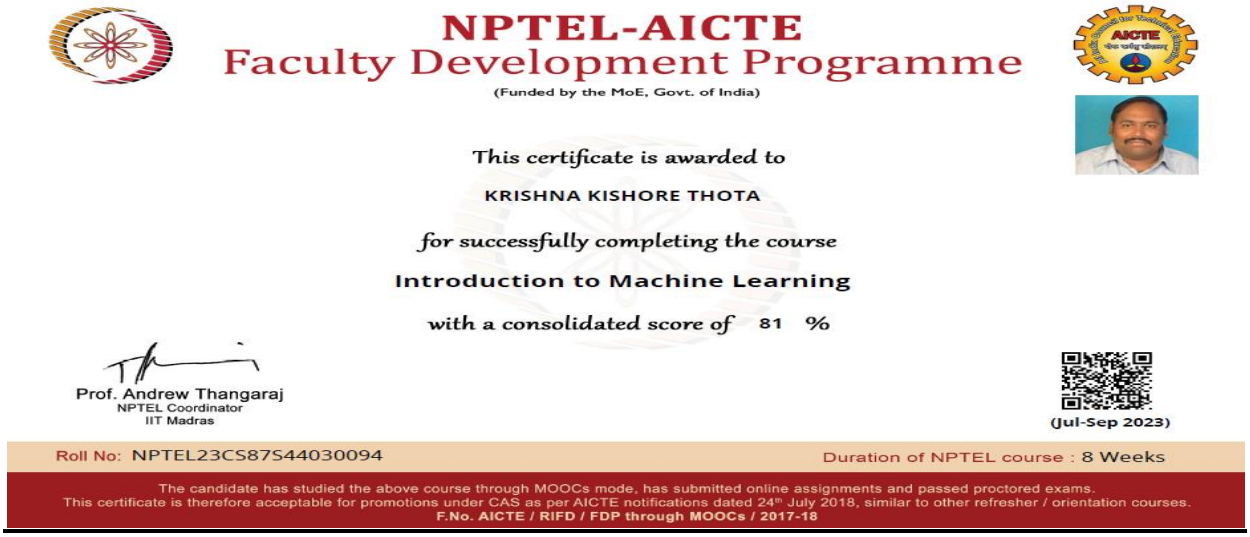
BAPATLA ENGINEERING COLLEGE::BAPATLA

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FACULTY ATTENDED EVENTS DETAILS

OCTOBER MONTH ACHIEVEMENTS

KRISHNA KISHORE THOTA has successfully completing the **8 Weeks** NPTEL COURSE " **Introduction to Machine Learning** " from Jul to Sep-2023.



Gopinadh Alapati has participated in **30 Hours National Faculty Development Program** on **Cyber Security** organized by Chaitanya Bharathi Institute of Technology (CBIT) in Collaboration with ExcelR Edtech Pvt. Ltd. During 25th Sep 2023 to 14th Oct 2023.

Dr. Mani Deep has participated in **30 Hours National Faculty Development Program** on **Cyber Security** organized by Chaitanya Bharathi Institute of Technology (CBIT) in Collaboration with ExcelR Edtech Pvt. Ltd. During 25th Sep 2023 to 14th Oct 2023.


EXCELR
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CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY
Autonomous Institute | Affiliated to Osmania University

CERTIFICATE OF PARTICIPATION

AWARDED TO

Dr. Mani Deep

Participated in 30 Hours National Faculty Development Program on
Cyber Security
organized by Chaitanya Bharathi Institute of Technology (CBIT) in Collaboration with ExcelR Edtech Pvt. Ltd.
Date: 25th Sep to 14th Oct 2023.

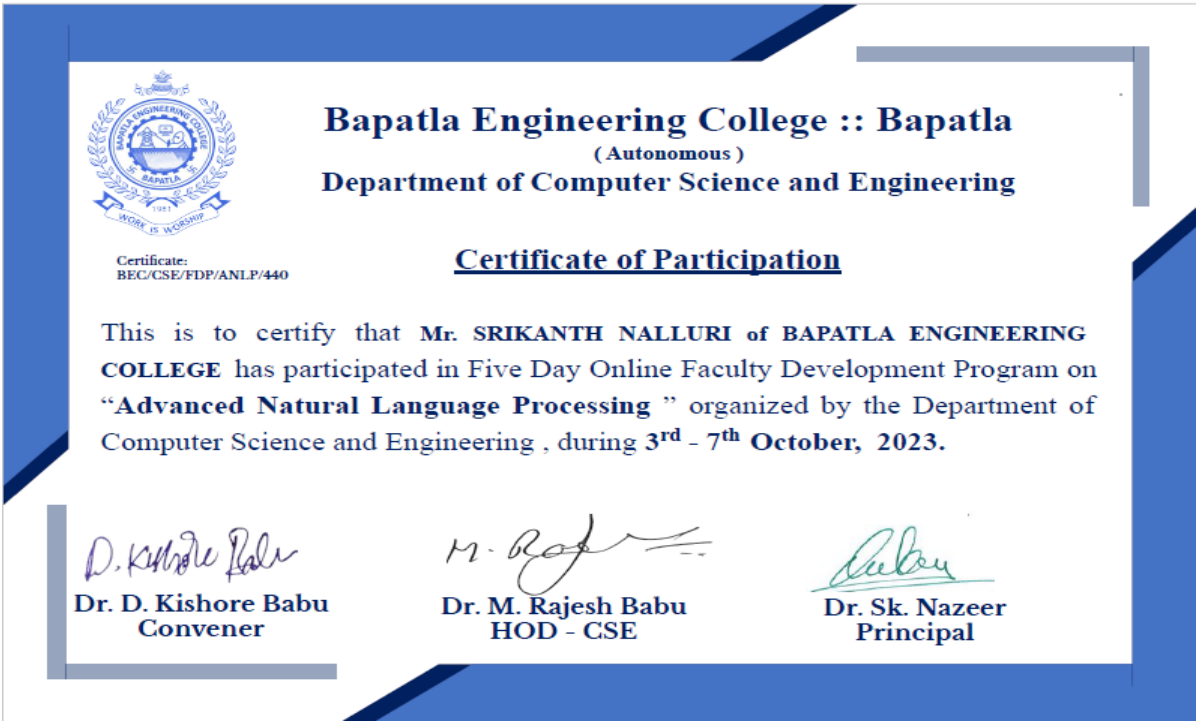
Cert No: EXCELR-FDP-56927/20102023

Prof. D. Raman
HoD I/c, CSE, CBIT

Prof. Ramakrishna Kolikipogu
SPoC & HoD, CHNMS, CBIT

Ram Tavva
CEO, ExcelR Edtech Pvt. Ltd.

SRIKANTH NALLURI has participated in **Five Day Online Faculty Development Program** on "**Advanced Natural Language Processing** " organized by the Department of Computer Science and Engineering at Bapatla Engineering College, Bapatla, during 03-10-2023 to 07-10-2023.


Bapatla Engineering College :: Bapatla
(Autonomous)
Department of Computer Science and Engineering

Certificate:
BEC/CSE/FDP/ANLP/440

Certificate of Participation

This is to certify that **Mr. SRIKANTH NALLURI of BAPATLA ENGINEERING COLLEGE** has participated in Five Day Online Faculty Development Program on "**Advanced Natural Language Processing** " organized by the Department of Computer Science and Engineering , during **3rd - 7th October, 2023.**

Dr. D. Kishore Babu
Convener

Dr. M. Rajesh Babu
HOD - CSE

Dr. Sk. Nazeer
Principal

P.V NAGA SRINIVAS has participated in **Five Day Online Faculty Development Program** on "**Advanced Natural Language Processing** " organized by the Department of Computer Science and Engineering at Bapatla Engineering College, Bapatla, during 03-10-2023 to 07-10-2023.

