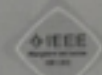


**J N N College of Engineering,  
Shivamogga**

Approved by AICTE, New Delhi, Certified by UGC P.T.U. Accredited by NAAC - B,  
UG programs: CS, ME, EEE, ECE, CSE, ISL, ETE accredited by NBA (1/2019 to 2024/2025). Recognized by Govt. of Karnataka and Affiliated to VTU, Belgaum

The IEEE student branch, in collaboration with  
COSMOS, Department of CS&E, J N N College of Engineering, Shivamogga  
Is happy to invite you for the Inter-Department technical fest - 2K22.



**INVITATION**

**Department of Computer Science and Engineering**

*Cordially invites you to the Inaugural function*



On January 12<sup>th</sup>, 2022 at Time : 10.00 AM

**CHIEF GUEST  
& KEYNOTE SPEAKER :**

**Sri. Shiva Kumar H S**  
Lean Leader, India Technology, Global Research, GE India

**GUESTS OF HONOUR :**

**Sri. A.S.Vishwanatha**  
President, NES, Shivamogga  
**Sri. T.R.Ashwathanarayana Setty**  
Vice-President, NES, Shivamogga  
**Sri. S.N. Nagaraja**  
Secretary, NES, Shivamogga  
**Sri. D.R.Amarendra Kireeti**  
Joint-Secretary, NES, Shivamogga  
**Sri. C.R. Nagara**  
Treasurer, NES, Shivamogga

**PRESIDED BY :**

**Dr. K. Nagendra Prasad**  
Principal, JNNCE

**PRESENCE :**

**Dr. Manjunatha P.**  
Dean Academic, JNNCE  
**Dr. M.M. Rajath Hegde**  
Dean Infrastructure, JNNCE  
**Dr. Poornima K.M.**  
HoD, Dept. of CS&E, JNNCE

**Convener**  
**Mr. S. Sathyanarayana**  
Faculty Adviser, IEEE Student Branch  
Dept. of CS&E.

**Co-conveners**  
**Mr. Nandish M., Mr. Mohan H G & Mrs. Namitha M V**  
COSMOS Coordinators,  
Dept. of CS&E.

<http://meet.google.com/moz-uonr-dyy>

Time : 10.00 AM

Venue : Dr. APJ Abdul Kalam Seminar Hall,  
CSE, JNNCE CAMPUS, Shivamogga

**HOD. Faculty. Staff and Students. Dept. of CS&E**



National Education Society (R.)

# J N N COLLEGE OF ENGINEERING SHIVAMOGGA - 577204

(Approved by AICTE, New Delhi, Certified by UGC 2F & 12B, Accredited by NAAC -'B',  
Programs: CE, ME, EEE, ECE, CSE, ISE, ETE accredited by NBA-1.7.2019 to 30.6.2022, Recognized by Govt. of Karnataka and Affiliated to VTU, Belgaovi)

## Department of Computer Science & Engineering

The IEEE student branch, in collaboration with  
COSMOS, Department of CS&E, J N N College of Engineering, Shivamogga  
is happy to invite you for the Inter-Department technical fest - 2K22.

Internal Quality Assurance Cell



# ANVESHANA

spill the beans

## Technical Fest - 2022

Convener:  
Mr. Sathyanarayana S.  
Coordinator (IEEE) Asst. Prof.  
Dept of CSE, JNNCE, Shivamogga

Co-conveners:  
Mr. Nandish M  
Mr. Mohan H G  
Mrs. Namitha M V  
Co-ordinator(COSMOS), Asst. Prof. Dept of CSE,  
JNNCE, Shivamogga

Student Coordinators:  
Shreyas R Adiga 7892415414  
Sinchana S Nooloo 8482479873  
Shubha M L 63640 85200

Win Cash prize upto Rs.18,000.00  
Grab Attractive Swags and also the  
IEEE Certificates.

Date: 12.01.2022  
Free Registration

### Events

**Clash of Codes:** A program statement will be given for which logic should be built and the given test cases should be satisfied within the specified time period.

