

**SRI VENKATESWARA COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING,
DEPARTMENT OF INFORMATION TECHNOLOGY,
FORUM OF DATA SCIENCE ENGINEERS CLUB,
THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS
STUDENTS FORUM - SVCE,**

REPORT ON EASE-THE-ERROR 3.0

The Ease-The-Error 3.0 was a 24 hours hackathon organized by the Forum Of Data Science Engineers (FODSE - SVCE) in association with the Institution of Electronics and Telecommunication Engineers – Chennai Center. The event commenced from 15th May at 10:00 AM to 16th May at 10:00 AM (24 hours). The hackathon took place at the Multi-purpose Hall at Sri Venkateswara College of Engineering. The Ease-The-Error.3.0 challenged students to think out-of-the-box and offer innovative ideas to build smart applications to the given problem statement based on major real-time problems in our society. The event witnessed a participation of a total of 17 teams (87 students) from all over the state.

Details of the event:

Commencement of the event	15th May 2023 (10:00 AM IST)
Ending of the event	16th May 2023 (10:00 AM IST)
Total teams	17 teams
Total participants	87 students
Team size	4-6 members
Venue	Multipurpose hall, SVCE

FLIERS OF EASE-THE-ERROR 3.0



SVCE Sri Venkateswara College of Engineering

FODSE


SRI VENKATESWARA COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
&
DEPARTMENT OF INFORMATION TECHNOLOGY
in association with
FORUM OF DATA SCIENCE ENGINEERS
&
IETE CHENNAI CENTRE

EASE-THE-ERROR

3.0

24 - HOUR INTERCOLLEGIATE HACKATHON

MAY 15 & MAY 16, 2023



Registrations Are Open!!!