Bapatla Engineering College :: Bapatla
(Autonomous)
Department of Computer Science and Engineering

Certificate:
BEC/CSE/FDP/ANLP/470

Certificate of Participation

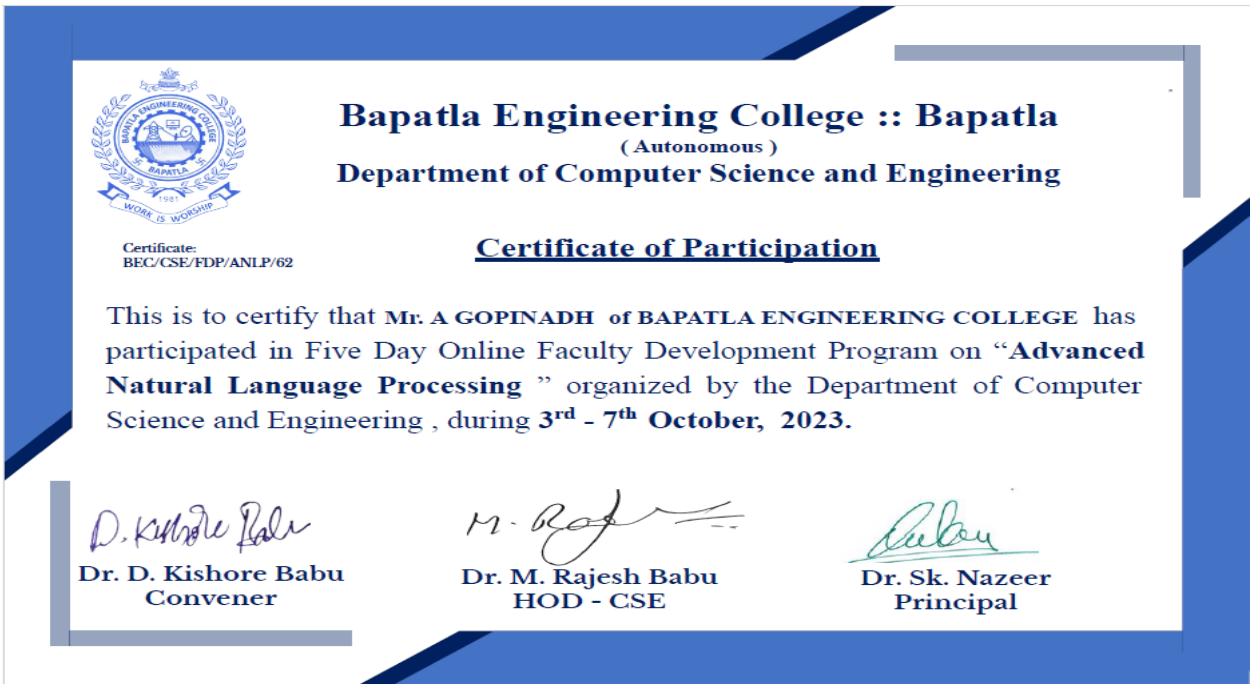
This is to certify that **Mr. P.V NAGA SRINIVAS of BAPATLA ENGINEERING COLLEGE** has participated in Five Day Online Faculty Development Program on "**Advanced Natural Language Processing** " organized by the Department of Computer Science and Engineering , during **3rd - 7th October, 2023.**

Dr. D. Kishore Babu
Convener

Dr. M. Rajesh Babu
HOD - CSE

Dr. Sk. Nazeer
Principal

A GOPINADH has participated in **Five Day Online Faculty Development Program** on "**Advanced Natural Language Processing** " organized by the Department of Computer Science and Engineering at Bapatla Engineering College, Bapatla, during 03-10-2023 to 07-10-2023.



Bapatla Engineering College :: Bapatla
(Autonomous)
Department of Computer Science and Engineering

Certificate:
BEC/CSE/FDP/ANLP/62

Certificate of Participation

This is to certify that **Mr. A GOPINADH of BAPATLA ENGINEERING COLLEGE** has participated in Five Day Online Faculty Development Program on "**Advanced Natural Language Processing** " organized by the Department of Computer Science and Engineering , during **3rd - 7th October, 2023.**

Dr. D. Kishore Babu
Convener

Dr. M. Rajesh Babu
HOD - CSE

Dr. Sk. Nazeer
Principal

KISHAN CHAND KOPILA has participated in **Five Day Online Faculty Development Program** on "**Advanced Natural Language Processing** " organized by the Department of Computer Science and Engineering at Bapatla Engineering College, Bapatla, during 03-10-2023 to 07-10-2023.

Bapatla Engineering College :: Bapatla
(Autonomous)
Department of Computer Science and Engineering

Certificate:
BEC/CSE/FDP/ANLP/437

Certificate of Participation

This is to certify that **Mr. KISHAN CHAND KOPILA of BAPATLA ENGINEERING COLLEGE** has participated in Five Day Online Faculty Development Program on "**Advanced Natural Language Processing** " organized by the Department of Computer Science and Engineering , during **3rd - 7th October, 2023.**

Dr. D. Kishore Babu
Convener

Dr. M. Rajesh Babu
HOD - CSE

Dr. Sk. Nazeer
Principal

MANI DEEP KARUMANCHI has participated in **Five Day Online Faculty Development Program** on "**Advanced Natural Language Processing** " organized by the Department of Computer Science and Engineering at Bapatla Engineering College, Bapatla, during 03-10-2023 to 07-10-2023.

Bapatla Engineering College :: Bapatla
(Autonomous)
Department of Computer Science and Engineering

Certificate:
BEC/CSE/FDP/ANLP/451

Certificate of Participation

This is to certify that **Dr. MANI DEEP KARUMANCHI of BAPATLA ENGINEERING COLLEGE** has participated in Five Day Online Faculty Development Program on "**Advanced Natural Language Processing** " organized by the Department of Computer Science and Engineering , during **3rd - 7th October, 2023.**

Dr. D. Kishore Babu
Convener

Dr. M. Rajesh Babu
HOD - CSE

Dr. Sk. Nazeer
Principal

M.Venkata Pavan Kumar and Gopinadh Alapati has filed a patient Title of the invention : **Adaptive Image Enhancement Using Contextual Deep Learning Feedback Loop** with Application No. **202341063011 A** and published on 06/10/2023.

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/09/2023

(21) Application No.202341063011 A

(43) Publication Date : 06/10/2023

(54) Title of the invention : ADAPTIVE IMAGE ENHANCEMENT USING CONTEXTUAL DEEP LEARNING FEEDBACK LOOPS

(51) International classification :G06N0003080000, G06N0003040000, G06F0003048800, G06T0005000000, H04L0001160000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Mrs.Bhavana Godavarthi
Address of Applicant :Assistant Professor, Department of ECE, Institute of Aeronautical Engineering, Hyderabad, Telangana, India. Pin Code:500043 ——— ———
2)Mrs.A.Poornima
3)Mr.Rajendra Prasad Banavathu
4)Mr.G.Mahesh Reddy
5)Mr.A.Ravi Kishore
6)Mr.M.Venkata Pavan Kumar
7)Dr.Sikhakolli Gopi Krishna
8)Mr.Gopinadh Alapati
9)Dr.Urlam Devee Prasan
10)Mr.Bandaru Ramesh
Name of Applicant : NA
Address of Applicant : NA

