



**GMR INSTITUTE OF TECHNOLOGY  
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**Department Of Electronics and Communication Engineering**

**CERTIFICATE OF PARTICIPATION**

is hereby awarded to

**Mr.Subba Rao Gangiregula**

**DVR & Dr HS MIC COLLEGE OF TECHNOLOGY, VIJAYAWADA**

For actively participating in FDP on "Advanced Signal Processing, Communications using AI and ML Techniques" jointly organized by Department of ECE of GMR Institute of Technology and Sri Sairam Institute of Technology from 21st to 25th March, 2022.

Dr. V Jagar Naveen  
Convener, GMRIT

Dr. S Rajarajan  
Convener, SSIT

Dr. C.L.V.R.S.V Prasad  
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Dr. K Palani Kumar  
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Convenor, SSIT

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Dr. C.L.V.R.S.V Prasad  
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Dr. L. S. Venkateswaran, **Professor of Technology**  
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Adviser-I, ATAL Academy



Coordinator

  
**PRINCIPAL**  
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Advisor-I, ATAL Academy  
Mamta Rani Agarwal

  
Coordinator

*Praveen*  
Praveen  
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Advisor-I, ATAL Academy  
Mamta Rani Agarwal



Coordinator

  
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Mamta Rani Agarwal

  
Coordinator  
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Mamta Rani Agarwal



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Kurnool - 518 007, Andhra Pradesh, India.

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## *Certificate of Participation*

This is to certify that

Mr. D. PRASAD

of

DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY

has participated

and completed One Week Faculty Development Program on "Exploring Data Mining and Machine Learning Applications" organized by the Department of Computer Science And Engineering,

G.Pulla Reddy Engineering College during 24<sup>th</sup> to 28<sup>th</sup> May 2021.

Dr.B.Santhosh Kumar

Convenor

Dr.N.Kasiviswanath

Head of Department

Dr.B.Sreenivasa Reddy

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Dr. V. Srilakshmi

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Dr.B.Sreenivasa Reddy

Dr.B.Santhosh Kumar

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Kurnool - 518 007, Andhra Pradesh, India.

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## *Certificate of Participation*

This is to certify that Mrs. G. PRATYUSHA of

DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY has participated

and completed One Week Faculty Development Program on "Exploring Data Mining and Machine

Learning Applications" organized by the Department of Computer Science And Engineering,

G.Pulla Reddy Engineering College during 24<sup>th</sup> to 28<sup>th</sup> May 2021.

Dr.B.Santhosh Kumar

Convenor

Dr.N.Kasiviswanath

Head of Department

PRINCIPAL

Principal

DVR & Dr. HS MIC College of Technology  
Kanchikacherla, NTR Devi  
Andhra Pradesh, India - 521180

Dr.B.Sreenivasa Reddy

**G. Pulla Reddy Engineering College (Autonomous)**  
Kurnool - 518 007, Andhra Pradesh, India.

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# *Certificate of Participation*

This is to certify that Mrs. CH. SABITHA of

**DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY**

has participated

and completed One Week Faculty Development Program on "Exploring Data Mining and Machine Learning Applications" organized by the Department of Computer Science And Engineering, G.Pulla Reddy Engineering College during 24<sup>th</sup> to 28<sup>th</sup> May 2021.

N. H.

**Dr.N.Kasiviswanath**

**Dr.B.Sreenivasa Reddy**

**Dr.B.Santhosh Kumar**

**Convenor**  
PRINCIPAL  
& Dr HS MIC College of Technology  
Kanchikacherla, NTR DR

Andhra Pradesh, India - 521100



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This is to certify that Mrs. P. MARESWARAMMA of

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has participated

and completed One Week Faculty Development Program on "Exploring Data Mining and Machine

Learning Applications" organized by the Department of Computer Science And Engineering,

G.Pulla Reddy Engineering College during 24<sup>th</sup> to 28<sup>th</sup> May 2021.

Dr.B.Santhosh Kumar

Convenor

Dr.N.KasiViswanath

PRINCIPAL

Dr.B.Sreenivasa Reddy

PRINCIPAL

Head of Department & Dr HS MIC College of Technology Principal  
Kanchikacherla, NTR D.  
Andhra Pradesh, India - 521180.



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## *Certificate of Participation*

This is to certify that Mr. MD. ELIAZ of

DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY

has participated

and completed One Week Faculty Development Program on "Exploring Data Mining and Machine

Learning Applications" organized by the Department of Computer Science And Engineering,

G.Pulla Reddy Engineering College during 24<sup>th</sup> to 28<sup>th</sup> May 2021.

