

ABOUT RMCET:

Prabodhan Shikshan Prasarak Sanstha is a public charitable trust (Reg. No. E-697 Ratnagiri, dated 7th June 1995) registered under the Public Trust Act 1950. The Institute in its two glorious decades has pioneered the education from KG to PG. Rajendra Mane College of Engineering and Technology, Ambav, Devrukh (approved by AICTE, New Delhi, recognized by Directorate of Technical Education, Maharashtra and affiliated to Mumbai University) has been serving for the noble cause of Quality Technical Education since 1998.

RMCET is located at green valley of Sahyadri ranges on 46.25 acres of land, about 7 Kms. from Devrukh and 40 Kms. from Ratnagiri. The campus includes Administrative and Instructional Area, Workshops, Laboratories, Central Library and Residential buildings, etc. area admeasuring 20461 Sq.mtrs. College has majorly 4 branches viz. Computer, Electronics and Telecommunication, Automobile and Mechanical Engineering along with one PG Programme i.e. Master of Management Studies. The College has earned the reputation as being one of the best colleges in Konkan Region.

CHIEF PATRON:

Hon. Shri. Ravindraji Mane

Former-Minister of State Finance and Planning, Development, Irrigation, Water Supply and Sanitation.

PATRON:

Dr. M. M. Bhagwat

Principal, RMCET, Ambav.

CONVENER:

Mr. M. Y. Gadkari

HOD & Asst. Prof., Computer Engg., RMCET, Ambav,

COORDINATOR:

Mr. P. S. Gamare

Asst. Prof., Computer Engg., RMCET, Ambav,

ORGANISING COMMITTEE:

Mr. L. S. Naik

Asst. Prof., Computer Engg., RMCET, Ambav,

Ms. S. R. Mangale

Asst. Prof., Computer Engg., RMCET, Ambav,

Ms. S. R. Jadhav

Asst. Prof., Computer Engg., RMCET, Ambav,

RESOURCE PERSON:

Eminent Faculty from IITs, NITs, Teaching Learning Centres and Senior Faculty

AICTE-ISTE Sponsored Refresher Course

ON

"Recent Trends in AI"

11th to 17th January, 2022



Organized by



Department of Computer Engineering

Rajendra Mane College of

Engineering and Technology

A/P: Ambav, Devrukh, Tal: Sangameshwar,
Dist: Ratnagiri, Maharashtra, India - 415804

Tel.: (02354) 260992 / 261502 / 261503

Fax: (02354) 261501

Website: www.rmct.com

Course Objectives & Context:

1. To understand major building blocks used in Deep Learning based solutions. Specifically, feed forward neural networks, convolutional neural networks, recurrent neural networks, etc.
2. To understand and apply different loss function and optimization techniques to improve the performance of architecture.

Course Outcome:

After successful completion of this course, Faculty will be able to:

1. Understand the fundamentals of deep learning.
2. Use various techniques of deep learning in the field of research and innovation.
3. Design and implement deep Neural Network Systems by using standard algorithms.

Who Can Attend?

Participants are expected to have an engineering background from Computer, Information Technology, Electronics and Telecommunication or other relevant disciplines are most welcome.

Number of Participants:

Number of Participants Expected-40

Session Details:

Date: 11/01/2022

- Session 1: (9.30 am to 11.00 am) Inauguration
Session 2: (11.30 am to 1.00 pm) Python Basics (Data types, List, Tuple, Set, Dictionary,)
Session 3: (2.30 pm to 4.00 pm) Python Basics (package, File Handling, Class, Numpy, plotting)

Date: 12/01/2022

- Session 1: (9.30 am to 11.00 am) Basic Pillars and future aspects of AI
Session 2: (11.30 am to 1.00 pm) Machine Learning, Types of machine learning, Supervised Machine learning and Unsupervised machine learning
Session 3: (2.30 pm to 4.00 pm) Classification and Regression, Naïve Bayes Classifier

Date: 13/01/2022

- Session 1 : (9.30 am to 11.00 am), Decision Tree, Support Vector machine
Session 2: (11.30 am to 1.00 pm) KNN, K-mean Clustering algorithm
Session 3: (2.30 pm to 4.00 pm) Session on National Education Policy (NEP)

Date: 14/01/2022

- Session 1: (9.30 am to 11.00 am) Introduction to Neural Network, feed forward neural network
Session 2: (11.30 am to 1.00 pm) Optimization techniques, Activation function
Session 3: (2.30 pm to 4.00 pm) Session on Stress Management

Date: 15/01/2022

- Session 1 : (9.30 am to 11.00 am) Introduction to convolutional neural network,
Session 2: (11.30 am to 1.00 pm) CNN architectures and applications
Session 3: (2.30 pm to 4.00 pm) Introduction to Recurrent neural network

Date: 17/01/2022

- Session 1 : (9.30 am to 11.00 am) Types of RNN, GNN, LSTM
Session 2: (11.30 am to 1.00 pm) Applications of RNN
Session 3: (2.30 pm to 4.00 pm) Valedictory function

Registration Fees:

It's an AICTE-ISTE sponsored program, so no registration fees for Participants.

Certificate:

Participation E-certificate will be issued by RMCET after successful completion of the course.

REPORT

**AICTE-ISTE Sponsored Refresher Course
on
“Recent Trends in AI”,
11th - 17th January, 2022**

Rajendra Mane College of Engineering and Technology, Ambav has organized AICTE-ISTE sponsored One-Week Refresher Course on “Recent Trends in AI” from 11th - 17th January, 2022. This FDP programme received an overwhelming response with more than 130 participants from various institutes/colleges approved by AICTE and affiliated to various Universities across the arena of India.