Contact: AVINASH
Executive Member IETE, 73580 32302

Contact: ABHINAV KRISHNA
Joint Secretary FODSE, 87542 82272



SVCE Sri Venkateswara College of Engineering

FODSE

FORUM OF DATA SCIENCE ENGINEERS - SVCE
&
IETE - Chennai Centre

EASE THE ERROR

3.0

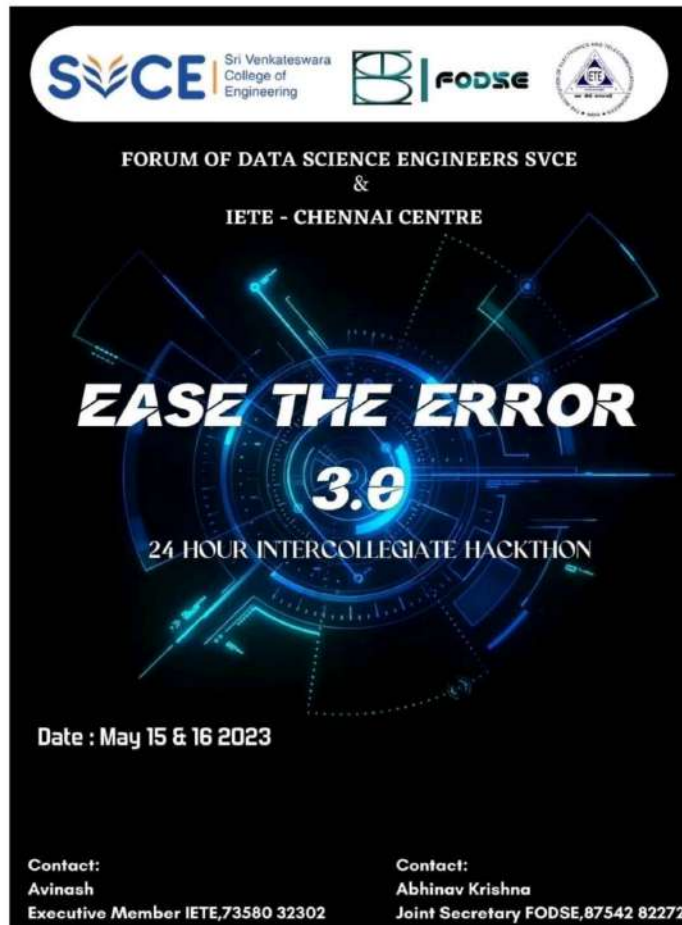
24 - HOUR INTERCOLLEGIATE HACKATHON

REGISTRATION FEE : 350

📅 15th & 16th May 2023 📍 Multi Purpose Hall , SVCE

Contact: Avinash
Executive Member, IETE, 73580 32302

Contact: Abhinav Krishna
Joint Secretary, FODSE, 87542 82272



SVCE Sri Venkateswara College of Engineering

FODSE

FORUM OF DATA SCIENCE ENGINEERS SVCE
&
IETE - CHENNAI CENTRE

EASE THE ERROR

3.0

24 HOUR INTERCOLLEGIATE HACKATHON

Date : May 15 & 16 2023

Contact: Avinash
Executive Member IETE, 73580 32302

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Joint Secretary FODSE, 87542 82272

PROPOSAL FOR THE EVENT

About the Inaugural ceremony:

The inauguration of Ease-The-Error 3.0 commenced on 15th May at 9:30AM with a prayer song by Ms.Ananya, III Year, Biotechnology. Dr.T.J.Jeyaprabha, Associate Professor- ECE delivered the welcome address. Dr.V.Vidhya, HoD-INT addressed the crowd and welcomed all the participants and judges for the event. Dr.K.S.Badrinathan, Dean of Educational Development, the chief guest addressed the gathering and prompted them to build products which would benefit the society. The Ease-The-Error 3.0 countdown of 24 hours began at 10.00 AM shortly after the inauguration.



INAUGURATION OF EASE-THE-ERROR 3.0

About the Event:

A total of 17 teams with 4 to 6 members in each team were shortlisted based on the abstract submitted. The preliminary selection was done based on creativity, originality, technology stack, and feasibility. The selection process was carried out by faculty coordinators and the student mentors from the Forum Of Data Science Engineers. The problem statements for Ease-The-Error 3.0 were aligned with the emerging technologies in the field of engineering.

The domains are:

- Machine Learning
- Blockchain Technology
- Web Development
- Artificial Intelligence
- Cyber Security

During the entire event the mentors and alumni periodically surveyed the progress of all the teams and also provided technical knowledge and mentoring when required. The teams pushed themselves into innovating new models and solutions for their problem statements. Food and refreshments were provided for the participants throughout the event.

About the Judges:

There were three rounds of judging. The first round of judging was done by faculties of SVCE.

- Dr.T.J.Jeyaprabha, M.E., Ph.D
- Dr..N.Devi, M.E., Ph.D
- Mr.S.Elangovan, M.E.
- Mr.P.Arul, M.E.
- Mr.L.K.Balaji Vignesh, M.E., Ph.D
- Dr.P.Leela Rani, M.E., Ph.D
- Mrs.A.Indumathi, M.Tech.
- Mr.Guru Gokul AR, M.E
- Dr.T.Anamalai, M.E., Ph.D
- Dr.Venkatesh.R.J, Ph.D
- Mr.P.Muthukumaran, M.E.

The second round of judging was done by Mr.Pradeepan(2018-2022, IT) and Mr.Maurya(Founder of FODSE). The final round of judging was done by Mr.Shravan Srivasan(2017-2021, IT) and Ms.Uma(Final year, ECE).

Judges for the 1st Round of Ease-The-Error 3.0 :





Judge for the 2nd Round of Ease-The-Error 3.0 :

12B02 Aditya Vardan is presenting

Module and technological stack:
Python Library Packages (ML):

- 1. Keras:** Keras has an Image Data Preprocessing class which allows us to perform data augmentation seamlessly on our dataset. It classifies the medical images using pre-trained module. We use VGG16, Optimisation-RMS prop.
- 2. Matplotlib:** We are using this library to load and view the efficiency of our ML model in the form of a graph.
- 3. Numpy:** A very useful library for performing mathematical and logical operations on our Image pixel Arrays. We'll be using its `expand_dim` class to expand the shape of an array.
- 4. Pillow:** We are using pillow library to load and open the image data in the program. This will return an image object for each image sample. The image object contains the pixel data that can be used to train the learning model.
- 5. Tensorflow:** It is used in this project for performing operations such as rotation, translation, zoom, shearing, flipping before feeding to the CN network.