M. ELIAZ

Dr.N.Kasiviswanath

Dr.B.Sreenivasa Reddy

Dr.B.Santhosh Kumar

Convenor

Head of Department

DVR & Dr. HS MIC College of Technology Principal

Kanchikachala, NTR DR.

Andhra Pradesh, India - 521180



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Kurnool - 518 007, Andhra Pradesh, India.

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## *Certificate of Participation*

This is to certify that

Mr. P. NARASIMHA RAO

of

DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY

has participated

and completed One Week Faculty Development Program on "Exploring Data Mining and Machine Learning Applications" organized by the Department of Computer Science And Engineering, G.Pulla Reddy Engineering College during 24<sup>th</sup> to 28<sup>th</sup> May 2021.

M. Sit

Dr.N.Kasiviswanath

Dr.B.Sreenivasa Reddy

Dr.B.Santhosh Kumar  
Convenor

Head of Department & Dr. HS MIC College of Technology  
Principal  
Kanchikacherla, MTR D  
Andhra Pradesh, India - 521 190



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## *Certificate of Participation*

This is to certify that

Ms. N V. MAHALAKSHMI

of

DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY

has participated

and completed One Week Faculty Development Program on "Exploring Data Mining and Machine Learning Applications" organized by the Department of Computer Science And Engineering, G.Pulla Reddy Engineering College during 24<sup>th</sup> to 28<sup>th</sup> May 2021.

Dr.B.Santhosh Kumar

Dr.N.Kasiviswanath

Dr.B.Sreenivasa Reddy

Convenor

Head of Department & Dr. HS MIC College of Technology Principal

Kanchikacharya, NTR DR  
Karnataka, India - 521180

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Kurnool - 518 067, Andhra Pradesh, India.

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## *Certificate of Participation*

This is to certify that Ms. S. LAVANYA of \_\_\_\_\_

DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY

has participated

and completed One Week Faculty Development Program on "Exploring Data Mining and Machine

Learning Applications" organized by the Department of Computer Science And Engineering,

G.Pulla Reddy Engineering College during 24<sup>th</sup> to 28<sup>th</sup> May 2021.

Ms. S. LAVANYA

Dr.N.Kasiviswanath

Dr.B.Sreenivasa Reddy

Dr.B.Santhosh Kumar  
Convenor

Head of Department

DVR & Dr. HS MIC College of Technology  
Kancharlupetra, NTR Dist, Principal  
Andhra Pradesh, India - 521180



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## *Certificate of Participation*

This is to certify that Ms. R. SRILAKSHMI of

DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY

has participated

and completed One Week Faculty Development Program on "Exploring Data Mining and Machine Learning Applications" organized by the Department of Computer Science And Engineering,

G.Pulla Reddy Engineering College during 24<sup>th</sup> to 28<sup>th</sup> May 2021.

N. H.

R. S. R.

**Dr.N.Kasiviswanath**

**Dr.B.Sreenivasa Reddy**

**PRINCIPAL**

**DVR & Dr. HS MIC College of Technology**

**Kanchikacherla, NTR DC**

**Andhra Pradesh, India - 521180**

**Dr.B.Santhosh Kumar**

**Convenor**



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This is to certify that Mr. B. KALYAN CHAKRAVARTHI of

DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY

has participated

and completed One Week Faculty Development Program on "Exploring Data Mining and Machine Learning Applications" organized by the Department of Computer Science And Engineering, G.Pulla Reddy Engineering College during 24<sup>th</sup> to 28<sup>th</sup> May 2021.

Mr. B. KALYAN CHAKRAVARTHI

Dr.N.Kasiviswanath

Dr.B.Sreenivasa Reddy

Dr.B.Santhosh Kumar  
Convenor

Head of Department

Dr. B. S. R. Principal  
Dr. B. S. R. Principal  
Kanchikacherla, NTR DR  
Kanchikacherla, NTR DR

Principal

Dr. B. S. R. Principal



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in A National Level One- Week Faculty Development Program on "Drifts in  
Cyber Crimes", organized by Department of Computer Science  
and Engineering from 2nd September to 7th September 2021.