**Day-1, Session-1:
Date- 11th January, 2022**

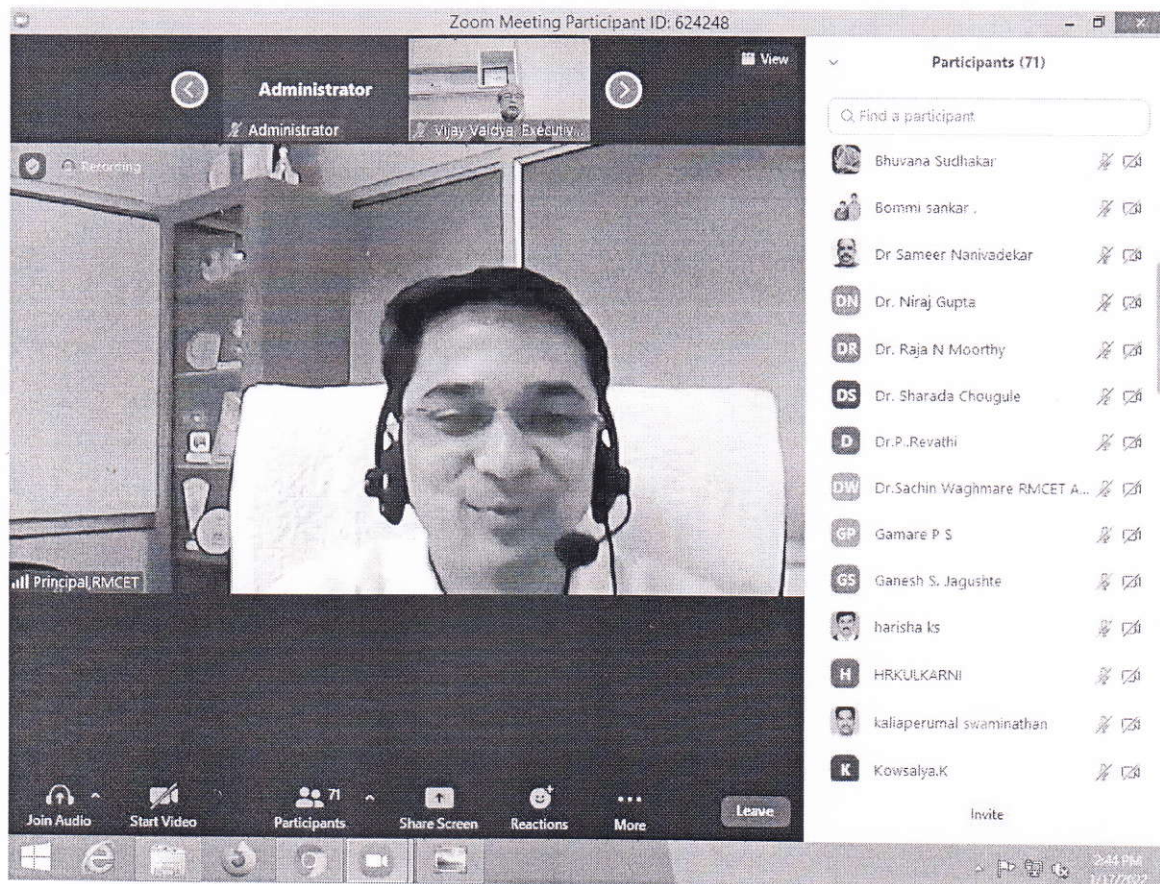
Inauguration:

AICTE-ISTE sponsored One-Week Refresher Course on “Recent Trends in AI” was inaugurated on 11th January, 2022 by Dr. Pratapsinh Kakasaheb Desai, President, ISTE, New Delhi along with Hon. Shri. Ravindraji M. Mane, Chairman, P.S.P.S., Dr. M. M. Bhagwat, Principal, RMCET, Head of the Department, CE Department, Mr. M. Y. Gadkari and Coordinator of the Refresher Course.

Dr. M. M. Bhagwat has welcomed all the dignitaries and delegates. In his welcome speech, he highlighted the importance and objectives of organizing this faculty development programme. He also focused with latest technological advances in the field of Artificial Intelligence and Machine Learning. Practical learning is as much important as the theoretical learning. This is the sole responsibility of the teachers, who transmits their theoretical and practical knowledge to their academic circles and students. So, it is essential to develop an academicians that is capable of early identifying the thrust areas of research in AI.

Principal, Dr. M. M. Bhagwat thanked the AICTE-ISTE for selecting RMCET and sanctioning the amount to conduct the Faculty Development Programme on “Recent Trends in AI”. Chief Guest Dr. Pratapsinh Kakasaheb Desai, President, ISTE, New Delhi shared his views with the faculty on the theme of the FDP. He gave insight regarding various funding schemes available for researchers and teachers in the departments of Universities with UGC. He further added that, UGC will provide special benefits to the faculties in various disciplines by funding the research projects to encourage quality research. He emphasized that quality among teachers can be built only through faculty development programs.

At the end of the Inaugural, the session was concluded with a vote of thanks given by Mr. P. S. Gamare, Assistant Professor, RMCET-Ambav.



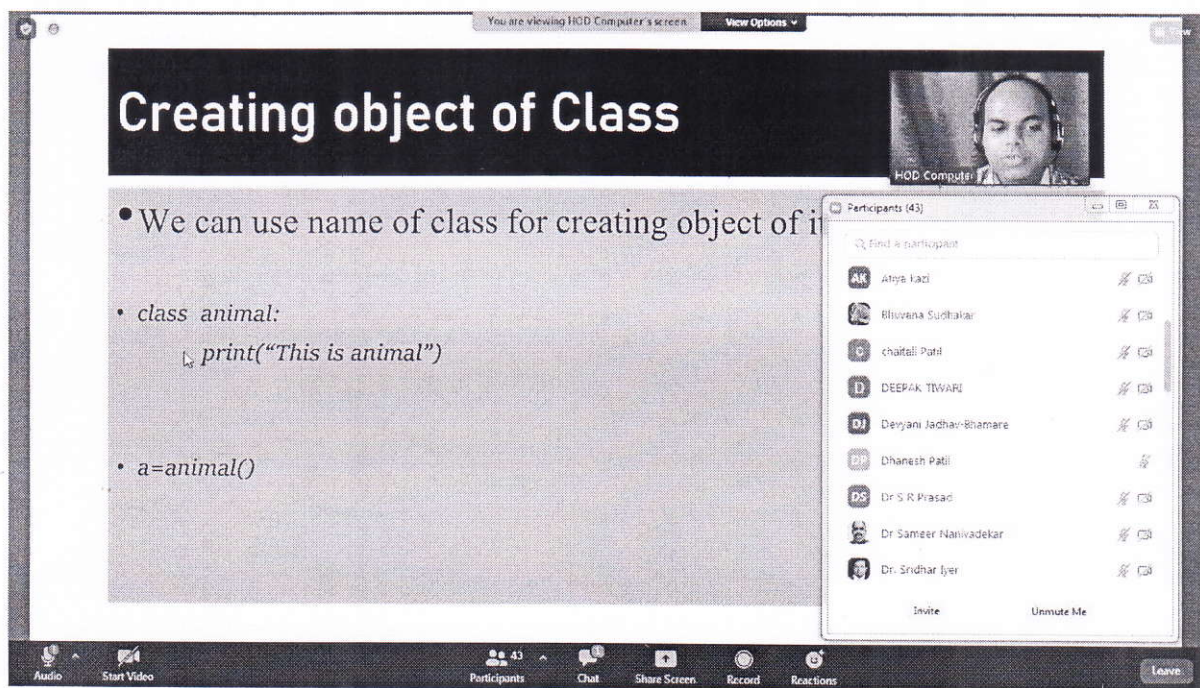
Day-1, Session-2 and 3:

Date- 11th January, 2022

Topic: Importance of Machine Learning Python Basics (Data types, List, Tuple, Set, Dictionary)

Resource Person: Mr. M. Y. Gadkari, RMCET-Ambav .

The resource person of this session, **Mr. M. Y. Gadkari, RMCET-Ambav**, started his lecture on how to install and use python along with packages like Data types, List, Tuple, Set, Dictionary, Package, Class, File Handling, Numpy, plotting form the basis to start AI. He briefed the discussion about the importance of Machine Learning and Artificial Intelligence. The session was ended by a formal vote of thanks by Ms. Snehal Mangale, Assistant Professor, RMCET-Ambav.