12:44 AM | rop-txub-tev

Participants: Maurya Vijayam..., Hareshkrishna S..., pragatheeshwar s, Andrew Ng, FODSE, RAJA VISHALINI ..., 4 others, You

Hareshkrishna Sachithanandam is presenting

```

def generate_data(folder, label2int):
    folder_name = os.path.basename(folder)
    labels = list(label2int)
    # generate 100 files
    # generate data for each label
    for label in labels:
        # generate data for each label
        print("Generating", os.path.basename(folder), label, "...")
        for i in range(100):
            # generate data for each label
            output_file = os.path.join(folder, label, str(i) + ".csv")
            print("Saving", output_file)
            # save data to file
    # generate the files for all data partitions, labeling benign and malignant separately
    # as a dict, and return as a dict
    # you should replace "data" path to your real-world dataset path
    # also you should replace "data" path to your real-world dataset path
    generate_csv("data/train", "train", "benign", "malignant", "benign", "malignant")
    generate_csv("data/test", "test", "benign", "malignant", "benign", "malignant")
    generate_csv("data/dev", "dev", "benign", "malignant", "benign", "malignant")

```

1:01 AM | rop-txub-tev

Aswin Kumar is presenting

```

# Model fitting (Naive Bayes)
from sklearn.naive_bayes import MultinomialNB
classifier = MultinomialNB()
classifier.fit(X_train, y_train)

# Generating an classifier for later use to predict on
secret_path = "secret_path"
secret_data = load_data(secret_path)

# Model performance
y_pred = classifier.predict(X_test)

from sklearn.metrics import confusion_matrix, accuracy_score
cm = confusion_matrix(y_test, y_pred)
accuracy_score(y_test, y_pred)

```

2:05 AM | rop-txub-tev

People

- Add people
- Adarsh S
- Agnes Rose
- Andrew Ng
- Aswin Kumar
- Aswin Kumar Presentation
- BALASARASWATHY B ECE
- FODSE
- Maurya Vijayaramchand...
- pragatheeshwar s

Judges of the final round of Ease-The-Error 3.0 :



About Valedictory:

The valedictory event of Ease-The-Error 3.0 commenced on 16th May 2023 at 1:30 PM. The final judging was done by Mr.Shravan Srinivasan, IT department alumni and Ms.Uma, final year - ECE. The results of Ease-The-Error 3.0 were announced. The winners were provided with cash prizes and certificates.

The winners were awarded a cash prize of Rs.10000/- for first place and Rs.5000/- for second place. Rs 2000/- for the budding Innovators of the event. Mementos were provided to the the alumni for gracing the event with their presence. Dr.N.Devi ASP INT, delivered the vote of thanks. The event ended successfully with the National Anthem.

Winners Of Ease-The-error 3.0:

Position	Team Name	Problem Statement	Team Details
Winner	Hacker Demons	Machine Learning	Rohith V (SVCE - I year ADS) Pooja A (SVCE - I year ADS) Pradeep Krishna J (SVCE - I year ADS) Kavin Bharathi K M (SVCE - I year CSE)
Runner Up	Soul buddies	Artificial Intelligence	Theeran A (SVCE - I year INT) Roshan M (SVCE - I year ECE) Praveen Chandru S (SVCE - I year INT) Vijay Saravanan R G (SVCE - I year ECE)
Budding Innovators	Sinister six	Web Development	Mukesh S (SVCE - II year ECE) Rajeshwaran R (SVCE - II year ECE) Raajkumar S (SVCE - II Year ECE) Ajay Narayanan K (SVCE - II year CSE) Amarnath S (SVCE - II year ECE) Ram Naresh Surya M S (SVCE - II year MEC)