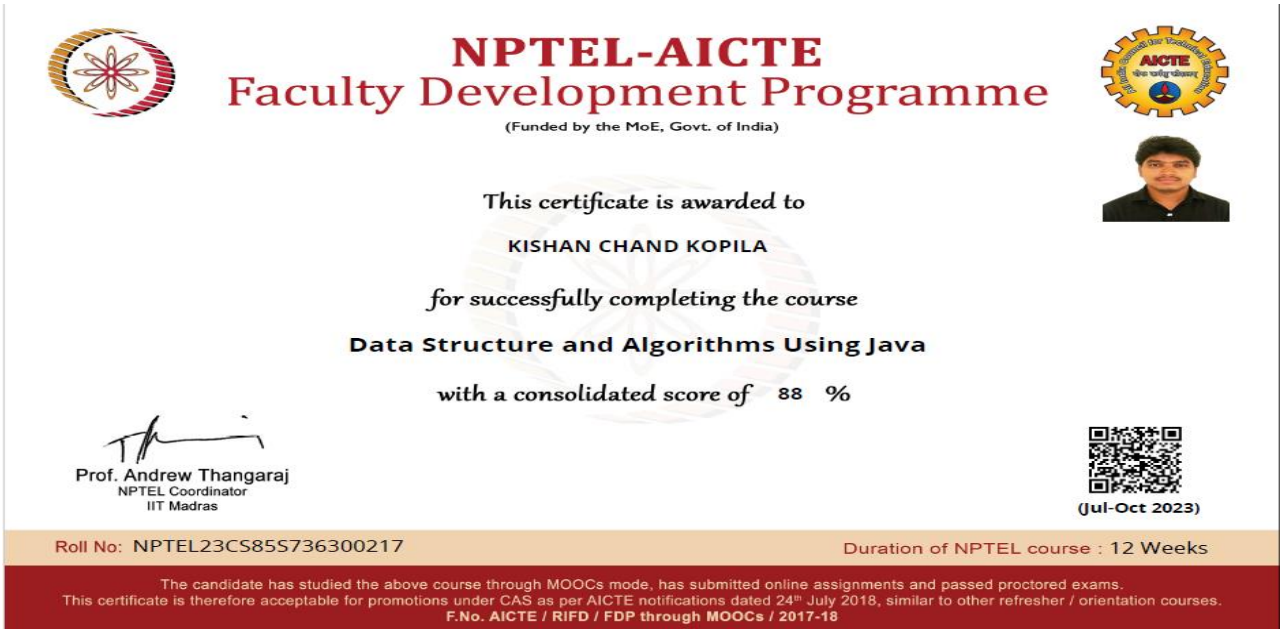
(72)Name of Inventor :
1)Mrs.Bhavana Godavarthi
Address of Applicant :Assistant Professor, Department of ECE, Institute of Aeronautical Engineering, Hyderabad, Telangana, India. Pin Code:500043 ——— ———
2)Mrs.A.Poornima
Address of Applicant :Assistant Professor, Department of Information Technology, Malla Reddy Engineering College and Management Sciences, Medchal, Medchal District, Telangana, India. Pin Code:501401 ——— ———
3)Mr.Rajendra Prasad Banavathu
Address of Applicant :Sr. Assistant Professor, Department of Artificial Intelligence and Machine Learning, Lakireddy Balireddy College of Engineering, Mylavaram, Andhra Pradesh, India. Pin Code:521230 ——— ———
4)Mr.G.Mahesh Reddy
Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, KKR & KSR Institute of Technology and Sciences, Vinjanampadu village, Vatticherukuru Mandal, Guntur District, Andhra Pradesh, India. Pin Code:522017 ——— ———
5)Mr.A.Ravi Kishore
Address of Applicant :Assistant Professor, Department of Information Technology, GMR Institute of Technology, Rajam, Vizianagaram, Andhra Pradesh, India. Pin Code:532127 ——— ———
6)Mr.M.Venkata Pavan Kumar
Address of Applicant :Assistant Professor, Department of Computer Science and Technology, Bapatla Engineering College, Mahatmajipuram, Bapatla, Andhra Pradesh, India. Pin Code:522101 ——— ———
7)Dr.Sikhakolli Gopi Krishna
Address of Applicant :Professor & Head, Department of Computer Science and Engineering, Sri Mittapalli College of Engineering, Tummalapalem, Guntur, Andhra Pradesh, India. Pin Code:522006 ——— ———
8)Mr.Gopinadh Alapati
Address of Applicant :Assistant Professor, Department of CSE, Bapatla Engineering College, Bapatla, Andhra Pradesh, India. Pin Code:522101 ——— ———
9)Dr.Urlam Devee Prasan
Address of Applicant :Professor & HOD, Department of Computer Science and Engineering, Aditya Institute of Technology and Management, Tekkali, Srikakulam District, Andhra Pradesh, India. Pin Code:532201 ——— ———
10)Mr.Bandaru Ramesh
Address of Applicant :Assistant Professor, Department of CSE, Aditya Institute of Technology and Management (A), Tekkali, Andhra Pradesh, India. Pin Code:532201 ——— ———

(57) Abstract :
An image enhancement system leveraging the combined power of deep learning and feedback loops to dynamically and adaptively improve visual data. By diving deep into the contextual intricacies of an image, the system discerns nuanced patterns and features, applying precise enhancements. The iterative feedback loop further refines these enhancements, ensuring that the final output not only meets technical parameters but is also aesthetically and contextually optimized.

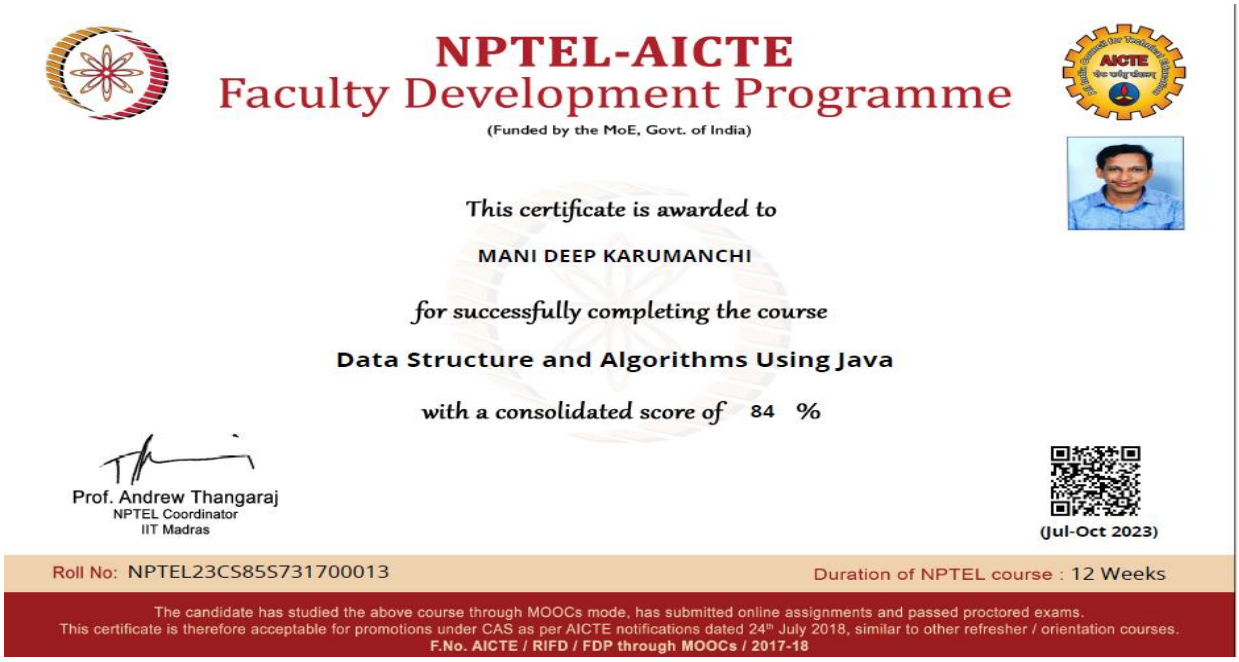
No. of Pages : 21 No. of Claims : 10

K Arun Babu exceptional contribution to the **success of students** in the **Google Cloud Platform AI-Powered App** during Aug to Nov 2023.