The screenshot shows a Zoom meeting interface. At the top, it says "You are viewing HOD Computer's screen" and "View Options". The main content is a slide titled "Creating object of Class". The slide text includes:

- We can use name of class for creating object of i
- `class animal:`
 - `print("This is animal")`
- `a=animal()`

On the right side, there is a "Participants (43)" window showing a list of participants with their names and icons. The participants listed are:

- AK Aarya Iazi
- Bhuvana Sudhakar
- chaitali Patil
- DEEPAK TIWARI
- Devyani Jadhav-Bhamare
- Dhanesh Patil
- Dr S R Prasad
- Dr Sameer Nanivadekar
- Dr. Sridhar Iyer

At the bottom of the Zoom window, there are controls for Audio, Start Video, Participants (43), Chat, Share Screen, Record, Reactions, and Leave.

Day-2, Session-1:

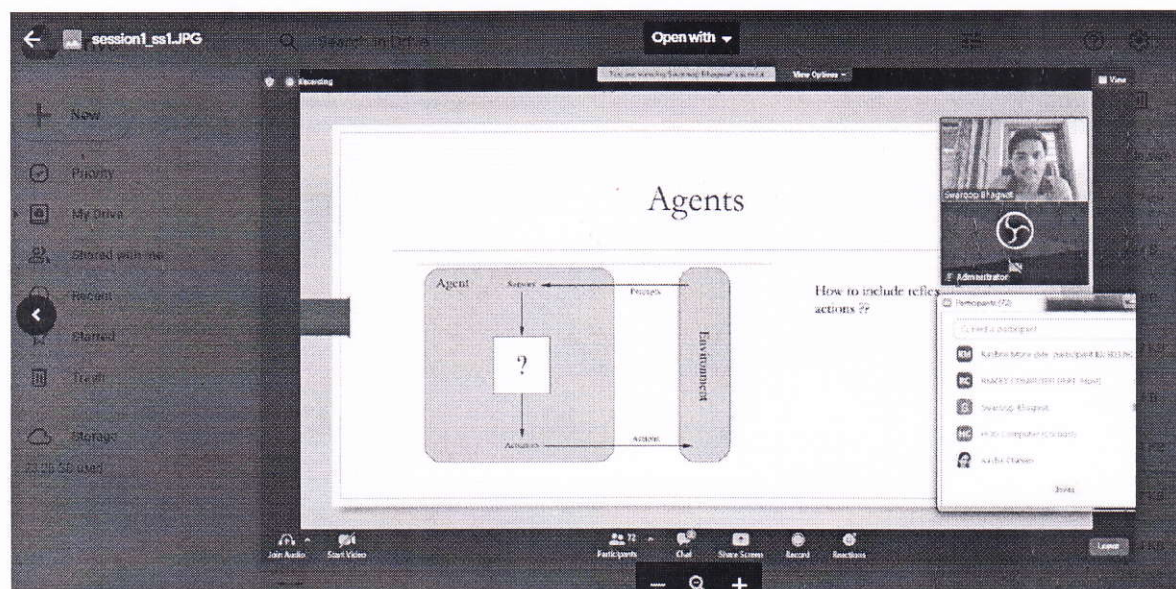
Date- 12th January, 2022

Topic: Basic Pillars and future aspects of AI

Resource Person: Mr. Swaroop Bhagwat, Software Engineer II Uber, Bangalore.

On Day 2, the Session welcome note was presented by Ms. Snehal Mangale, Assistant Professor, RMCET-Ambav. After then, Mr. Swaroop Bhagwat, Software Engineer II Uber, Bangalore gave an idea about Basic Pillars and future aspects of AI Neural Networks and Artificial. Neural Networks and Different Classification Techniques and conducted hands-on session on classification

techniques. At the ending of session, Mr. P.S. Gamare, Assistant Professor, RMCET-Ambav gave vote of thanks to the resource person and the delegates.



Day-2, Session-2 and 3:

Date- 12th January, 2022

Topic: Machine Learning, Types of machine learning, Classification and Regression, Naive Bayes Classifier.

Resource Person: Dr. Raman R. Bane, Associate Professor, GIT Level.

The Day-2 technical session was started with formal welcome note by Mr. P.S. Gamare, Assistant Professor, RMCET-Ambav. **Dr. Raman R. Bane** emphasized on the importance of Machine Learning, various methods of Unsupervised Learning, Classification and Regression, Naive Bayes Classifier etc. He introduced the Google Code Lab for developing and testing the machine learning programs. The session was ended with the vote of thanks given by Mr. P.S. Gamare, Assistant Professor, RMCET-Ambav

Recording

You are viewing Raman Bane's screen View Options

Perceptron

$$y = 1 \text{ if } \sum_{i=1}^n u_i$$

$$= 0 \text{ if } \sum_{i=1}^n u_i$$

Rewriting the above,

$$y = 1 \text{ if } \sum_{i=1}^n u_i$$

$$= 0 \text{ if } \sum_{i=1}^n u_i$$

Participants (61)

Find a participant

- Asra Sah
- Mr.Swapnil Brijal Kadam
- MYG
- NITHYAKALYANI
- Panchal Vedprakash

Join Audio Start Video Participants 61 Chat Share Screen Record Reactions Leave

Day-3, Session-1:

Date- 13th January, 2022

Topic: Decision Tree, Support Vector machine

Resource Person: **Dr. Utkarsha Pacharney** Assistant Professor Datta Meghe College of Engineering Mumbai.

On the beginning of Day-3, welcome note was presented by Ms. Snehal Mangale, Assistant Professor, RMCET-Ambav. Then **Dr. Utkarsha Pacharney**, as a resource person of the session highlighted the importance of Decision Tree, Support Vector machine. Ms. Snehal Mangale, Assistant Professor, RMCET-Ambav ended the session by presenting the vote of thanks.

Recording

You are viewing Dr. Utkarsha Pacharney's screen View Options

Decision Tree.ipynb

Python Code for Decision Tree

```

import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns

```

Loading the Database/CSV file in the code

```

iris_df = pd.read_csv("https://raw.githubusercontent.com/jbrownlee/Datasets/master/iris.csv")
iris_df.head()

```

	Sepal_length	Sepal_width	Petal_length	Petal_width	Species
0	5.1	3.5	1.4	0.2	Setosa
1	4.9	3.0	1.4	0.2	Setosa
2	4.7	3.2	1.3	0.2	Setosa
3	5.0	3.1	1.5	0.2	Setosa
4	5.0	3.6	1.4	0.2	Setosa

```

print("Size of the data", iris_df.shape)

```

Participants (55)

Find a participant

- Bhomi Sanjar
- Dhanashree Jadhav
- Dr. Sameer Hanjivdekar
- Dr. Shikha Chougale
- Dr. Shikha V. Chougale
- Dhruvesh Patange
- Ganesh S. Jangirde
- Ganesh Sawant
- Guram Ghanshar

Join Audio Start Video Participants 55 Chat Share Screen Record Reactions Leave

Day-3, Session-2:

Date- 13th January, 2022

Topic: KNN, K-mean Clustering Algorithm

Resource Person: Dr. Satishkumar Varma, Professor & Head IT, Pillai College of Engineering, New Panvel.