WINNERS OF EASE-THE-ERROR 3.0

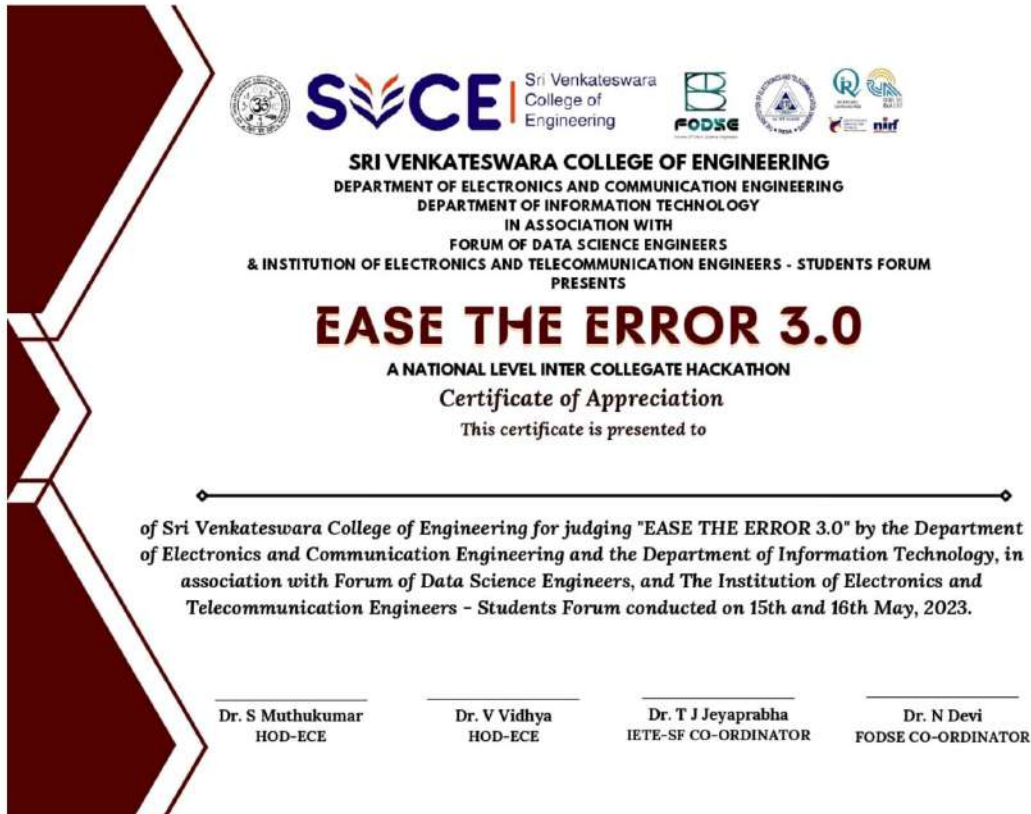


RUNNER UP OF EASE-THE-ERROR 3.0



BUDDING INNOVATORS PRIZE WINNER OF EASE-THE-ERROR 3.0

Sample Certificates:



This certificate features a dark red and white geometric border on the left side. At the top, it displays the SVCE logo and the Sri Venkateswara College of Engineering name, along with logos for FODSE, IETE, and NIRF. The text identifies the organizing departments and the event, 'EASE THE ERROR 3.0'. The certificate is presented to the college for its role in judging the hackathon.

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PRESENTS

EASE THE ERROR 3.0
A NATIONAL LEVEL INTER COLLEGE HACKATHON
Certificate of Appreciation
This certificate is presented to

