata (framework) ragas in Carnatic music that has been divided into 12 chakras (divisions) according to the pitch of the each ragas in the scale. Mela (sammelanam) means gathering/ coming together. In this aspect, Mela refers to bringing together the seven svaras There are 7 basic musical notes Sa, Ri, Ga, Ma, Pa, Dha, Ni. Sa and Pa have no variation; the rest of the each notes have two variations komal (lower) and tivra (higher). There are total 16 notes. They are Sa, Pa Ga₁, Ga₂, Ga₃, Dha₁, Dha₂, Dha₃, Nil, Ni₁, Ni₂, Ni₃, Ri₁, Ri₂, Ri₃ Ma₁, Ma₂. Contribution of Venkatamakhi Venkatamakhi, was an Indian poet, musician, and musicologist of Carnatic music. He is renowned for his Chaturdandiprakashika in which he explicates the melakarta system of classifying ragas.

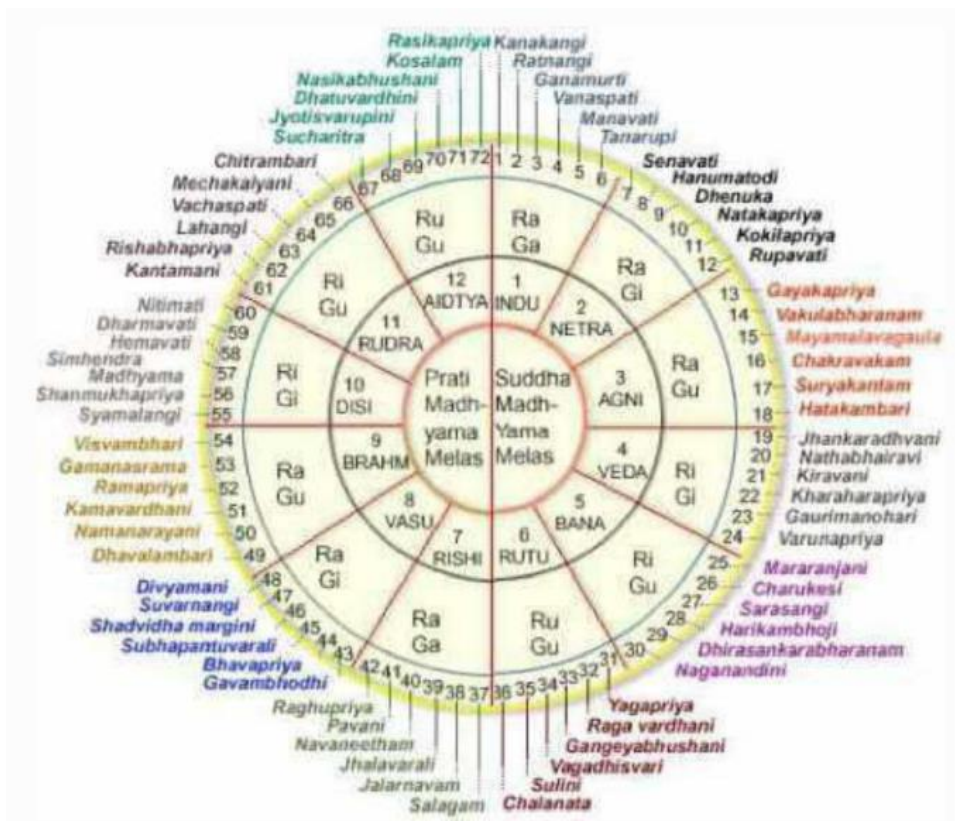
A fascinating insight about Venkatamakhi is that he also authored a work on trigonometry as mentioned by S. Sita in Venkatamakhi- and-72 Melakarta. This mathematical expertise helps explain why Venkatamakhi went far beyond explaining about the ragas prevalent in his time to creating a theoretical framework for raga classification that still exists today. V Raghavan asserts that Venkatamakhi stipulated "that all possible raga

varieties could be brought under 72 major and parent modes called Mela ragas and their derivatives being called janya ragas."

RULES OF MELAKARTHA

1. The 72 Mela (parent) ragas should be divided into 2 sets each containing 36 ragas.
2. The first set consists of M1 and the second set having M2.
3. Both the set have equally 12 chakras. Each chakra having 6 ragas.
4. A particular raga should be arranged in such a way that each notes are arranged according to their pitch.
5. That this the pitch of a note should be lesser than or equal to the successive note.

The ragas arranged in the melakarta cycle as shown below.