M. Ravinder  
Principal

Dr. S. S. Dixit  
Convener

  
PRINCIPAL  
DVR & Dr HS MIC College of  
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.....from  
DVR & Dr HS MIC COLLEGE OF TECHNOLOGY  
.....has participated  
in A National Level One- Week Faculty Development Program on "Drifts in  
Cyber Crimes", organized by Department of Computer Science  
and Engineering from 2nd September to 7th September 2021.*

*M.Ramana*  
Principal

*Dr. S. K. Dixit*  
Convenor

*D. S. K. Dixit*  
DVR & Dr HS MIC College of Technology

*Dhavalakshni*  
Coordinator

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....DVR & Dr HS MIC COLLEGE OF TECHNOLOGY ..... has participated  
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Cyber Crimes", organized by Department of Computer Science  
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Principal

Dr. R. K. Choudhury  
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Prachi  
Coordinator

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DVR & DR HS MIC COLLEGE OF TECHNOLOGY .....has participated  
in A National Level One- Week Faculty Development Program on "Drifts in  
Cyber Crimes", organized by Department of Computer Science  
and Engineering from 2nd September to 7th September 2021.*

~~Mr. Principal~~

Convenor

DVR & Dr HS MIC College of Technology  
Coimbatore

**Dhanalakshmi**  
Coordinator

**"START HERE SUCCEED ANYWHERE"** Punjab, India - 521 020



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.....from  
DVR & Dr HS MIC COLLEGE OF TECHNOLOGY  
.....has participated  
in A National Level One- Week Faculty Development Program on "Drifts in  
Cyber Crimes", organized by Department of Computer Science  
and Engineering from 2nd September to 7th September 2021.

  
Principal

  
Convener

  
Dhanalaxmi  
Coordinator

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## NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL

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Seshadri Rao Gudlavalleru Engineering  
College, Gudlavalleru.  
Participation Certificate



This is to certify that Dr./Mr./Ms. M VIJAY KUMAR from DVR & Dr.HS MIC College of Technology has attended online Faculty Development Program on "Deep Learning for Real Time Research Applications" conducted by Dept. of Computer Science & Engineering, Seshadri Rao Gudlavalleru Engineering College in association with CCE, NITW from 03-01-2022 to 07-01-2022.

*B. S. Chandra* *G. Sudha* *P. R. K. R.*  
Dr. B. S. Chandra Prof. G. Sudha Prof. P. R. K. R.  
Coordinator, SRCEC Coordinator, SRCGC Director  
Faculty-in-charge CCE Computer Science & Engg. Dr. NTR Warangal

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# NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL



**Seshadri Rao Gudlavalleru Engineering  
&  
College, Gudlavalleru.**



This is to certify that Dr./Mr./Ms. **S GIRISH CHANDRA** from DVR & Dr.HS MIC College of Technology has attended online Faculty Development Program on “Deep Learning for Real Time Research Applications” conducted by Dept. of Computer Science & Engineering, Seshadri Rao Gudlavalleru Engineering College in association with CCE, NITW from 03-01-2022 to 07-01-2022.

<b>Dr. Bal Chandra</b> Dr. Bal Chandra Coordinator, SRGEC	<b>C. Sudha</b> Dr. C. Sudha Coordinator, SRGEC	<b>P. Rakshika</b> Dr. P. Rakshika Course Coordinator & Faculty in charge CCE
<b>Dr. R. Sudha Krishnan</b> Dr. R. Sudha Krishnan Dr. G. Venkatesh Dr. G. Venkatesh Head of Department Head of Department Principal, SRGEC Principal, SRGEC Director Director	<b>Dr. G. Venkatesh</b> Dr. G. Venkatesh Head of Department Head of Department Principal, SRGEC Principal, SRGEC Director Director	<b>Dr. G. Venkatesh</b> Dr. G. Venkatesh Head of Department Head of Department Principal, SRGEC Principal, SRGEC Director Director

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## NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL



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This is to certify that Dr./Mr./Ms. **A KALYAN KUMAR** from DVR & Dr.HS INC College of Technology has attended online Faculty Development Program on “Deep Learning for Real Time Research Applications” conducted by Dept. of Computer Science & Engineering, Seshadri Rao Gudlavalleru Engineering College in association with CCE, NITW from 03-01-2022 to 07-01-2022.

**B. Sri Chandra. G. Sudha**  
Dr.B.Sri Chandra  
Coordinator, SROEC

**Dr.G.Sudha**  
Dr.G.Sudha  
Coordinator, SROEC

**Dr. Raju Bhadra**  
Course Coordinator & Head of Department

**Prof. R. Radha**  
Principal, SROEC

**Dr. R. Radha**  
Faculty-in charge CCE Computer Science & Engg

**Principa**  
Principal

**Dr. H. S. MC**  
Director

**Dr. H. S. MC**  
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**Dr. H. S. MC**  
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**Andhra Pradesh, India - 523 007**

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This is to certify that Dr./Mr./Ms. **K VINAYA SREE** from **DVR & Dr.HS MIC College of Technology** has attended online Faculty Development Program on “Deep Learning for Real Time Research Applications” conducted by Dept. of Computer Science & Engineering, Seshadri Rao Gudlavalleru Engineering College in association with CCE, NITW from 03-01-2022 to 07-01-2022.