**Cryptic Monks:** This is purely based on puzzles and patterns, and should be solved within the specified time limit.

**UI/UX Design:** Participants have to design an user interface for the specified application within certain time limit.

For Registration:



<https://tinyurl.com/Anveshana2K22>

Dr. Poornima K. M.  
HOD, Dept. of CSE,  
JNNCE, Shivamogga

Dr. M. M. Rajath Hegde  
Dean, Infrastructure  
JNNCE, Shivamogga

Dr. Manjunatha P.  
Dean Academic, JNNCE,  
Shivamogga

Dr. K. Nagendra Prasad  
Principal, JNNCE,  
Shivamogga

## Shiva Kumar HS - Lean Leader – India Technology, Global Research, GE India



Shiva's 22+ years career profile encompasses technical, operational, and business development roles with increased responsibilities for several GE businesses.

Strong and demonstrative track record with technical foundation in Aerospace and Structural Engineering strengthened by expertise across Technology (New Technology Introduction, New Product Introduction), Customer Relations (Inquiry to Order, Order to Resources), Manufacturing & Supply Chain, Fleet Management (Services), Data Science and Business Operation value streams.

Currently leading largest lean transformation at GE Technology Centers in India (Bangalore, Hyderabad, Chennai)

Build and execute lean implementation strategy for our technology centers in India with close collaboration with customers, business and function leaders. Additionally, responsible to drive Additive Technology penetration in India market through customer funded R&D programs, Additive business led advocacy campaigns for external funding opportunities, key customers connect in the region by positioning GE store and guide reseller resources to keep the momentum.

Shiva has spent considerable years in developing structural designs and analytical solutions for GE Aircraft Jet Engines like GE90, GE9x, CFM, commercial jet engines operating narrow and wide-body aircrafts. He has led Engineering Operations for GE Aviation based out of John F Welch Technology Center in Bangalore. In his long career at GE, Shiva has worked on GE's Gas Turbines, Power Plant Engineering, Wind Turbine blades and solutions for critical healthcare products.

Prior to GE, Shiva has also worked in National Aerospace Laboratories (NAL), Council of Scientific and Industrial Research (CSIR) lab, Bangalore.

Shiva received master's degree Geo-Structures from National Institute of Technology Surathkal, Karnataka. And proud alumni of JNNCE Civil Engineering 1993-97 batch.

About GE Global Research (NYSE: GE) is GE's innovation engine where new ideas are originated, developed, and productized to create a better world and deliver differentiated products across the company's industrial portfolio. These products span the future of flight, energy transition, and precision health care sectors. He is part of GE Global Research team whose interdisciplinary organization, matching world-class innovation with market insights and industry connections to move faster and deliver better outcomes for GE's businesses and customers.

This rich legacy of delivering transformative innovation is thriving now more than ever at John F. Welch Technology Centre, Bangalore. GE's first and largest global lab outside the United States is in Bangalore, India. The John F. Welch Technology Centre (JFWTC) houses close to 6,500+ GE technologists from Global Research and other GE businesses.





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577204

Department of Computer Science and Engineering  
&  
IEEE Student Branch in collaboration with COSMOS

## ANVESHANA 2K22 SCHEDULE

Note: A link will be sent an hour before the event. Coordinators will communicate through WhatsApp groups

Event Date :12 Jan 2022

Venue: CS Block & MBA Seminar Hall

TIME SLOT	9:00AM-10AM	10AM-11AM	11:15AM-12:15PM	12:30PM-1:00PM	1:00PM-1:45PM	2:00PM-3:00PM	3:15PM-4:30PM	4:30PM-4:50PM	4:55PM-5:30PM
EVENTS	UI/UX Design	INAGURATION	Cryptic Monks (Round1)	Clash of Codes (Round 1)	Lunch	Clash of Codes (Round2)	Clash of Codes (Round3)	Cryptic Monks (Round2)	Valedictory
VENUE	CS Block	CS Block (APJ Abdul Kalam Seminar Hall)	CS Block	MBA Seminar Hall		MBA Seminar Hall	MBA Seminar Hall	CS Block	CS Block (APJ Abdul Kalam Seminar Hall)