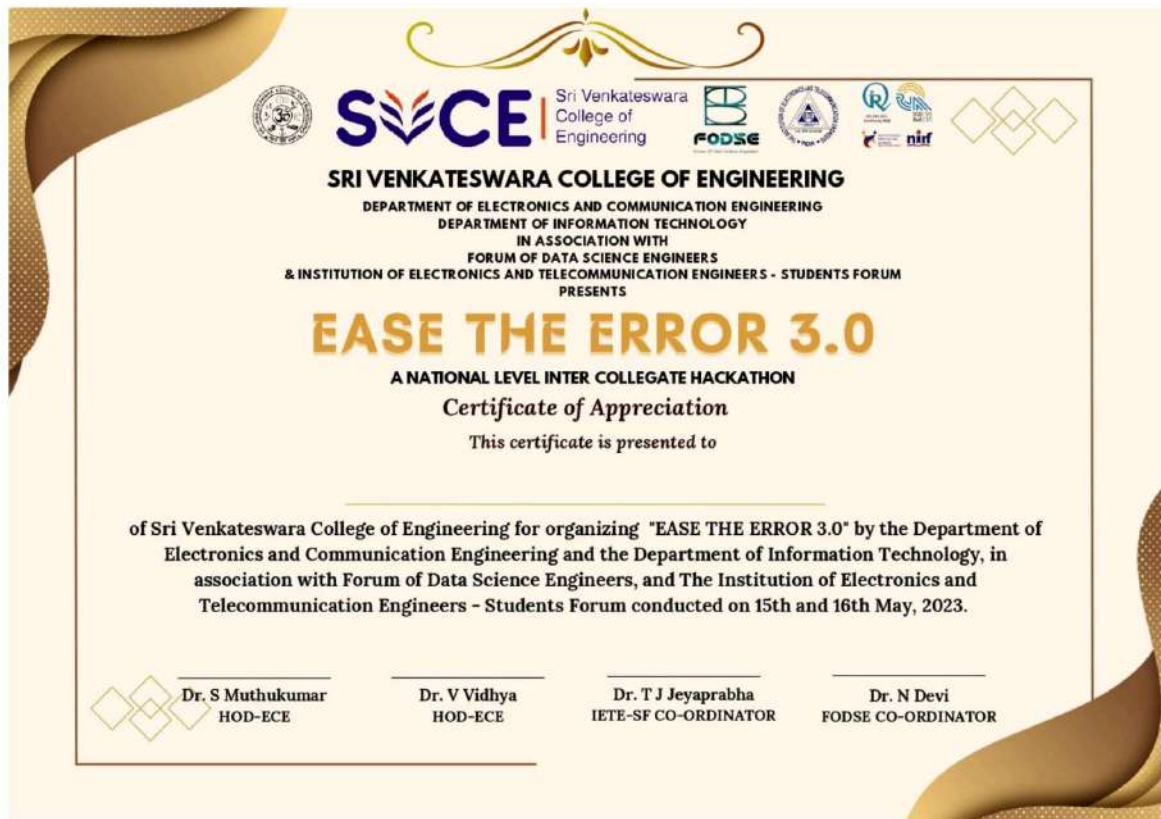
of Sri Venkateswara College of Engineering for judging "EASE THE ERROR 3.0" by the Department of Electronics and Communication Engineering and the Department of Information Technology, in association with Forum of Data Science Engineers, and The Institution of Electronics and Telecommunication Engineers - Students Forum conducted on 15th and 16th May, 2023.

Dr. S Muthukumar
HOD-ECE

Dr. V Vidhya
HOD-ECE

Dr. T J Jeyaprabha
IETE-SF CO-ORDINATOR

Dr. N Devi
FODSE CO-ORDINATOR



This certificate has a gold and white decorative border. It follows the same layout as the first certificate, but the main title 'EASE THE ERROR 3.0' is in gold. The text describes the college's role in organizing the hackathon.