*B. S. Chandra, G. S. S. S. G.*  
Dr. Basu Chandra  
Coordinator, SRBEC

*Dr. G. S. S. G.*  
Dr. G. S. S. G.  
Course Coordinator &  
Faculty In charge CCE

*Dr. H. S. M. I.*  
Dr. H. S. M. I.

*P. R. K. K.*

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**B. R. Chaudhary** **G. Sridhar**  
Deputy Coordinator  
Coordinator, SRGBC Coordinator, SRCBC

**Dr. Raju Bhupya** **P. Rakesh**  
Course Coordinator & Head of Department  
Faculty in charge CCE Computer Science & Engg

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**B. S. Chandra** **G. Sudha**  
Dr.B.S. Chandra **Dr. A. S. Sudha**  
Coordinator, SRGEC Coordinator, SRGEC

**Dr. Raja Shinde**  
Course Coordinator &  
Faculty-in charge CCE

Computer Science & Engg.

**UVK & Dr HS MIC College of Technology, Warangal**  
Head/Principal, NTR DR.

Regd. No. 52160



# MIC College of Technology

*Autonomous*

DVR & Dr. HS

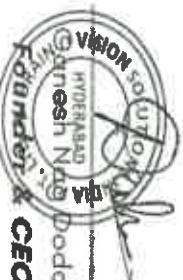
## CERTIFICATE

### of Participation

This certificate is presented to

**VARUN PRASAD DALLI**

For Successful completion of One Week National Level Faculty Development Programme on "Amazon Web Services" from 22nd-27th August 2022 organized by Department on Computer Science & Engineering in collaboration with BRAIN O VISION SOLUTIONS INDIA PVT. LTD. & ALL INDIA COUNCIL FOR TECHNICAL EDUCATION-AICTE.



Varun Dalli  
Coordinator

D Prasad  
HOD, CSE

Dr. K Srinivas  
Principal



## CERTIFICATE OF PARTICIPATION

C.No: 023-207370

Date: 16 Jun 2023

**D VARUN PRASAD**

**DVR & Dr. HS MIC College of Technology**

has participated in 5 Day Faculty Development Program on

**Robotic Process Automation Associate (UiPath)**

conducted by ICT Academy on 12 Jun 2023 to 16 Jun 2023 at

**DVR & Dr. HS MIC College of Technology**



In association with



**PRINCIPAL**  
DVR & Dr. HS MIC College of Technology

**NTR Dr. Hari Balachandran**  
Chief Executive Officer, ICT Academy

**MIC College of Technology**  
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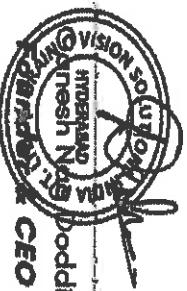
# **CERTIFICATE**

## **of Participation**

This certificate is presented to

**Srilakshmi Voddeli**

For Successful completion of One Week National Level Faculty Development Programme on "Amazon Web Services" from 22nd-27th August 2022 organized by Department on Computer Science & Engineering in collaboration with BRAIN O VISION SOLUTIONS INDIA PVT. LTD. & ALL INDIA COUNCIL FOR TECHNICAL EDUCATION-AICTE.



  
**Varun Dallit**  
Coordinator

  
**D Prasad**  
HOD, CSE

  
**Dr. K Srinivas**  
Principal

  
**PRINCIPAL**  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, NTR DR  
A.P., INDIA - 518120



**Department of Computer Science and Engineering**  
**Lakireddy Bali Reddy College of Engineering**  
**(Autonomous)**  
Mylavaram, Krishna (Dist), Andhra Pradesh



**PARTICIPATION CERTIFICATE**

This certificate is presented to Mr. / Ms. / Dr. Anuradha Anumolu, Asst. Professor of DVR & Dr.HS  
**MIC College of Technology** for participating Faculty Development Program titled "**Applied Data  
Science: Tools and Techniques**" conducted online from 29. 05. 2021 to 02. 06. 2021.