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577204  
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## ANVESHANA 2K22 RULE BOOK

Note: A link will be sent an hour before the event. Coordinators will communicate through WhatsApp groups

# CLASH OF CODES

### RULES:

1. Maximum number of participants per team: 2.
2. Participants must be at the event spot 10 or 15 mins prior to the event
3. Only C or C++ languages can be used.
4. At least one **Laptop is compulsory** from each team. Charge your laptops while bringing
5. **Event consists of 3 rounds:**

### ROUND 1: TECHNICAL QUIZ

- Basic programming questions will be asked.
- Platform will be mentioned a day before the event.

### ROUND 2: MIND YOUR LOGIC

- A problem statement will be given. The teams have to write the code.
- Time limit is 60 mins.
- Code will be evaluated for the **test cases**.
- **Test cases are just samples. We can give any input.**
- In case of tie, code efficiency & highest scores for the priority test cases are considered.

### ROUND 3: SURVIVAL OF THE FITTEST

- Teams must match the programs with the correct outputs within the **least possible time**.
- Scores will be based on the number of correct answers and least time taken.
- In case of tie, tie breaker random question will be given.

**Top teams with highest score in 3<sup>rd</sup> round win the event.**

6. Teams with any malpractice are directly disqualified.
7. **Judges decision is final and is not overruled under any circumstances.**
8. Participants can use the compiler of their choice.

**Coordinators:**

Sanath Goutham -6360868897

Shubha M L -6364085398

# CRYPTIC MONKS

## Basic Rules:

1. Maximum number of participants per team: 2.
2. Participants must be at the event spot 10 or 15 mins prior to the event.
3. **Judges decision will be final and will not be overruled under any circumstances.**
4. Malpractices will lead to disqualification.
5. **Event consists of 2 rounds:**

## **Round 1: PAPER AND PEN(MODE)**

### Rules: -

- There shall be questions on puzzles, riddles, image rebus, cryptography decoders and other brain teasers.
- There shall be around 20 puzzling questions.
- There shall not be any multiple-choice questions.
- Total duration of the event is 90 minutes.
- There shall be no negative marking.

## **Round 2: Viva/Quiz**

### Rules: -

- In this round 10 questions will be asked to the top 5 teams. The top 3 teams to score highest marks will be considered as winners.

### **Coordinators:**

Radhika J G - 8431880835  
Sahas S A - 8088525112

# UI/UX DESIGN

## Rules:

1. Maximum number of participants per team: 2.
2. Participants must be at the event spot 10 or 15 mins prior to the event.
3. Plagiarism strictly prohibited!
4. One application will be given for that you have to design the interface within the allotted time.
5. Figma software must be used for designing.
6. Total Duration of the event is 60 minutes.
7. Atleast one **laptop is compulsory** from each team. Charge your laptops while bringing.
8. **Judges decision will be final and will not be overruled under any circumstances.**

## **Coordinators:**

Sinchana S Noole -9482479878

T Vismaya -8088024297



Date: 07/01/2022

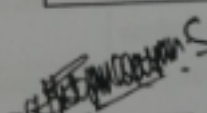
Place: Shivamogga

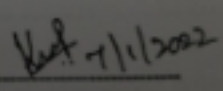
### Proposed budget for ANVESHANA Technical Fest 2022

The following is the list of budgets and their respective cost for conducting ANVESHANA Technical Fest 2022.

Department of Computer Science & Engineering, JNNCE, Shivamogga.