Mr. P.S. Gamare, Assistant Professor, RMCET-Ambav, welcomed the resource person on Day-3. The technical session was started by Dr. Satishkumar Varma. He started his discussion with the fundamentals of Clustering Algorithm and Techniques. He demonstrated the KNN, K-mean Clustering Algorithms. The session was ended with the vote of thanks given by Mr. P.S. Gamare, Assistant Professor, RMCET-Ambav.

Day-3, Session-3:

Date- 13th January, 2022

Topic: Session on National Education Policy (NEP)

Resource Person: Mr. Mandar Bhanushe, Assistant Professor, IDOL, Mumbai.

On Day 3, welcome note was presented by Ms. Snehal Mangale, Assistant Professor, RMCET-Ambav. Resource person of this session **Mr. Mandar Bhanushe** highlighted the vision of National Education Policy (NEP). He says that, our country's education system and research facility will become more robust and with the help of this, students who spent thousands of dollars on education in foreign countries will get global standards in line in India. With the formal vote of thanks presented by Ms. Snehal Mangale, Assistant Professor, RMCET-Ambav ended the session.

Day-4, Session-1:

Date- 14th January, 2022

Topic: Introduction to Neural Network, feed forward neural network.

Resource Person: Dr. Jayavrinda Vrindavanam, Professor and Chairperson, Dayananda Sagar University, Bangalore.

Welcome note was presented by Mr. P.S. Gamare, Assistant Professor, RMCET-Ambav, welcomes the resource person and the delegates of the session. Our Resource Person, **Dr. Jayavrinda Vrindavanam**, discussed in detail about the basics of Neural Network, feed forward neural network and how these techniques were applied in different problem domains. Mr. P.S. Gamare, Assistant Professor, RMCET-Ambav delivered vote of thanks.

Day-4, Session-2:

Date- 14th January, 2022

Topic: Optimization techniques, Activation function.

Resource Person: Dr. Satishkumar Varma, Professor & Head IT, Pillai College of Engineering, New Panvel.

On Day 4, the technical session welcome note was presented by Ms. Snehal Mangale, Assistant Professor, RMCET-Ambav. **Dr. Satishkumar Varma** as a resource person of the session, started his discussion with Optimization techniques, Activation functions used in AI. He described the objective wise analysis of Optimization techniques, Activation functions based on the problem domain. He described well that if we have to predict the variables then use regression family. If there are huge data or having the high frequency, then neural network is best. If researcher has to compare or find the difference between the variables, then he suggested to use hypothesis testing.

Ms. Snehal Mangale, Assistant Professor, RMCET-Ambav ended the session with formal vote of thanks.

Day-4, Session-3:

Date- 14th January, 2022

Topic: Session on Stress Management

Resource Person: Mrs. Sonia Shirke, STC Art of Living, Ratnagiri.

On the day-4 Session-3, Ms. Snehal Mangale, Assistant Professor, RMCET-Ambav presented welcome note. **Mrs. Sonia Shirke, STC Art of Living, Ratnagiri** has begun his talk by explaining the importance of stress management in our daily life. She told that Effective stress management helps you break the hold stress has on your life, so you can be happier, healthier, and more productive. The ultimate goal is a balanced life, with time for work, relationships, relaxation, and fun—and the resilience to hold up under pressure and meet challenges head on. She also explains and demonstrate importance of meditation. All participants enjoyed this session. Ms. Snehal Mangale, Assistant Professor, RMCET-Ambav ended the session with vote of thanks to the resource person and the delegates.

Day-5, Session-1:

Date- 15th January, 2022

Topic: Introduction to convolutional neural network

Resource Person: Dr. Sujata S. Alegavi, Assistant Professor Thakur College of Engineering, Mumbai.

Mr. P.S. Gamare, Assistant Professor, RMCET-Ambav welcomes the resource person of the session on day-5. **Dr. Sujata S. Alegavi**, inspire the participants to involve the students in the reasearch work. He explained briefly about Convolution Networks and how these techniques are useful to solve machine learning problems. Mr. P.S. Gamare, Assistant Professor, RMCET-Ambav ended the session by giving vote of thanks to the resource person and the delegates.

Day-5, Session-2:

Date- 15th January, 2022

Topic: CNN architectures and applications

Resource Person: Dr. Raja N. Moorthy, Adjunct Professor DSU Banglore, Advisor and Retired Director of Kirusa, India.

Mr. P.S. Gamare, Assistant Professor, RMCET-Ambav welcomes the resource person of the session on day-5. **Dr. Raja N. Moorthy**, a renowned speaker explained briefly about Convolution Neural Network CNN architectures and applications in AI. He also explains how these techniques are useful to solve machine learning problems. Mr. P.S. Gamare, Assistant Professor, RMCET-Ambav ended the session by giving vote of thanks to the resource person and the delegates.

Day-5, Session-3:

Date- 15th January, 2022

Topic: Introduction to Recurrent neural network

Resource Person: Dr. Vinayak A. Bharadi, Associate Professor, FAMT-Ratnagiri.

Ms. Snehal Mangale, Assistant Professor, RMCET-Ambav welcomes the resource person of the session on day-5. **Dr. Vinayak A. Bharadi**, discussed in detail about the basics of RNN and how these techniques were applied in diferrent problem domains. He also discussed the assumptions and limitations of LSTM. Ms. Snehal Mangale, Assistant Professor, RMCET-Ambav ended the session by giving vote of thanks to the resource person and the delegates.

Day-6, Session-1:

Date- 17th January, 2022

Topic: Types of RNN, GNN, LSTM

Resource Person: Dr. Raja N. Moorthy, Adjunct Professor DSU Banglore, Advisor and Retired Director of Kirusa, India.

Mr. P.S. Gamare, Assistant Professor, RMCET-Ambav welcomes the resource person of the session on day-5. **Dr. Raja N. Moorthy**, a renowned speaker explained briefly about Types of RNN, GNN, LSTM. He explains how RNNs can use their internal state (memory) to process sequences of inputs and how LSTM is used to classify, process and predict time series given time lags of unknown duration. It trains the model by using back-propagation. Mr. P.S. Gamare, Assistant Professor, RMCET-Ambav ended the session by giving vote of thanks to the resource person and the delegates.

Day-6, Session-2:

Date- 17th January, 2022

Topic: Applications of RNN.

Resource Person: Dr. Vinayak A. Bharadi, Associate Professor, FAMT-Ratnagiri.

Ms. Snehal Mangale, Assistant Professor, RMCET-Ambav welcomes the resource person of the session on day-5. **Dr. Vinayak A. Bharadi**, discussed in detail about the Applications of RNN and how these techniques were applied in different problem domains. Ms. Snehal Mangale, Assistant Professor, RMCET-Ambav ended the session by giving vote of thanks to the resource person and the delegates.