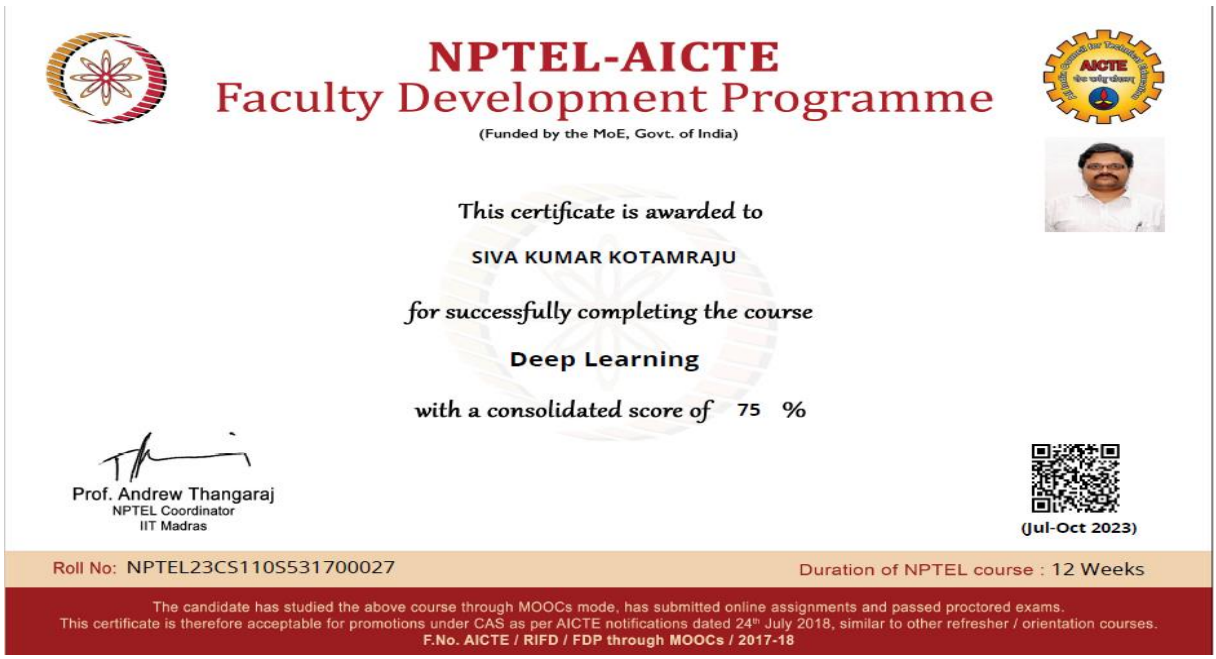
KISHAN CHAND KOPILA has successfully completing the **12 Weeks** NPTEL COURSE " **Data Structure and Algorithms Using Java**" from Jul to Oct-2023.



MANI DEEP KARUMANCHI has successfully completing the **12 Weeks** NPTEL COURSE " **Data Structure and Algorithms Using Java**" from Jul to Oct-2023.



K.Siva Kumar has successfully completing the **12 Weeks** NPTEL COURSE " **Deep Learning** " from Jul to Oct-2023.



Gopinadh Alapati has participated in **10 Hours National Faculty Development Program** on **NLP and Computer Vision** organized by NIST Institute of Science and Technology (Autonomous), Berhampur in Collaboration with ExcelR Edtech Pvt. Ltd. During 25th Oct 2023 to 31st Oct 2023.

Dr. Mani Deep Karumanchi has participated in **10 Hours National Faculty Development Program** on **NLP and Computer Vision** organized by NIST Institute of Science and Technology (Autonomous), Berhampur in Collaboration with ExcelR Edtech Pvt. Ltd. During 25th Oct 2023 to 31st Oct 2023.

NOVEMBER MONTH ACHIEVEMENTS

Dr. N V SYMA KUMAR DASARI published a paper title " **Binary Image Classification on Fashion-MNIST Using Tensorflow - Quantum and CIRQ"** Published in **International Journal of Intelligent Systems and Applications in Engineering (IJISAE)** ISSN: 21477-6799 and Date of Publication: 02-11-2023.

International Journal of
INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING
ISSN:2147-6799 www.ijisae.org Original Research Paper

Binary Image Classification on Fashion-MNIST Using TensorFlow-Quantum and CIRQ

Prabhakar Kandukuri[1], Dasari N. V. Syam Kumar[2], V. Sesha Srinivas[3], Chilukala Mahender Reddy[4] and Kranthi Kumar Singamaneni [5*]

Submitted: 27/08/2023 **Revised:** 22/10/2023 **Accepted:** 02/11/2023

Abstract: TensorFlow and Cirq, two key Google frameworks, are used to process the binary image classification on the dataset. These frameworks were developed by Google. The binary image classification is utilized most frequently in the process of distinguishing an object from its background. The process of segmentation makes it possible to name each pixel as either background or object and then assign black and white colors that match to those labels. The combination of machine learning with quantum computing will lead to a classification that is superior to that achieved by machine learning classification techniques. The TensorFlow Quantum (TFQ) library is a quantum machine learning framework that enables quick prototyping of hybrid quantum-classical ML models. This method proposes using the TFQ library. In order to process the categorization, QNN and CNN are both used as algorithms. Existing challenges for binary image classification include overfitting, a limited amount of data, variability in picture data, and background noise. These challenges are all interrelated. The quantum machine learning methodology that has been developed has the potential to reduce problems such as variability in image data, optimize the background noise that has been discovered in the images, and minimize the overfitting that occurs in the image data.

Keywords: *TensorFlow-Quantum, CNN, QNN, Cirq*

1. Introduction

Binary image classification is a popular task in machine learning where the goal is to classify images into two distinct classes. The Fashion MNIST dataset, which contains images of clothing items, is a popular benchmark dataset for binary image classification tasks. Recently, researchers have been exploring the usage of quantum computing techniques to progress the accuracy and speed of image classification tasks. TensorFlow-Quantum (TFQ) is a library developed by Google that allows the integration of quantum computing into TensorFlow, a popular machine-learning framework. TFQ offers a great-level API for building and training quantum machine learning models, making it easier for researchers and developers to experiment with quantum algorithms [5]. Cirq is another quantum computing-based open-source library that provides a low-level API for designing and implementing quantum circuits. Cirq allows for more fine-grained control over the underlying quantum hardware, making it well-suited for evolving and challenging new quantum standards.

1Department of Artificial Intelligence and Machine Learning, Chaitanya Bharathi Institute of Technology – Hyderabad, India.
2Department of Computer Science and Engineering, Bapatla Engineering College, Bapatla, India
3Department of Information Technology, B. V.R. & J. C. College of Engineering, Guntur, AP, India
4Department of Computer Science and Engineering, GITAM Deemed to be University, Hyderabad, India
5Department of Computer Engineering and Technology, Chaitanya Bharathi Institute of Technology, Hyderabad, India.
**Corresponding author: kbrasthicse@gmail.com*

By combining the power of TensorFlow-Quantum and Cirq, researchers can build and train quantum machine learning models for binary image classification tasks on Fashion MNIST. These models have the potential to achieve higher accuracy and faster training times than classical machine learning models, leading to new breakthroughs in image classification and other related fields. This methodology has been proposed to identify the processing difference between the classical and the quantum machine learning techniques [3][5] [12-13]. The quantum machine learning techniques that are used like TensorFlow-quantum and the Cirq are producing quite optimal results than compared to the generational classical machine learning techniques. In this project we are trying to impose the quantum machine learning techniques on the FASHION MNIST dataset to show optimal and faster results than the classical machine learning techniques. The accuracy result is presented which led to the proof that the quantum machine learning techniques produce optimal and faster processing of the data than compared to the classical machine learning techniques [5]. TensorFlow is a framework by Google to implement machine learning algorithms and is suitable for an optimal implementation of quantum algorithms. Cirq is a software library written in Python that allows users to not only create, manipulate, and optimize quantum circuits, but also run those circuits on quantum computers and quantum simulators. The proposed method is expected to efficiently classify the binary images using quantum and machine learning integration. The proposed QML model optimizes

KRISHNA KISHORE THOTA, Assistant Professor of Bapatla Engineering College, Bapatla has successfully participated & completed **AICTE Training And Learning (ATAL) Academy Faculty Development Program** on **AI Tools for Educators in line with OBE** at BAPATLA ENGINEERING COLLEGE from 20/11/2023 to 25/11/2023.