Sl.No	Events	Cash Prize	Amount
1	Clash of Codes	1 <sup>st</sup> Price: 3000 2 <sup>nd</sup> Price: 2000 3 <sup>rd</sup> Price: 1000	6000
2	Cryptic Monks	1st Price: 3000 2nd Price: 2000 3rd Price: 1000	6000
3	UI/UX Design	1st Price: 3000 2nd Price: 2000 3rd Price: 1000	6000
4	Certificates, Banner	2000	2000
5	Swags	2000	2000
Grand Total			22,000

  
Mr. Sathyanarayana S  
IEEE Faculty Advisor,  
Assistant Professor, CSE,  
JNNCE, Shivamogga

  
Dr. Poornima K M  
Professor and Head, CS & E,  
JNNCE, Shivamogga



Date: 07/01/2022

Place: Shivamogga

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4	Certificates, Banner	2000	2000
5	Swags	2000	2000
Grand Total			22,000

Mr. Sathyanarayana S  
IEEE Faculty Advisor,  
Assistant Professor, CSE,  
JNNCE, Shivamogga

Dr. Poornima K M  
Professor and Head, CS & E,  
JNNCE, Shivamogga

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**Department of Computer Science & Engineering**  
in association with  
JNNCE IEEE Student Branch  
COSMOS, Department of CS&E



*Valedictory Program*



on 12<sup>th</sup> January 2022 at 4.30 PM

Presided by  
**Dr. K. Nagendra Prasad**  
Principal, JNNCE

Presence  
**Dr. P. Manjunatha**  
Dean Academics, JNNCE  
**Dr. M.M. Rajath Hegde**  
Dean Infrastructure, JNNCE  
**Dr. K.M. Poornima**  
HOD, CS&E, JNNCE

Convener  
**Sathyanarayana S.**  
Faculty Advisor, IEEEESB

Co-conveners  
**Mrs. Namitha M.V.**  
**Mr. Mohan H.G.**  
**Mr. Nandish M.**  
COSMOS Coordinators, CS&E, JNNCE

Venue : Dr. APJ Abdul Kalam Seminar Hall, CS&E

National Education Society (R.)

J N N College of Engineering, Shivamogga

(Approved by AICTE, New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC - 'B', UG programs: CE, ME, EEE, ECE, CSE, ISE, TCE accredited by NBA: 1.7.2019 to 30.6.2022, Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)



## Proceedings of "ANVESHANA - 2k22 Technical Fest"

In association with IEEE student branch JNNCE, Institution of Engineers  
(India) & COSMOS

<b>Date:</b>	12 <sup>th</sup> January 2022
<b>Chief Guest:</b>	Mr. SHIVA Kumar H S Lean Leader, India Technology, Global Research, GE India.
<b>Participants:</b>	1st, 3rd, 5th, and 7th Semester of CS, IS, EC, ETC, EEE, Civil, Mechanical, AI&ML, and MCA.

The program began with welcome of all the dignitaries and participants with invocation song by Ms. Shubhashree and Ms. Soujanya at 10.00 AM. The program was hosted by Ms. Pavana K P, 5th semester student. Ms. Priya G E, 5th semester student CS&E Dept. delivered the welcome speech. The program was inaugurated by watering the plants. Introduction about the chief guest **Mr. Shiva Kumar H S, Lean Leader, India Technology, Global Research, GE India**, was done by Supriya, 5<sup>th</sup> semester student, Dept of, CS&E, JNNCE at 10.22AM in the presence of students, faculty members, and technical staff of CS&E Dept, JNNCE. DR. Poornima K M, Professor and HoD, Department of Computer Science and Engineering briefed about the introduction of ANVESHANA 2k22 and gave the information about various events like UI/UX design, Clash of Codes and Cryptic Monks carried out in ANVESHANA 2k22.

Later keynote address was delivered by Chief Guest Mr. Shiva Kumar H S about **Connecting Scientific Thinking to Systems Thinking in Industry 4.0 world**, followed by vote of thanks from Ms. Vismaya T, 5<sup>th</sup> semester student CS&E Dept.

After the formal inauguration, events were carried as per schedule.

The program was ended by valedictory function at 4.30 PM at Dr. A P J Abdul Kalam Seminar Hall and was followed with high tea.