Day-6, Session-3:

Date- 17th January, 2022

Valedictory Session:

On the valedictory ceremony, **Prof. Vijay D. Vaidya, Executive Secretary, ISTE New Delhi** joined the session as a Chief Guest along with **Hon. Shri. Ravindraji M. Mane, Chairman, P.S.P.S., Dr. M. M. Bhagwat, Principal, RMCET, Head of the Department, CE Department, Mr. M. Y. Gadkari and Coordinator of the Refresher Course.**

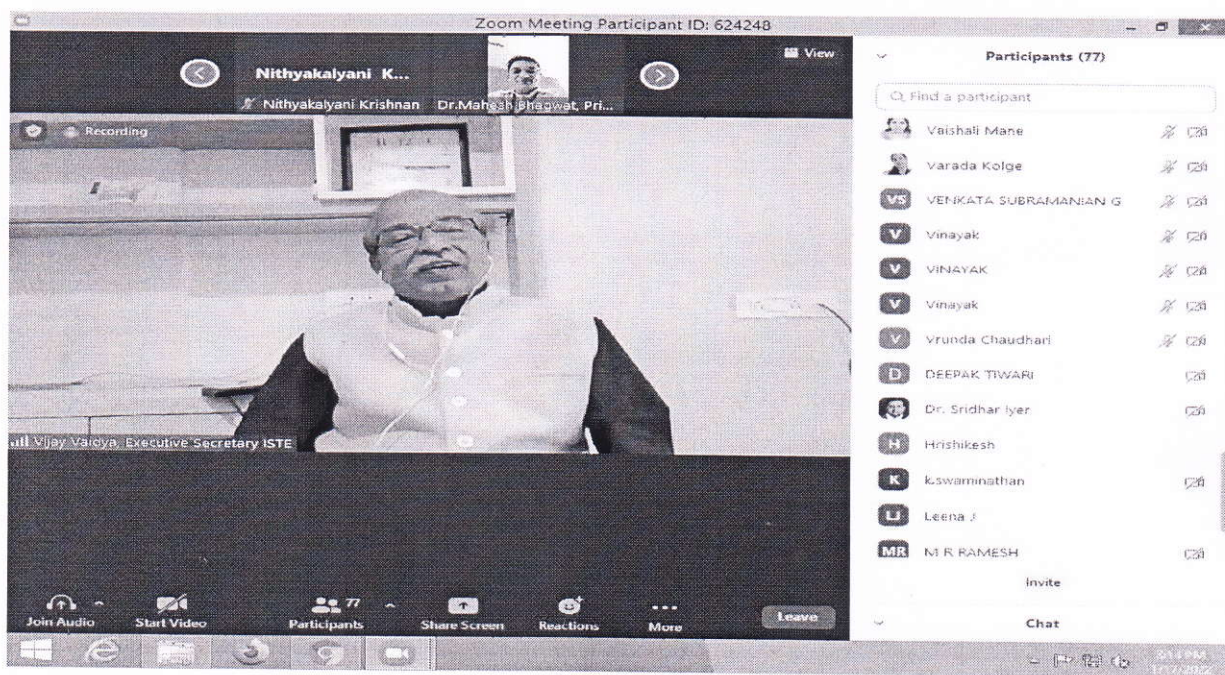
Dr. M. M. Bhagwat, Principal, RMCET, in his valedictory addressing, congratulated the Program Coordinator for organizing the FDP in a successful manner. Further, he appreciated the Teaching and Non-Teaching Staff Members of Computer Department for promoting such kind of development programme for the faculties. He also motivated the researchers and faculties about how to keep continuous interest in the research.

Prof. Vijay D. Vaidya, Executive Secretary, ISTE New Delhi during his address congratulates organizing committee and explains the importance of organizing such kind of refresher courses for upgrading the knowledge of faculty members in today's emerging areas.

During the Presidential speech, **Hon. Shri. Ravindraji M. Mane, Chairman, P.S.P.S.** congratulates organizing committee and express his heartfelt thanks **to the AICTE-ISTE for providing financial**

assistance to organize this FDP in our campus and hope we will find the support in future also for organizing such kind of activities.”

At the end of the valedictory session, vote of thanks was given by Mr. Gamare P.S. Coordinator of the Refresher Course in which he has been paid his gratitude towards all the dignitaries who has spared their valuable time and came from a far distance places to share their expertise with the participants. He also expressed the gratitude to the persons from the Print Media for their continuous coverage of the entire programme.



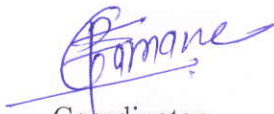
Feedback from the Participants:

The feedback of the participants was very positive and motivational for the organizers. The participants felt very happy for conducting the FDP on “Recent Trends in AI”. They have learned a lot on AI and Machine Learning Algorithms and Applications of ML in both theoretical and practical manner. They said that, this program was very useful and helpful for them in their research work and guiding the projects to the students.

While speaking, Mr. TUKKAPPA K GUNDOOR Professor, Karnataka University Dharwad said, “I really enjoyed the workshop on “Recent Trends in AI”. I had the time and space to practise

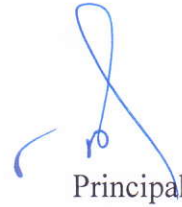
the techniques with support and compassion and I can see this is.. something I want to use and explore more.

And also, Dr. K. S. MOHANASUNDARAM from SRM Institute of Science and Technology, Vadapalani, Chennai said “This was a totally engaging workshop. Learning was happening for me on many different levels. Coordinator created an environment where we were able to learn from one another. As well as the exercises and activities they organized and skillfully guided us”. I’m very grateful to the Coordinator for arranging this Refresher Course.



Coordinator

Mr. Gamare P.S.



Principal

Dr. M.M. Bhagwat
PRINCIPAL
Pajendra Mane College of Engineering
& Technology Ambav, Dewrukh,
Tal. Sangameshwar Dist. Ratnagiri,
Pin : 415804 (Maharashtra)



AICTE-ISTE Sponsored Refresher course on "Recent Trends in AI"