ATAL/2023/1698836638

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ATAL

AICTE

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Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

AICTE Training and Learning (ATAL) Academy

Certificate

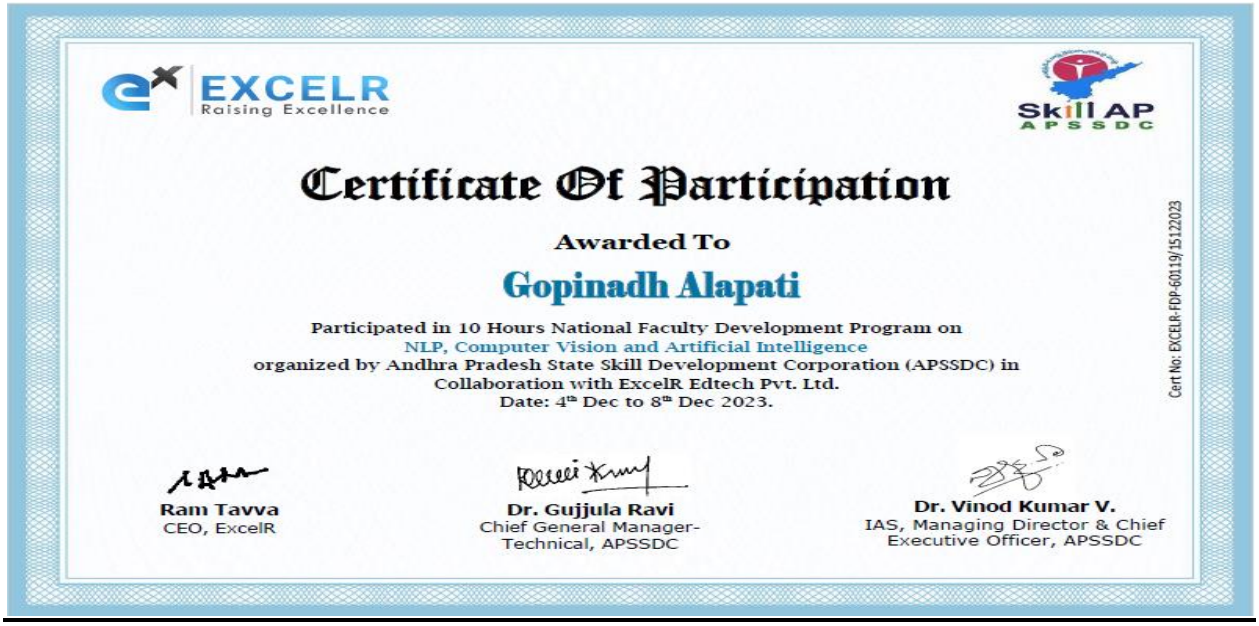
*It is certified that **Mr. KRISHNA KISHORE THOTA, Assistant Professor** of **BAPATLA ENGINEERING COLLEGE, BAPATLA** has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on **AI Tools for Educators in line with OBE** at **BAPATLA ENGINEERING COLLEGE** from 20/11/2023 to 25/11/2023.*

Coordinator

Bureau Head (ATAL)

DECEMBER MONTH ACHIEVEMENTS

Gopinadh Alapati has participated in **10 Hours National Faculty Development Program** on **NLP, Computer Vision and Artificial Intelligence** organized by Andhra Pradesh State Skill Development Corporation (APSSDC) in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 4th Dec to 8th Dec 2023.


EXCELR
Raising Excellence

Skill AP
APSSDC

Certificate Of Participation

Awarded To

Gopinadh Alapati

Participated in 10 Hours National Faculty Development Program on
NLP, Computer Vision and Artificial Intelligence
organized by Andhra Pradesh State Skill Development Corporation (APSSDC) in
Collaboration with ExcelR Edtech Pvt. Ltd.
Date: 4th Dec to 8th Dec 2023.

Cert No: EXCELR-FDP-60119/15122023

Ram Tavva
CEO, ExcelR

Dr. Gujjula Ravi
Chief General Manager-
Technical, APSSDC

Dr. Vinod Kumar V.
IAS, Managing Director & Chief
Executive Officer, APSSDC

Dr.D.Kishore Babu has published a paper title **Integrating Decision Theory and Syntactic Data For Enhanced Rough Fuzzy C Means Clustering Algorithm a**t 2nd International Conference on Automation, Computing and Renewable Systems (ICACRS-2023) organized by Department of Electronics and Communication Engineering Mount Zion College of Engineering and Technology held during 11-12-2023 to 13-12-2023.


MOUNT ZION
COLLEGE OF ENGINEERING AND TECHNOLOGY
(Approved by AICTE, Affiliated to Anna University & Accredited by NAAC with A+ Grade)
Lena Vilakku, Pillaiyam P.O, Tirumayam TK, Pudukkottai - 622507
Email : info@mzcet.in | www.mzcet.in

IEEE
XPLORE COMPLIANT ISBN
979-8-3503-4023-5

Certificate of Presentation

This certificate is awarded to

D Kishore Babu

in recognition of his/her research contribution and oral presentation titled

Integrating Decision Theory and Syntactic Data for Enhanced Rough Fuzzy C-Means Clustering Algorithm

at the

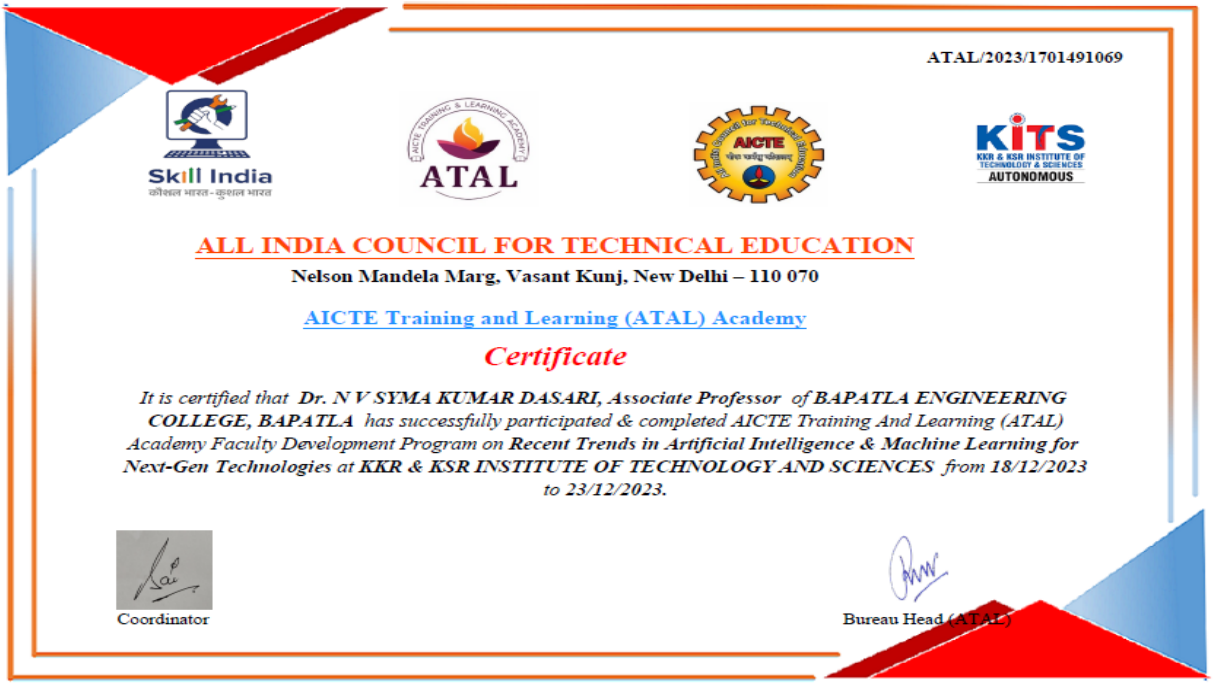
2nd International Conference on Automation, Computing and Renewable Systems (ICACRS - 2023)
organized by Department of Electronics and Communication Engineering, Mount Zion College of Engineering and Technology
held during 11-13, December 2023 in Pudukkottai, Tamil Nadu, India.