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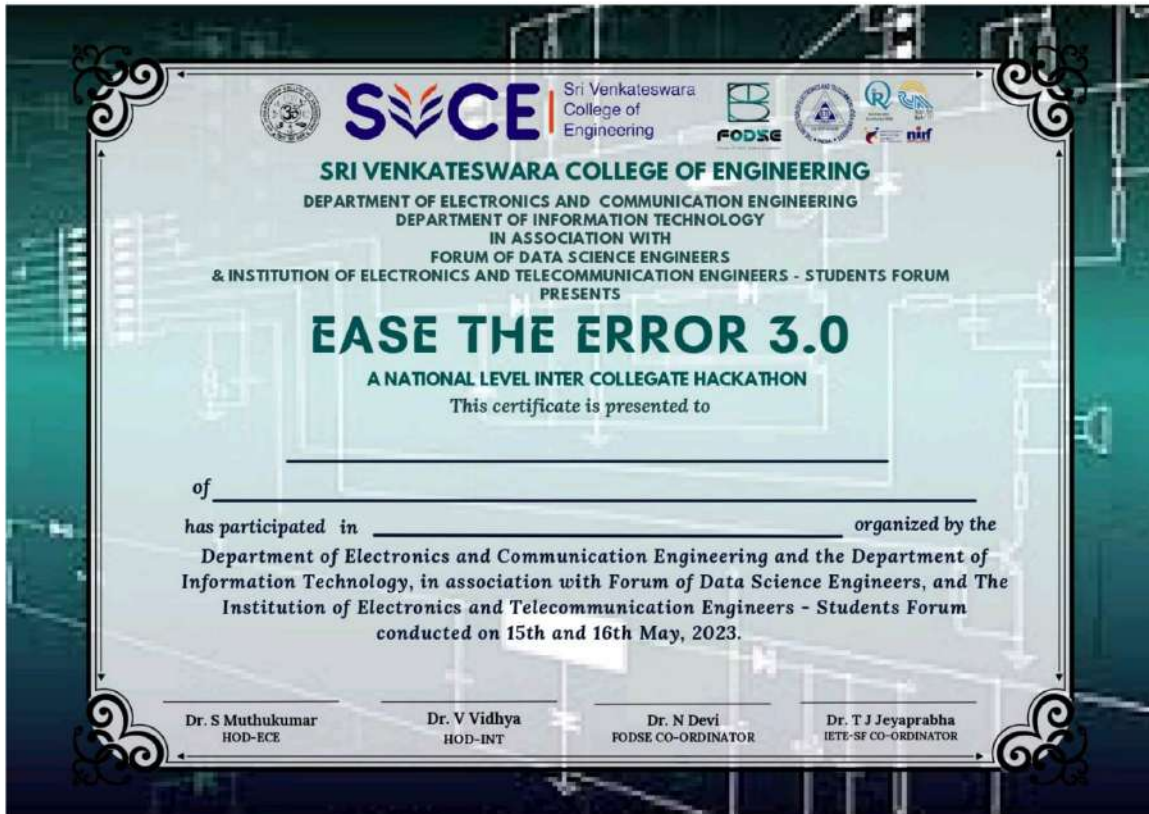
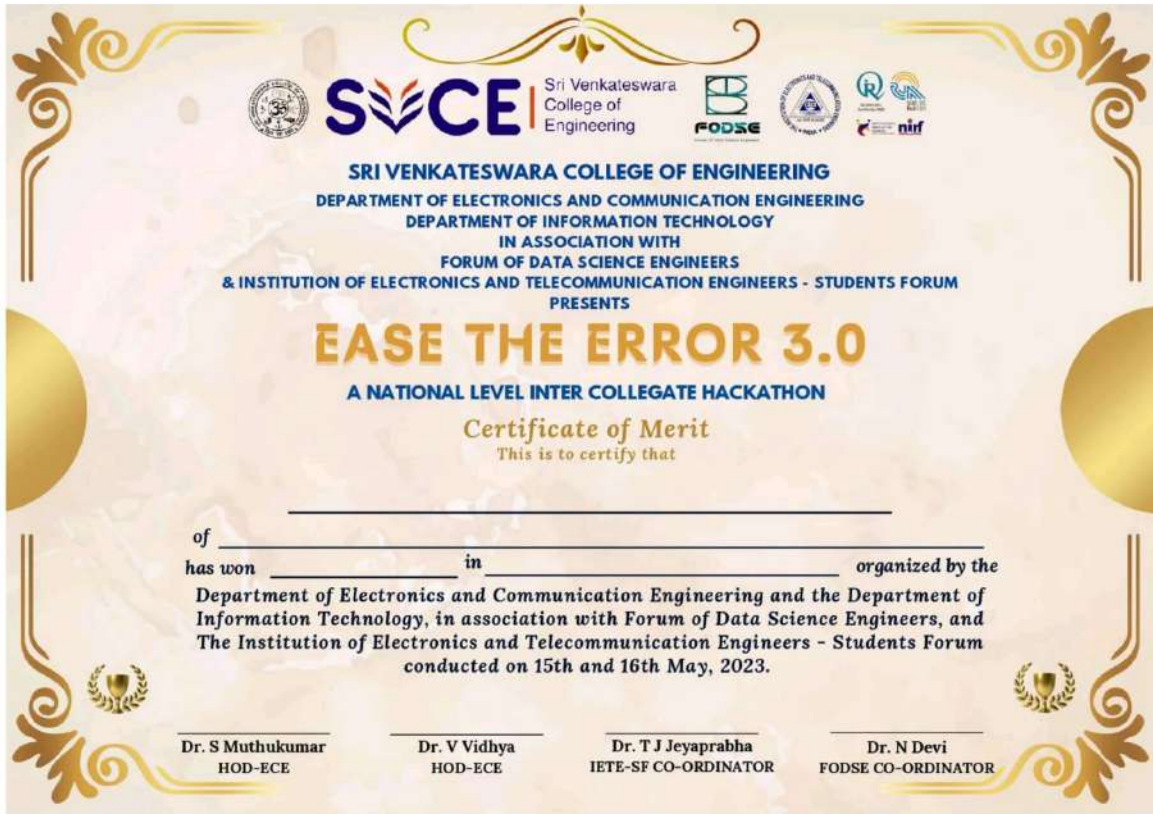
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IETE-SF CO-ORDINATOR