11th January 2022 to 17th January 2022

Department of Computer Engineering

Rajendra Mane College of Engineering & Technology, Ambav- Devrukh

Day & Date	Session 1	Session 2	Session 3
	9.30 AM - 11.00 AM	11.30 AM – 1.00 PM	2.30 PM – 4.00 PM
Tuesday, 11/01/2022	Inauguration Function	Python Basics (Data types, List, Tuple, Set, Dictionary)	Python Basics (package, File Handling, Class, Numpy , plotting)
Resource Person	Dr. Pratapsinh Kakasaheb Desai President, ISTE, New Delhi	Mr. M. Y. Gadkari, Assistant Professor RM CET-Ambav	Mr. M. Y. Gadkari, Assistant Professor RM CET-Ambav
Wednesday, 12/01/2022	Basic Pillars and future aspects of AI	Machine Learning, Types of machine learning, Supervised and Unsupervised machine learning	Classification and Regression, Naive Bayes Classifier
Resource Person	Mr. Swaroop Bhagwat, Software Engineer II Uber, Bangalore	Dr. Raman R. Bane, Associate Professor, GIT Level.	Dr. Raman R. Bane, Associate Professor, GIT Level.
Thursday, 13/01/2022	Decision Tree, Support Vector machine	KNN, K-mean Clustering Algorithm	Session on National Education Policy (NEP)
Resource Person	Dr. Utkarsha Pacharney Assistant Professor Datta Meghe College of Engineering Mumbai	Dr. Satishkumar Varma, Assistant Professor Pillai College of Engineering, New Panvel	Mr. Mandar Bhanushe, Assistant Professor IDOL, Mumbai




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11th January 2022 to 17th January 2022


Department of Computer Engineering

Rajendra Mane College of Engineering & Technology, Ambav- Devrukh

Friday, 14/01/2022	Introduction to Neural Network, feed forward neural network.	Optimization techniques, Activation function	Session on Stress Management
Resource Person	Dr. Jayavrinda Vrindavanam, Professor and Chairperson, Dayananda Sagar University, Bangalore	Dr. Satishkumar Varma, Assistant Professor Pillai College of Engineering, New Panvel	Mrs. Sonia Shirke, STC Art of Living, Ratnagiri
Saturday, 15/01/2022	Introduction to convolutional neural network	CNN architectures and applications	Introduction to Recurrent neural network
Resource Person	Dr. Sujata S. Alegavi Assistant Professor Thakur College of Engineering, Mumbai	Dr. Raja N. Moorthy Professor DSU Bangalore Advisor and Retired Director of Kirusa, India	Dr. Vinayak A. Bharadi FAMT-Ratnagiri
Monday, 17/01/2022	Types of RNN, GNN, LSTM	Applications of RNN	Valedictory Function
Resource Person	Dr. Raja N. Moorthy Professor DSU Bangalore Advisor and Retired Director of Kirusa, India	Dr. Vinayak A. Bharadi FAMT-Ratnagiri	Prof. Vijay D. Vaidya Executive Secretary, ISTE, New Delhi


Mr. Gamare P. S.
Coordinator




Dr. M. M. Bhagwat
Principal RM CET

UTILIZATION CERTIFICATE

Name of the Scheme under which Grant was sanctioned AICTE - ISTE Induction /
Refreshers programmes 2020-21

NAME & ADDRESS OF THE INSTITUTE : Rajendra Mane College of Engineering & technology, Ambav (Devrakh)
File No. : Registration no - 201800079
Name of Coordinator : Mr. Gamare P.S.
Dates of the Programme : 11th to 17th January 2022
Title of the Programme : Recent trends in AI

Sl.No.	ISTE Sanction Order/Letter No. & Date under which grant was sanctioned	Amount (Rs.)	
01	<u>ISTE / AICTE - ISTE Induction - Refreshers program / 2021 - 22 dated - 21/09/2021</u>	<u>93,000/- Ninety Three Thousand Only</u>	Certified that out of the grant-in-aid of Rs. <u>93,000/-</u> (in words) sanctioned by the AICTE-ISTE during the financial year <u>2021-22</u> in favour of <u>Rajendra Mane College of Engg. & Tech. Ambav</u> (name of the institute) as per letter mentioned in the margin. Rs. <u>—</u> on account of unspent balance of previous year. Rs. <u>—</u> on account of other income/receipts, a sum of Rs. <u>83165/-</u> has been utilized for the purpose for which it was sanctioned and the balance of Rs. <u>—</u> remained unutilized at the end of the year.

Certified that I have satisfied myself that the conditions on which the grant-in-aid was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised

- i) Statement of Income and Expenditure
- ii) Receipt and Payment account, bank statement etc.
- iii) Bills/Vouchers/receipts etc.

[Signature]
 (Name & Signature of the Finance Officer/
 Accounts Officer of the institute with seal)



[Signature]
 Signature of Chartered Accountant
 Name of Chartered Accountant (with seal)
 Membership No.
 Rubber Stamp
 Full address
 Date : 11/5/2022

N. S. PUROHIT
 CHARTERED ACCOUNTANT
 M. No. 040951

UDIN-22040951AITKW0160



[Signature]
 (Name, Signature & Address of the Coordinator
 with seal)

[Signature]
 Signature of Head of the Institute
 Name & designation of the Head of Institute
 Rubber Stamp
 Full Address
 Date : 10/05/2022
PRINCIPAL
 Rajendra Mane College of Engineering
 & Technology Ambav, Devrukh,
 Tal. Sangameshwar Dist. Ratnagiri,
 Pin : 416804 (Maharashtra)

AICTE-ISTE Sponsored Refresher course on "Recent Trends in AI"