Session Chair
Dr. Robinson S
Dean/ICT, MZCET

Conference Chair
Dr. Balamurugan P
Principal, MZCET

Chief Patron
Dr. Jayson K. Jayabarathan
Director, MZCET

Dr. N V SYMA KUMAR DASARI, Associate Professor of Bapatla Engineering College, Bapatla has successfully participated & completed **AICTE Training And Learning (ATAL)** Academy **Faculty Development Program** on **Recent Trends in Artificial Intelligence & Machine Learning for Next-Gen Technologies** at KKR & KSR Institute Of Technology and Sciences from 18/12/2023 to 23/12/2023.



ATAL/2023/1701491069

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Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

AICTE Training and Learning (ATAL) Academy

Certificate

It is certified that ***Dr. N V SYMA KUMAR DASARI, Associate Professor*** *of* ***BAPATLA ENGINEERING COLLEGE, BAPATLA*** *has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on* ***Recent Trends in Artificial Intelligence & Machine Learning for Next-Gen Technologies*** *at* ***KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES*** *from 18/12/2023 to 23/12/2023.*

Coordinator

Bureau Head (ATAL)

KRISHNA KISHORE THOTA, Assistant Professor of Bapatla Engineering College, Bapatla has successfully participated & completed **AICTE Training And Learning (ATAL) Academy Faculty Development Program** on **Recent Trends in Artificial Intelligence & Machine Learning for Next-Gen Technologies** at KKR & KSR Institute Of Technology and Sciences from 18/12/2023 to 23/12/2023.

ATAL/2023/1701317591

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ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

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It is certified that ***Mr. KRISHNA KISHORE THOTA, Assistant Professor*** *of* ***BAPATLA ENGINEERING COLLEGE, BAPATLA*** *has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on* ***Recent Trends in Artificial Intelligence & Machine Learning for Next-Gen Technologies*** *at* ***KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES*** *from 18/12/2023 to 23/12/2023.*

Coordinator

Bureau Head (ATAL)

BAPATLA ENGINEERING COLLEGE::BAPATLA

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Workshops/Webinars/FDP/Training Programs Conducted by Dept. of CSE

October - December 2023

S.No	Name of the Event	Title	Resource Persons	Organizers/ Co-ordinator
1	FDP	FIVE DAY ONLINE FACULTY EVELOPMENT PROGRAMME On Advanced Natural Language Processing	Dr. M. Anand Kumar, Assistant Professor, Dept. of IT, NIT Karnataka, Surathkal.	Dept of CSE
2	Workshop	An International Online Workshop on "Agile Software Development"	Mr.Venkata Rao Matte Tech Lead, TCS, Hyderabad Mr. Mallikarjun, Senior Project Manager, TCS, Hyderabad Ms.Subadhra Murugesan, Tech Lead, TCS, Chennai Ms. Kristin, Scrum Master, NewYork Life (NYL), USA	Dept of CSE
3		Parents Meeting for 2nd Year Students		Dept of CSE

FIVE DAY ONLINE FACULTY EVELOPMENT PROGRAMME on **Advanced Natural Language Processing** Organized by Department of Computer Science and Engineering from 03-10-2023 to 07-10-2023.

Bapatla Education Society

Bapatla Education Society, sponsor of Bapatla Engineering College was established in 1962 and runs 6 other educational institutions including Bapatla College of Arts & Sciences, Bapatla Junior College, and Bapatla Women's Engineering College, Bapatla Polytechnic College, Bapatla Public School, and Bapatla College of Pharmacy.

About the College

Bapatla Engineering College is an Autonomous college under the jurisdiction of Acharya Nagarjuna University and has been twice accredited by NAAC, presently with A+ grade. It was established in 1981 and currently offers B. Tech, M. Tech, and MCA courses. The Engineering departments are CSE, AIML Civil, CB, DS, ECE, EIE, EEE, IT and Mechanical.

About the Department (CSE)

The Department of Computer Science and Engineering was established in 1994-95 and was accredited by NBA thrice. The department is equipped with state-of-the-art computing facilities and experienced staff members and is known for its academic excellence, proved by its performances since its inception.

Vision

To produce Computer Science Engineers with Global Standards who can handle the challenges of the society and the Industry with their Innovations and Services.

Mission

M1: To Impart high quality education with effective teaching and learning process.

M2: To provide an environment where the students can handle research problems confidently.

M3: To prepare students with the latest technologies with fidelity towards industry.

M4: To inculcate professional ethics and human values in handling engineering challenges.

COMMITTEE MEMBERS

Chief Patrons:

1. Sri. M. Srinivasa Rao, President, Bapatla EducationalSociety.
2. Sri. D. Rama Mohan Rao, Vice President-I, Bapatla Educational Society
3. Sri. G. Dileep Kumar, Vice President-II, Bapatla Educational Society
4. Sri. M. Nageswara Rao, Secretary, Bapatla Educational Society
5. Sri. K. Hari Padma Prasad, Jt. Secretary, Bapatla Educational Society.
6. Sri. T. Ramakrishna Rao, Treasurer, Bapatla Educational Society

Patrons:

Dr. Shaik Nazeer, Principal, Bapatla Engineering College.

Advisory Committee:

Dr. M. Rajesh Babu, HoD, CSE
Dr. N. Sudhakar, Professor, CSE
Prof. V. Chakradhar, HoD, CB, DS & AIML

FIVE DAY ONLINE FACULTY DEVELOPMENT PROGRAMME

On

Advanced Natural Language Processing

3rd – 7th October, 2023

Organized by

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BAPATLA ENGINEERING COLLEGE
(Autonomous)
(Accredited by NAAC 'A+')
Approved by AICTE, New Delhi
Affiliated to Acharya Nagarjuna University, Acharya Nagar, Guntur
BAPATLA, BAPATLA DIST., A.P., 522102

About the FDP

The field of Natural Language Processing (NLP) is one of the most important and useful application areas of artificial intelligence. NLP is undergoing rapid evolution as new methods and toolsets converge with an ever-expanding availability of data. The aim of this Faculty Development Program (FDP) on NLP is to provide advanced training in the concepts in natural Language Processing. This FDP will comprise of both theoretical and hands-on sessions to provide the participants with a comprehension of the state-of-the-art natural language processing methods so that participants can impart teaching of the NLP concepts, can develop NLP based products and can pursue research in the field of the NLP. Natural Language Processing is one of the widest, core, prime and important areas for researchers, educational sectors, business world and many organizations.

Topics Covered

1) NLP Introduction
2) Recent NLP Applications
3) Neural Language Models
4) RNN and LSTM models for NLP
5) Large Language Models

Eligibility

This Course is open to the entire faculty Members of AICTE approved institutions, Research Scholars, Persons working in R & D organizations and Institutions.

Registration & Fee Particulars

- Registration Fee: **FREE**
- Last date for registration:**1.10.2023**

Key Points:

- All the sessions are conducted online through the **Microsoft Teams app.**
- Attendance is mandatory.
- E – Certificate will be given to the participant who attends and submits feedback every day.
- Feedback link will be provided at the end of the session every day.
- Time: 04:00 PM to 06:00 PM

Resource Person:

Dr. M. Anand Kumar, Assistant Professor, Dept. of IT, NIT Karnataka, Surathkal.

Convener:

Dr. D. Kishore Babu, Associate Professor, CSE.