- BHOOMIKA S (4th SEM)

STUDENTS ACHIEVEMENTS

1. Sathwik Pai, Nandan Telkar K, Ruchitha P Sarji of 8th Semester has participated in I² CONNECT Project Exhibition (IEEE) with the project titled “Automatic dim and dip of vehicle headlight”, and has secured 2nd place in the event.
2. Preethi T, Nagashri B N of 8th Semester and Navyashri of 6th Semester has participated in world record's mass event organized by Sangamam Global Academy with Department of Tourism of Pondicherry with the Title 'NADANA KALAIKOTHAI'.
3. Srikanta Datta Kashyap and Vaibhav of 8th Semester has Completed “TCS YOUNG PROFESSIONALS” course.
4. Spoorthi J of 8th Semester has secured 1st place in Folk/Tribal Dance, 2nd place in Folk Orchestra, in “VTU Youth Festival” held in Nagarjuna College of Engineering, Chikballapura. Also 1st place in Folk/Tribal Dance in VTU Youth Festival held in SDMIT college of engineering, Dharwad.
5. Suraj S M of 6th Semester has secured 1st place in Folk/Tribal Dance and 2nd place in Folk Orchestra in “VTU Youth Festival” held in Nagarjuna College of Engineering, Chikballapura.
6. Yashaswini KJ of 6th Semester has secured 1st place in Classical Solo Dance in VTU Youth Festival held in Nagarjuna College of Engineering. Also 1st place in Folk/Tribal Dance in VTU Youth Festival held in Nagarjuna College of Engineering, Chikballapura. And also 2nd place in Folk Orchestra in VTU Youth Festival held in Nagarjuna College of Engineering, Chikballapura.
7. Gururaj Nayak of 4th Semester has secured 3rd place in clay modelling in “VTU Youth Festival” held in Nagarjuna College of Engineering, Chikballapura.
8. Monisha D S and Bhoomika Y R of 4th Semester has participated in “International Quiz on English literature part 1 in 2022-23” and won 1st prize.
9. Suraj K M Ullura of 6th Semester has participated in Hiring Challenge conducted by Mysterio 3.0 conducted in JNNCE and won 2nd Prize.
10. Yashaswini K J of 6th Semester has participated in YUVA JANOTHSOVA, Bharatanatyam solo dance competition organized by Karnataka Govt and won 2nd prize.
11. Sanketh Kashyap K R of 6th Semester has participated in Programming Competition under ANVESHANA-2022-23 organized by Department of CSE, JNNCE and won 2nd Prize.

12. Sanketh Kashyap K R of 6th Semester has participated in clash of codes organized by Programming Competition under ANVESHANA-2022-23 organized by Department of CSE, JNNCE and won 2nd Prize.
13. Suraj K M Ullura of 6th Semester has participated in Spy Coder Organized by State level Engineering Students coding Competition, supported by VTU and won 2nd Prize.
14. Suraj S M of 6th Semester has participated in State level dance competition YUVA DASARA state level Dance Competition, organized by Mahanagara Palike, Shivamogga and won 1st prize.
15. Yashaswini K J of 6th Semester has participated in State level dance competition, YUVA DASARA - 2022, organized by Mahanagara Palike, Shivamogga and won 1st Prize.
16. JNNCE-Tech Anveshan – 2022 Innovative Project Exhibition, Nithyashree H, Sameera Nadig A.V, Sujana S. Shetty, Vyshak N. B under the guidance of Mr. Vishwas C G M Project Entitled “Hybrid Chaotic Encryption System” has been adjudged to CONSOLATION PRIZE in JNNCE-Tech Anveshan-2022

STUDENTS PAPER/PROJECT PUBLICATIONS

1. Girish Mantha, Praveen G Shet, Rahul Athreya K, Sathwik P Bhat, Shamanth G, **“A Survey On Virtual Try-On Clothing System”**, International Journal of Advanced Research in Computer and Communication Engineering vol. 12, no. 1, 2023.
2. Srikanta Datta Kashyap AP, Samarth B N, Sathvik S R, Shashikumara K, Dr. Raghavendra R.J, **"A Reviews On Face Anti-Spoofing Methods"**, International Journal of Creative Research Thoughts (IJCRT), vol. 11, no. 3, pp. 331- 338, 2023.
3. Pavan M, Harini M, N.G Sanmitha, Meghana R Gowda, Nagashri B.N, **“Study of Soil Classification by Employing Deep Learning and Machine Learning Methods”**, in Gradiva Journal, vol. 9, no. 5, pp.927-944, 2023.
4. Dr. Raghavendra R. J, Disha Jain, Greeshma Lahari S. N., Bhumika K. R., S. Ayman Shariff, **"Countermeasures to Facial Spoofing Attacks: A Survey"**, in Gradiva Review Journal, vol. 9, ver.3, pp. 452-463, 2023. DOI: 10.37897.GRJ.2022.
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