11th January 2022 to 17th January 2022

Department of Computer Engineering

Rajendra Mane College of Engineering & Technology, Ambav- Devrukh

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5	RMC005	Mr. Sujay D. Mainkar	Finolex Academy of Management & Technology, Ratnagiri	Electronics & Telecommunication En	Assistant Professor	Yes	66605	9130681708
6	RMC006	Shashank Shashikant Tolye	Hope Foundation's Finolex Academy of Management and Technol	Information Technology	Assistant Professor	No	NO	9028816817
7	RMC007	Rajkumar Bhimrao Pawar	Gharda Institute of Technology	Computer Engineering	Assistant Professor	Yes	LM76735	9921737394
8	RMC008	VIJESH MUNDOKALAM	Gharda Institute of Technology	Computer Engineering	Assistant Professor	No	No	7875914332
9	RMC009	Pandharkame subodh narayan	Gharda Institute of technology	EXTC	Assistant professor	Yes	LM 57883	9029738833
10	RMC010	Mrs. Varada Sachin Kolge	Gharda Institute of Technology	Electronics and Telecommunication	Asst.Prof	Yes	LM78205	8805668999
11	RMC011	ILTAPAWAR TIRUPATI L	Gf Gharda Institute of Technology	Electronics and Telecommunication	Assistant Professor	Yes	LM78204	9923265075
12	RMC012	Jyoti Khalkar	Gharda institute of technology	Computer Engineering	Assistant professor	Yes	No	7350998144
13	RMC013	Ms.Vijaya Dinkar Desai	Ashokrao Mane Group of Institution's, Vathar tarf Vadaoan	Computer science and engineering	Assistant Professor	No	No	8975318653
14	RMC014	Mrs.Sandhya Vaibhav Sagavkar	Ashokrao Mane Group of Institutions, Vathar	Electronics & Telecommunication En	Assistant Professor	Yes	LM109057	9011091886
15	RMC015	Rajendra Shankar Patil	Ashokrao Mane Group of Institution Vathar	Electronics and Telecommunication E	Assistant Professor	Yes	LM 87497	9049718724
16	RMC016	Rajaram M. Shinde	Rajarambapu Institute of Technology	Automobile Engineering	Assistant professor	Yes	LM46539	9970700969
17	RMC017	Hemant T Ingale	Godavari College of Engineering, Jalgaon	Electronics and Telecommunication E	Assistant Professor	Yes	LM- 48504	9730475913
18	RMC018	Dhanesh Subhash Patil	SSBT's College of Engineering and Technology, Bambhori, Jalga	Electrical Engineering	Assistant Professor	Yes	LM 100324	9823472068
19	RMC019	Manisha Shankarrao Deshmukh	Kavayitri Bahinabai Chaudhari North Maharashtra University Jalga	School of Computer Sciences	Assistant professor	No	NO	9226888311
20	RMC020	Mr. Ganesh Sudhakar Jagushte	Rajendra Mane College of Engineering and Technology, Ambav	Mechanical engineering	Assistant professor	Yes	LM 50873	9422392453
21	RMC021	Ms. Shubhangi B. Kamble	Rajendra Mane College of Engineering and Technology, Ambav	EXTC	Assistant professor	Yes	LM 90232	8149494465
22	RMC022	Ms. Snehal R. Mangle	Rajendra Mane College of Engineering and Technology, Ambav		Assistant professor	Yes		9404766370
23	RMC023	Ms. Sandhya Rangrao Jadhav	Rajendra Mane College of Engineering and Technology, Ambav	Computer science and engineering	Assistant professor	Yes		8149957818
24	RMC024	Mahesh Haridas Khedkar	Government College of Engineering Karad	Electronics and telecommunication	Assistant Professor	No	NO	9404862078
25	RMC025	Pooja S Tanurkar	Government College of Engineering karad	ENTC	Asst.Prof	No	No	9960418739
26	RMC026	Komal Mahadeo Masal	Government College of Engineering Karad	E&TC	Asst.Prof	No	-	8421948718
27	RMC027	Amruta Umesh Mohite	Government College of Engineering karad	E&TC	Assistant Professor	No	NO	8308007510
28	RMC028	Supriya Sunil Kadam	Government College of Engineering Karad	Electronics and Telecommunication	Faculty	Yes	LM84256	9623804611
29	RMC029	Amit Bhimrao Jadhav	AD CET Ashta	Electrical Engineering	Asst.Prof.	Yes	LM118928	9579366328
30	RMC030	Ms. Shital Shahaji Gavade	Nanasaheb Mahadik Polytechnic Institute, Peth	Computer Engineering	Lecturer	No	NO	8390544364
31	RMC031	Mahesh Anaso Vhatkar	Nanasaheb Mahadik Polytechnic Institute,Peth	Computer Engineering	Lecturer	No	NO	7410160679
32	RMC032	Tusharkumar Rajaram Sathe	Nanasaheb Mahadik Polytechnic Institute,Peth	Computer Engineering	Lecturer	No	NO	9975749791
33	RMC033	Ashwini Koyande	Vidyalankar School of information technology	BSCIT	Asst prof	No	NO	9865334557
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35	RMC035	J Gunasundari	Vidyalankar school of Information technology Mumbai	Management	Head of the departme	No	No	7021991072
36	RMC036	Rohini Mano Desai	Vidyalankar school of Information Technology	Information Technology	Assistant Professor	No	No	9870880720
37	RMC037	Leena R. Jadhav	Vidyalankar School Of Information Technology	IT	Assistant Professor	No	No	8692850684
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48	RMC048	Dr. J. Padmavathi	SRM Institute of Science & Technology	Computer Science & Application	Associate Professor	No	NO	9791130420
49	RMC049	Dr S Muruganandam	SRM IST, Chennai	Computer Science and Applications	Assistant Professor	No	NO	6382048212
50	RMC050	M.Menaka	SRM Institute of Science and Technology	Mathematics	Assistant Professor	No	NO	9245724369
51	RMC051	Swapnil Brijlal Kadam	Sindhudurg shikshan prasarak mandal's College of Engineering	Computer Engineering	Assistant professor	Yes	LM65601	9960439752
52	RMC052	Mrs Devyani Swapnil Jadhav	SANJIVANI COE KOPARGAON	Information Technology	Assistant professor	Yes	49999	7588026688
53	RMC053	Ms. Dhanashree K. Patil	Cusrow Wadia Institute of Technology Pune-1	Computer	Lecturer	Yes	LM -130580	9823254357
54	RMC054	Dr Saurabh R Prasad	DKTE Society's Textile and Engineering Institute Ichalkaranji	Entc	Assistant Professor	Yes	47025	9423285079
55	RMC055	M R RAMESH	Indira Gandhi Centre for Atomic Research, Kalpakkam	Department of Atomic Energy	Scientific Assistant	No	No	9962213058
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59	RMC059	K. Swaminathan	Perunthalaivar kamarajar Institute of engineering and technology	Information technology	Lab technician	No	NO	9488179759
60	RMC060	Princy Mishra	RCET, Bhilai	CSE	Assistant professor	No	NO	8770791199
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63	RMC063	Miss . Palash Singh	P. . M. . B . Gujarati Arts & Law College , Indore	Arts	Student	No	7803864308	7803864308
64	RMC064	P.Armila Devi	St.Joseph's Degree College	Computer Science	Lecturer	No	NO	9985149195
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67	RMC067	Hitesh Ekanath Chaudhari	J. T. Mahajan College Of Engineering, Faizpur	Computer Engineering	Asst. Professor	Yes	NO	9834897492
68	RMC068	VENKATASUBRAMANIAN C	Southern India Regional Council of the Institute of Chartered Acco	Auditing	Faculty	No	NO	7092855936
69	RMC069	SUBHADIP SARKAR	ABS ACADEMY OF POLYTECHNIC	Civil engineering	Ex faculty	No	NO	9332652308
70	RMC070	Ms. ANGEL AGNES MARY I	Bharathidasan University, Khajamalai Campus , Tiruchirappalli -	Statistics	Guest Faculty	No	No	8825772905
71	RMC071	SNEHA PRASAD	SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY	ELECTRONICS AND COMMUNIC	PG STUDENT	No	NO	8618378077
72	RMC072	Dr. Niraj Gupta	College of Pharmacy Agra, Dr. A.P.J. Abdul Kalam Technical Univ	Pharmacy	Associate Professor	No	NO	9012395301
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74	RMC074	Dr V JOSEPHINE SUTHA	CSI Jayaraj Annappaikam College	Computer Applications	Assistant professor	Yes	LM 57859	8300187001
75	RMC075	SUHANA BEGUM	MANUU HYDRABAD	EDUCATION AND TRAINING	RESEARCH SCHOL	No	NO	9853083290
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79	RMC079	Sunil Kumar Sharma	Engineering College Ajmer	Electronics & Communication Engin	Assistant Professor	No	NO	9214345555
80	RMC080	Mrs.S.Usharam	Trinity College for Women	Computer Science	Assistant Professor	No	NO	9600335511
81	RMC081	Aarti Upadhyay	Sage University Bhopal	Commerce and Management	Assistant professor	No	NO	9425668273
82	RMC082	Dr. Shweta Rani	Dyal Singh College, University of Delhi	Geography	Assistant Professor	No	NO	9311139353
83	RMC083	Simran Koul	Sharda University, Delhi	English	Research Scholar	No	no	8899898285
84	RMC084	Ansari Usama Shakeel Ahmed	Indian Institute Of Technology Madras	Engineering Design	Research Scholar	No	no	7904757768
85	RMC085	VARSHA N	Vidya Vikas Institute of Engineering and Technology	Information Science and Engineering	Assistant Professor	No	NO	9731251883
86	RMC086	Ms.Hemalatha.R	Adhityamaan College Of Engineering,Hosur	Chemical	Student	No	NO	7904329554
87	RMC087	M SIVABALAN	GOVERNMENT THIRUMAGAL MILLS COLLEGE	COMPUTER SCIENCE	GUEST LECTURER	No	NO	9790517661
88	RMC088	Sathis kumar K	Govt.Thirumagal Mills College,Gudiattam-632602	Computer Applications	Lecturer	No	NO	9750766631
89	RMC089	D BHUVANESWARI	RAJAH SERFOJI GOVT COLLEGE(AUTONOMOUS)	COMPUTER SCIENCE	ASSISTANT PROFE	No	NO	9486048201