Coordinators:

1. Mr. P. Nanda Kishore, Asst. Prof, CSE
2. Mr. M. V. Pavan Kumar, Asst. Prof, CSE
3. Mr. K. Siva Kumar, Asst. Prof, CSE

Organizing Committee:

1. Mr. T. Nagarjuna, Asst.Prof, CSE
2. Mr. K. Ashok Babu, Asst.Prof, CSE
3. Mr. K. Sundeep Saradhi, Asst.Prof, CBDS
4. Mr. N. Srikanth, Asst.Prof, CSE

For any Queries contact:

- Dr. D. Kishore Babu, 9908300815.
- Mr. M.V. Pavan Kumar, 9966077732.

Registration form:

Online Registration form:

- Registration Link:

https://tinyurl.com/Advanced-NLP-Models

(OR)

Offline Registration form:

Title ☐ Mr. ☐ Ms. ☐Professor. ☐Dr. ☐ Mrs.

Full Name: ----------

Designation: ----------

Name of the Department: ----------

Organization Name: ----------

Organization Location: ----------

No. of Years' Experience: ----------

WhatsApp Mobile No: ----------

Filled form Send to:

HOD, CSE
Bapatla Engineering College.
BAPATLA, BAPATLA DIST., A.P., 522102

Bapatla Engineering College

(Autonomous)

HEARTY WELCOME TO

FIVE DAY ONLINE
FACULTY DEVELOPMENT PROGRAMME
on
ADVANCED NATURAL LANGUAGE PROCESSING
3rd –7th October, 2023

Organized by

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

An International Online Workshop on "Agile Software Development" Organized by Department of Computer Science and Engineering from 15-11-2023 to 20-11-2023.

An International Online Workshop on "Agile Software Development"

November 15th-20th, 2023

Organized by

Department of Computer Science and Engineering

Bapatla Engineering College, Bapatla, Andhra Pradesh

ABOUT THE COLLEGE

Bapatla Engineering College is an Autonomous college under the jurisdiction of Acharya Nagarjuna University and has been twice accredited by NAAC, presently with A+ grade. It was established by Bapatla Education Society in the year 1981 and is reckoned for its academic excellence in engineering & sciences. It is a constituent institution of Acharya Nagarjuna University and is one of the best private engineering institutions in the southern region. BEC offers graduate courses in 9 disciplines with total intake of above 1000 students, 5 post-graduate courses in CSE, CAD/CAM(Mech), PE(EEE), SE(CIVIL) and CESP(ECE). The college is a little away from the din and bustle of Bapatla, a town with a historic and hoary past, about 75 KM. south of Vijayawada on Chennai-Vijayawada rail route. All departments have well equipped laboratories in addition to the common facilities of workshops, central library, state-of-the-art central computing facility, sports facilities and Innovation Centres that houses research and testing facilities for industrial projects and technology labs to promote inter-disciplinary research activities.

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering is established in 1994 and have experienced, well-qualified, committed and motivated faculty with specializations in various streams. The department offers a 4 year B.Tech Program on CSE, CSE with Data Science, CSE with Cyber Security and Masters in CSE. The Department was accredited thrice by NBA of AICTE and NAAC.

VISSION

To produce Computer Science Engineers with Global Standards who can handle the challenges of the society and the Industry with their Innovations and Services.

MISSION

M1: To Impart high quality education with effective teaching and learning process.
M2: To provide an environment where the students can handle research problems confidently.
M3: To prepare students with the latest technologies with fidelity towards industry.
M4: To inculcate professional ethics and human values in handling engineering challenges.

THEME OF THE WORKSHOP

Agile software development is driven by the goal of delivering software that meets customer needs, is adaptable to change, promotes collaboration, and continuously improves the development process. It prioritizes customer satisfaction, flexibility, and efficiency, ultimately leading to better software products and shorter time-to-market.

COURSE CONTENTS

- Software Development Life Cycle (SDLC) ,
- Metrics,
- Reviews,
- Risk Analysis and Risk Mitigation,
- Tools required to implement SDLC,
- How implement things in Waterfall and Agile Model,
- Agile with practical approach.

RESOURCE PERSON

Resource persons from Tata Consultancy Services Limited (TCS)

IMPORTANT DATES

Workshop: 15th November, 2023 to 20th November, 2023 through online mode.

WHO CAN ATTEND

Third Year Students of CSE, CB, DS of Bapatla Engineering College

ORGANIZING COMMITTEE

Chief Patrons:

1. Sri. M. Srinivas Rao, President, Bapatla Educational Society.
2. Sri D. Rama Mohan Rao, Vice President-I, Bapatla Educational Society.
3. Sri G. Dileep Kumar, Vice President-II, Bapatla Educational Society.
4. Sri M. Nageswara Rao, Secretary, Bapatla Education Society.
5. Sri K. Hari Padma Prasad, Jt. Secretary, Bapatla Educational Society.
6. Sri T. Ramakrishna Rao, Treasurer, Bapatla Educational Society.

Patron:

Dr. Shaik Nazeer, Principal, Bapatla Engineering College.

Convener

Dr. M. Rajesh Babu, HoD, Dept. of CSE.

Coordinators:

1. Dr. PSV Vachaspati, Professor, CSE.
2. Dr. P.Pardhasaradhi, Professor, CSE
3. Mr. V Naveen Kumar, Asst. Prof., CSE
4. Mr. A Gopinath, Asst. Prof., CSE

Advisory Committee

1. Dr. N. Sudhakar, Professor, CSE.
2. Prof. V. Chakradhar, HoD, CB, DS & AIML.
3. Dr. D Kishore Babu, Assoc. Prof., CSE.

Event Organizing Committee

1. Mr. T. Nagarjuna, Asst.Prof, CSE
2. Mr. K. Ashok Babu, Asst.Prof, CSE
3. Mr. K. Sandeep Saradhi, Asst.Prof, CBDS
4. Mr. N. Srikanth, Asst.Prof, CSE