Total number of students registered is 460 students. In each team two students were  
For Clash of Codes 260 students participated. Three rounds were conducted. In first round  
teams selected and in second round 10 best teams were selected, in final round top three  
teams were selected for first prize, second prize and third prize. First prize is awarded with a  
cash prize of Rs.3000; second prize is awarded with a cash prize of Rs. 2000; and third prize  
is awarded with a cash prize of Rs.1000. For clash of codes Dr. Sankhya Nayak, Associate  
Professor, CS & E Dept. and Mr. Nandesh M, Assistant Professor, CS & E Dept. were the  
judges.

For Cryptic Monks 130 students participated. Two rounds were conducted. In first round 5  
teams were selected and in final round top three teams were selected for first prize, second  
prize and third prize. First prize is awarded with a cash prize of Rs.3000; second prize is  
awarded with a cash prize of Rs. 2000; and third prize is awarded with a cash prize of  
Rs.1000. For cryptic monks Dr. Chetan K R, Associate Professor, CS & E Dept. and Mr.  
Mohan H G, Assistant Professor, CS & E Dept. were the judges.

For UI/UX design 70 students participated. In that, top three teams were selected for first  
prize, second prize and third prize. First prize is awarded with a cash prize of Rs.3000;  
second prize is awarded with a cash prize of Rs. 2000; and third prize is awarded with a cash  
prize of Rs.1000. For UI/UX design Dr. Manjula G R, Associate Professor, CS & E Dept.  
Mrs. Ganavi M, Assistant Professor, CS & E Dept and Mrs. Namitha M V, Assistant  
Professor, CS & E Dept. were the judges.