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91	RMC091	Er. DEEPAK TIWARI	SSIPMT, RAIPUR	ET & T	ENGINEER	No	No	8839403521
92	RMC092	SUTHAKAR MARI	BITS	IT	Manager	No	No	9444838213
93	RMC093	GOMASA RAMESH	Mahindra University	Civil Engineering	Ph.D student	Yes	0955	8978448140
94	RMC094	Dodia Richa virendrasinh	NVPAS college	Biological sciences	Research scholar	No	No	7043425614
95	RMC095	Uday Kumar Sinha	Guru Nanak College	Computer Application	Assistant Professor	No	No	9431724614
96	RMC096	Dr T.MEERA	School of Agricultural sciences	Agricultural sciences	Associate professor	No	NO	9626344837
97	RMC097	J. Senthil Kumar	KIT-KALAIAGNARKARUNANIDHI INSTITUTE OF TECHNOLOGY	Computer Science and Engineering	Assistant Professor	No	NO	9791768033
98	RMC098	Dr. Sridhar Iyer	KLE Dr MS Sheshgiri College of Engineering and Technology	ECE	Associate Professor	No	No	7349121907
99	RMC099	N RAMU	AMK Technological Polytechnic College	Mechanical	Lecturer(Sr. Grade)	Yes	LM29850	9444850415
100	RMC100	S.Anandhi Lavanya	Bharath Institute of Higher Education and Research	Plant Breeding and Genetics	Assistant Professor	No	No	9943051696
101	RMC101	TUKKAPPA K GUNDOOR	Karnataka University Dharwad	Computer science	Research scholar	No	NO	7847874715
102	RMC102	Er. VAISHALI SAHU	SSIPMT, RAIPUR	ET & T	ENGINEER	No	No	9179017853
103	RMC103	Chaudhari Vrunda Madhukar	Smt.P.K.Kotecha Mahila Mahavidyalaya,Bhusawal	Computer Science	Assist.Prof	No	No	9518579872
104	RMC104	Mr. N. MANIVANNAN	Bharath Institute of Higher Education and Research	School of Agricultural Science	Assistant Professor	No	NO	9025487509
105	RMC105	Dr Nabanita Sarmah	Biswanath College	Education	Assistant professor	No	No	8720911720
106	RMC106	Mrs. M. D. Jiwankar	SCOE, Pune	Engineering Sciences	Assistant Professor	No	NO	9850365349
107	RMC107	Dr. S. Seralathan	Hindustan Institute of Technology and Science, Chennai	School of Aeronautical Sciences	Professor	No	No	9444967008
108	RMC108	Bhoopendra Singh	Govt. Nirbhay Singh Patel Science College Indore (M.P.)	Computer Science	Assistant Professor	No	No	9893864909
109	RMC109	Dr. M.KAVITHA	AJK COLLEGE OF ARTS AND SCIENCE	Commerce	Assistant Professor	No	No	9944853143
110	RMC110	SAINAREN R	Mohamed sathak engineering college	Mechanical	UG Student	No	No	8870482635
111	RMC111	Dr PREVATHI	Govt Arts and science college, Thoundamuthur, coimbatore, Tamil	Computer Science	Guest lecturer	No	No	9994168300
112	RMC112	M. Sheela Hepsiba	PSG College Of Arts & Science	Department of Commerce	Research Scholar	No	No	9790548786
113	RMC113	Dr. Sameer Suresh Nanivadekar	A. P. Shah Institute of Technology Thane		Dean Academic	Yes	LM -53022	9224316388
114	RMC114	Ms. Nimisha Dinesh Deval	Sveris College of Engineering Pandharpur	Computer science and engineering	Assist.Prof	No		9689638344
115	RMC115	Mr. Vinayak M. Sale	Sveris College of Engineering Pandharpur	Computer science and engineering	Assist.Prof	Yes	LM -50893	9175799480
116	RMC116	K.Kowsalya	kowsalyakrishnamoorthy@gmail.com	Computer Science and Application	Assistant Professor	No	NO	7338769606
117	RMC117	G.Ramachandran	REC	ECE	Faculty	Yes	LM67364	9843396844
118	RMC118	Vikas Thombre	SKNSITS	Computer	Asst professor	Yes	LM 100276	9975045310
119	RMC119	Amit Kumar	MDJM	Supply chain management	Student	No	No	9894430441
120	RMC120	Dr. K. Priya	MKCJ	Computer Science	Research Coordinator	No	NO	9994177750
121	RMC121	Jaya	Barwani			No	No	9424894972
122	RMC122	Vaishali Mahadeo Mane	Bharti Vidhyapeeths Institute of Technology Polytechnic, Kolhapur	Computer Engineering	Lecturer			9561334667
123	RMC123	Ajit Anandrao Tatugade	Rajendra Mane College of Engineering and Technology, Ambav	EXTC	Asst professor			8087274140
124	RMC124	Sharada Chougule	Finolex Academy of Management and Technology Ratnagiri	EXTC				9975858577
125	RMC125	Mansi Kolwankar	Finolex Academy of Management and Technology Ratnagiri	EXTC				9421142531
126	RMC126	Bommi. K.	RAJAH SERFOJI GOVT COLLEGE Thanjavur	Computer Science		No		9894121820
127	RMC127	Kulkarni Hrushikesh Ravindra	Bharti Vidhyapeeths Institute of Technology Polytechnic, Kolhapur	Computer Engineering	HOD Computer	Yes	LM 121605	9890016295
128	RMC128	Laxman S. Naik	Rajendra Mane College of Engineering and Technology, Ambav	Computer science and engineering	Assistant professor	Yes		9404766370