FOR MORE DETAILS CONTACT

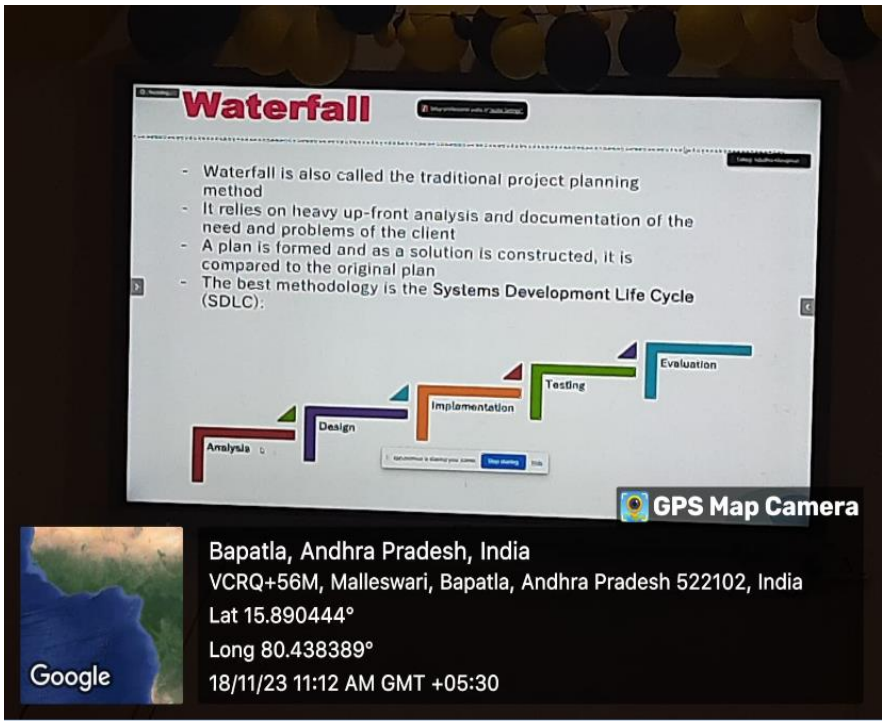
Mobile : A Gopinath 9908963162

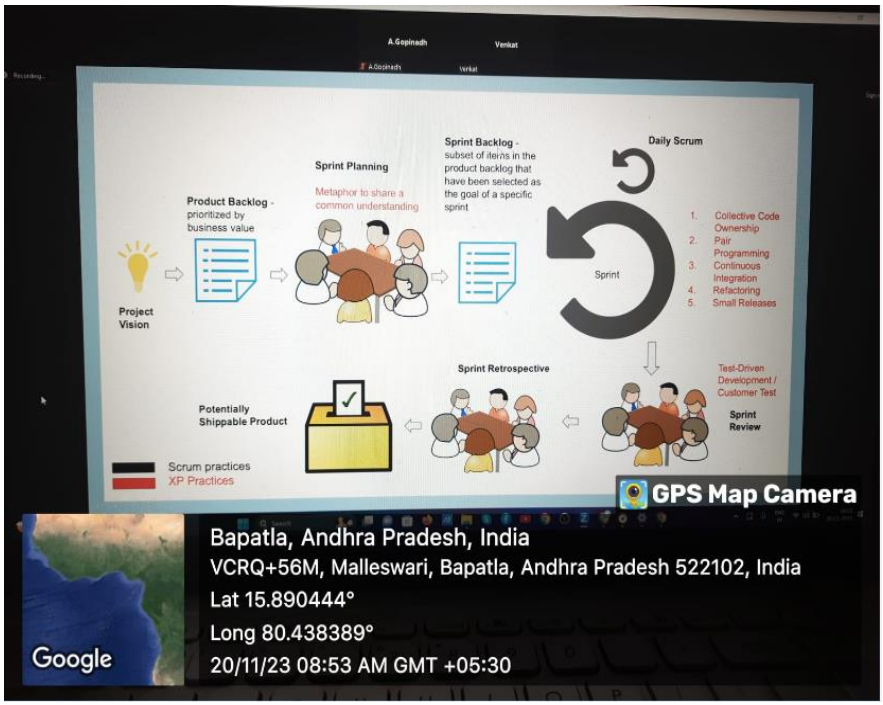
Web : www.becbapatla.ac.in


Steps Of SDLC:
1. Requirement Gathering
2. Software Analysis
3. Software Design
4. Coding
5. Testing
6. Implementation
4 IMPLEMENTATION
3 DESIGN
2 ANALYSIS
1 PLANNING
6 MAINTENANCE
GPS Map Camera
Bapatla, Andhra Pradesh, India
VCRQ+56M, Malleswari, Bapatla, Andhra Pradesh 522102, India
Lat 15.890444°
Long 80.438389°
18/11/23 10:59 AM GMT +05:30
Google


GPS Map Camera
Bapatla, Andhra Pradesh, India
VCRQ+56M, Malleswari, Bapatla, Andhra Pradesh 522102, India
Lat 15.890444°
Long 80.438389°
20/11/23 07:58 AM GMT +05:30
Google


GPS Map Camera
Bapatla, Andhra Pradesh, India
VCRQ+56M, Malleswari, Bapatla, Andhra Pradesh 522102, India
Lat 15.890444°
Long 80.438389°
20/11/23 07:57 AM GMT +05:30
Google


Waterfall
- Waterfall is also called the traditional project planning method
- It relies on heavy up-front analysis and documentation of the need and problems of the client
- A plan is formed and as a solution is constructed, it is compared to the original plan
- The best methodology is the Systems Development Life Cycle (SDLC):
Analysis
Design
Implementation
Testing
Evaluation
GPS Map Camera
Google
Bapatla, Andhra Pradesh, India
VCRQ+56M, Malleswari, Bapatla, Andhra Pradesh 522102, India
Lat 15.890444°
Long 80.438389°
18/11/23 11:12 AM GMT +05:30


A.Gopinadh
Venkat
Sprint Planning
Metaphor to share a common understanding
Sprint Backlog - subset of items in the product backlog that have been selected as the goal of a specific sprint
Daily Scrum
Product Backlog - prioritized by business value
Project Vision
Sprint
1. Collective Code Ownership
2. Pair Programming
3. Continuous Integration
4. Refactoring
5. Small Releases
Sprint Retrospective
Test-Driven Development / Customer Test
Sprint Review
Potentially Shippable Product
Scrum practices
XP Practices
GPS Map Camera
Google
Bapatla, Andhra Pradesh, India
VCRQ+56M, Malleswari, Bapatla, Andhra Pradesh 522102, India
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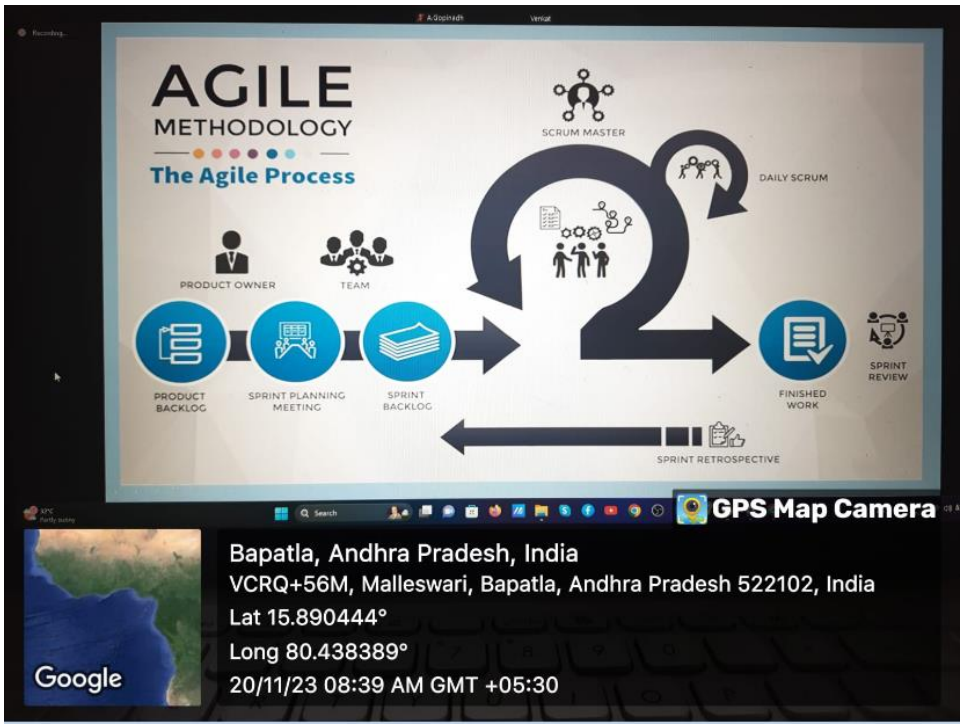
20/11/23 08:53 AM GMT +05:30



విద్యార్థులకు కార్యశాల: బాపట్ల: ఆధునిక సాంకేతిక పరిజ్ఞానం ద్వారా కొత్త రకం సాఫ్ట్‌వేర్లు అభివృద్ధి చేయాలని బాపట్ల ఇంజినీరింగ్ కళాశాల ప్రిన్సిపల్ షేక్ నజీర్ అన్నారు. కళాశాలలో సీఎస్ఈ విభాగం ఆధ్వర్యంలో సాఫ్ట్‌వేర్ల అభివృద్ధిపై విద్యార్థులకు ఐదురోజుల కార్యశాలను బుధవారం ఆయన ప్రారంభించారు. విభాగాధిపతి రాజేష్‌బాబు, సీనియర్ ఆచార్యులు సుధాకర్, చక్రధర్ పాల్గొన్నారు.

Parents Teachers Meeting for 2nd Year Students Organized by Department of Computer Science and Engineering on 02-12-2023.


BAPATLA ENGINEERING COLLEGE - BAPATLA
(AUTONOMOUS)
Hearty Welcome to
Parents - Teachers Meeting
Date : 02 December 2023
Venue : Conference Hall, Research Park
Department of Computer Science & Engineering


BAPATLA ENGINEERING COLLEGE - BAPATLA
Parents - Teachers Meeting