Dr. N Devi
FODSE CO-ORDINATOR



Some Snapshots Of Ease-The-Error 3.0:



ORGANIZING COMMITTEE COMPRISING OF :

Chief Patron : Dr.S.Ganesh Vaidyanathan, Principal

Convener : Dr.S.Muthukumar, Professor & HOD, ECE, Dr.V.Vidhya, Professor & HOD, INT

Faculty Coordinators : Dr.T.J.Jeyaprabha, ASP ECE, FODSE Co-ordinator, Dr.N.Devi ASP
INT, FODSE Co-ordinator,

FODSE comprising of:

President : Ms.Uma Maheshwari D (IV Year ECE)

Vice-President : Ms.Swaeta L

Secretary : Ms.Shreya R(III Year INT)

Treasurer : Mr.Mohanishwar K(III Year EEE)

Technical Lead : Mr.Roshaan S(III Year INT)

Content Lead : Ms.Mythra M(III Year INT)

Executive Members : Ms.Shreemirrah(II Year AIDS)

Mr.Prabhu Dharshan R(II Year ECE)

Mr.Upillikannan S B(II Year EEE)

Mr.Kaushick S(II Year INT)

Joint Secretary : Mr.Tarun Kumar S(II Year ECE)

Mr.Abhinav Krishna MA(II Year AIDS)

Mr.Pragatheeshwar S(II Year INT)

IETE SF SVCE comprising of:

Chairman : Mr.Sivasubramanian . R (IV Year ECE C)

Vice Chairman : Mr.Deepak Akash Raj .T (IV Year ECEA)

Honorary Secretary : Ms.Mrdulla V Naarayan (III Year ECE B)

Honorary Treasurer : Ms.Lakshana Sasikumar (III Year ECE B)

Executive Members : Mr.Arvinth. G (III Year ECE A)

Mr.Avinash. P (III Year ECE A)

Ms.Sakthi Maheswari. M (III Year ECE C)

Mr.Shashidar. G (III Year ECE C)

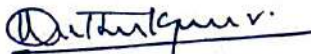
Joint Secretary : Mr.Ashish. S (II Year ECE A)

Ms.Nivetha D.R (II Year ECE B)

Mr.Tharun K.R (II Year ECE C)

T.J.J.M
Dr.T.J.JEYAPRABHA

FODSE & IETE COORDINATOR


DR. S. MUTHUKUMAR
HOD-ECE