**Convener**

  
Sathyanarayana S


IEEE Faculty Advisor

**Co-conveners**

Namitha M V, Assistant Professor, CS&E

Nandeesh M, Assistant Professor, CS&E

Mohan H G, Assistant Professor, CS&E

  
**Dr. Poornima K M**

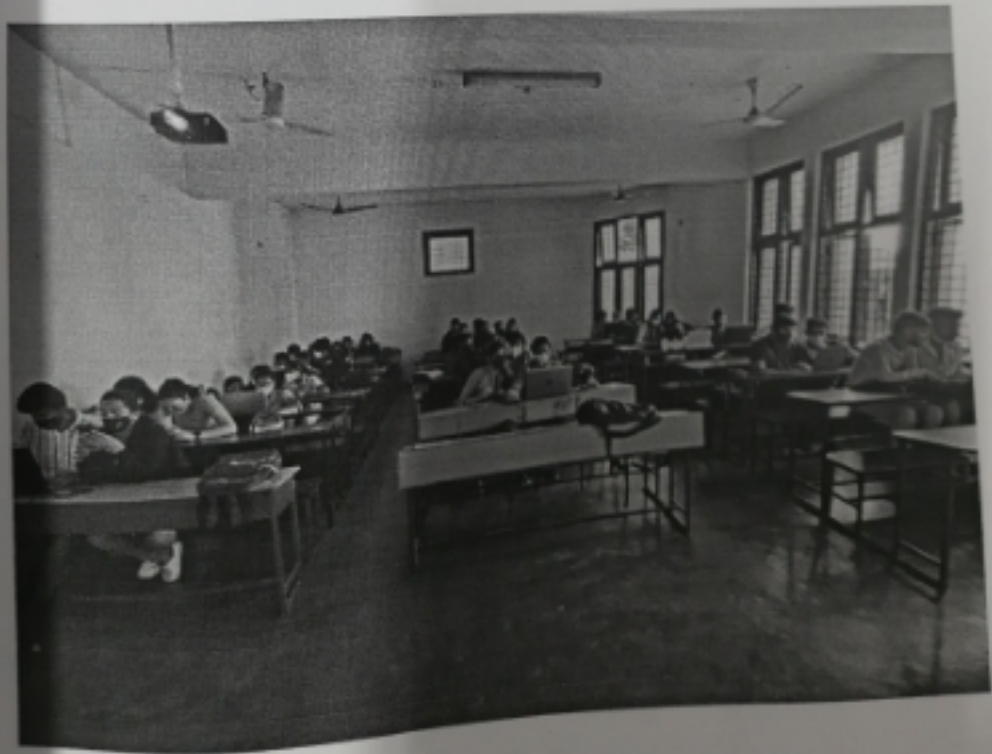
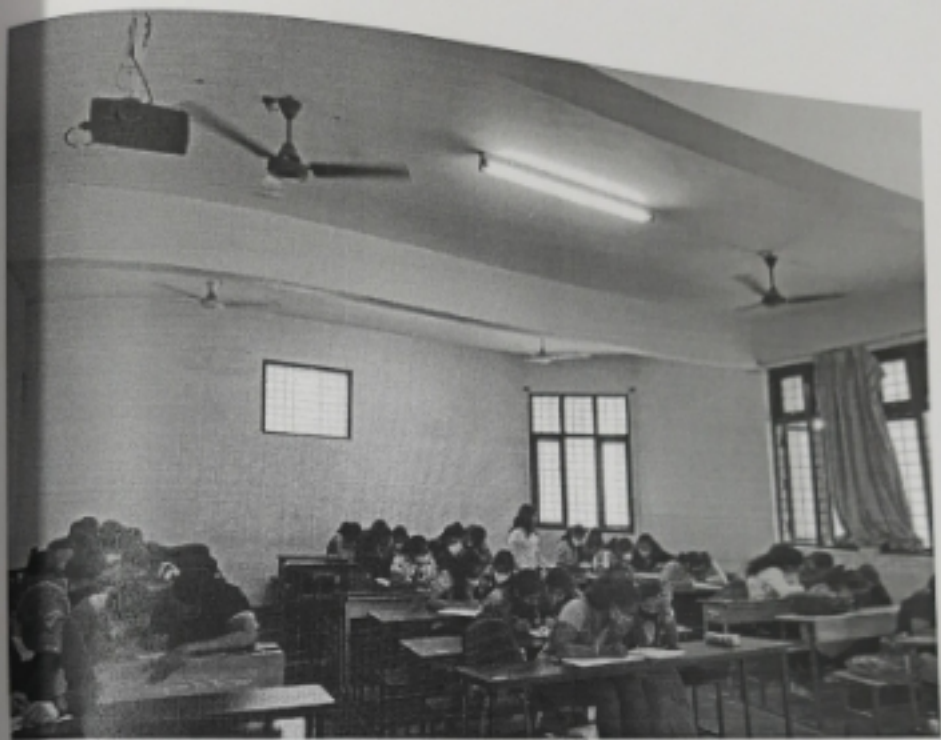
Professor & Head

CS&E Dept,

JNNCE, Shimoga.



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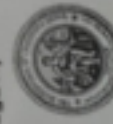
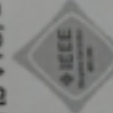
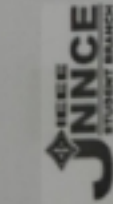




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## Department of Computer Science and Engineering

### Certificate

This is to certify that *Mr./Ms.* \_\_\_\_\_  
has Secured \_\_\_\_\_ in \_\_\_\_\_ on \_\_\_\_\_

*"ANVESHANA-2K22" organized by the Dept. of CS&E, JNNCE, Shimoga in association with IEEE Student Branch JNNCE, Institution of Engineers (India) & COSMOS on January 12<sup>th</sup>, 2022.*

**Mr. Sathyanarayana S.**  
Faculty Advisor, IEEE SB,  
JNNCE, Shivamogga

**Dr. E. Basavaraj**  
Prof. & Faculty Advisor, IE(I),  
JNNCE, Shivamogga

**Dr. Poomima K. M.**  
Prof. & Head, Dept. of CSE,  
JNNCE, Shivamogga

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