*R. Ch. G.*  
F. M.  
Co-Ordinator 1

*A. A.*  
FDP  
Co-Ordinator 2

HOD

Principal

G. Pulla Reddy Engineering College (Autonomous)  
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## *Certificate of Participation*

**Dr. G.SAI CHAITANYA KUMAR**

This is to certify that

**DVR&Dr.HS MIC COLLEGE OF TECHNOLOGY**

of \_\_\_\_\_  
has participated

and completed One Week Faculty Development Program on "Exploring Data Mining and Machine

Learning Applications" organized by the Department of Computer Science And Engineering,

G.Pulla Reddy Engineering College during 24<sup>th</sup> to 28<sup>th</sup> May 2021.

Dr.B.Santhosh Kumar  
Convenor

Dr.N.Kasiviswanath  
Head of Department

Dr.B.Sreenivasa Reddy  
Principal

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## One Week National Level Faculty Development Programme

on

Research Areas in Artificial Intelligence & Machine Learning with Case Studies

### Certificate of Participation

This is to Certify that Dr./Mr./Mrs. Anuradha Anumolu, Assistant Professor of **DVR & Dr.HS MIC College of Technology** has participated in a National Level One Week Faculty Development Programme(FDP) on Research areas in Artificial Intelligence & Machine Learning with Case Studies organized by Department of Computer Science & Engineering in Association with Gokaraju Rangaraju Institute of Engineering and Technology from 14-20 June 2021.

**Certificate No: JEGHQM-CE000382**

M.K.Uppendar Reddy      Dr.JVB Subramanyam  
Chairman      Principal  
ISTS

J.Prasad  
Dr.J.Prasad  
Principal  
ISTS

Dr.K.Prashanth Lakshmi  
Dr.K.Prashanth Lakshmi  
HOD, IT  
GRIET  
Kanalkacherla, NTR Nagar  
Andhra Pradesh, India  
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## Six Days Faculty Development Programme on “Data Science and Analytics”

## Certificate of Participation

This is to Certify that Dr./Mr./Ms.

Anuradha Anumolu

**Dvr & Dr.Hs Mic College Of Technology**

has actively

participated in Six Days Faculty Development Programme on “Data Science and Analytics” organized by the Department of B.Sc. Data Science and Analytics, Sree Saraswathi Thyagaraja College

In association with IBACUS-TECH, Coimbatore held from June 16 - June 22, 2021

D. G. G.

Ma. B. Geetha  
Convenor  
IOD - School of Computing

**Mr. Darvesh PK**  
Director  
**IBACUSTECH Colombo**

Centre for Faculty Development

**Dr. V. Ramachandran**  
Director

Dr. A. Sonu  
Principal, STC

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## PRINCIPAL INVESTIGATORS



# VEMU INSTITUTE OF TECHNOLOGY



Chittoor-Tirupathi National Highway, P.Kothakota, Near Pakala, Chittoor (Dt.),  
AP - 517112

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## Certificate

This is to certify that Anuradha Anumolu from DVR & Dr.HS MIC College of Technology has participated in a Virtual FDP on "Research, Innovation & Techno-Entrepreneurship (RITE-2021)" Organized by the Research & Development Cell and Students Innovation Club, Vemu Institute of Technology, P.Kothakota, Chittoor held from 14 to 18, June 2021 with Certificate ID: KHOL18-CE000108.

Coordinator

Principal

Dr. H. S. MIC College of Technology  
Kanchikacherla, NTR Dt.  
Andhra Pradesh, India - 521160.

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P.B. No.206, Gokulam, III - Stage, Mysore - 570 002, Karnataka, INDIA  
Accredited by NBA & 'A' Grade by NAAC  
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## *Certificate of Participation*

*This is to certify that Varun Dalli of Mr. has attended online 3-Day  
"FDP on Quantum Computing" organized by Department of Computer  
Science and Engineering from 25th and 27th July 2021*

  
Dr. Ravi Kumar V  
Professor and Head  
CSE, VVCE, Mysuru.

  
Dr. B Sadashive Gowda  
Principal

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## CERTIFICATE OF PARTICIPATION

C.No: 022-201119

Date: 18 Feb 2022

**D VARUN PRASAD**

**DVR & Dr. HS MIC College of Technology**

has participated in 6 Hours of Faculty Development Program on

**Microsoft Azure Fundamentals (Online FDP)**

conducted by ICT Academy on 16 Feb 2022 to 18 Feb 2022



Hari Balachandran  
Chief Executive Officer, ICT Academy

*balachandran*

**PRINCIPAL**  
**DVR & Dr HS MIC College of Technology**  
**Kanchikacherla, NTR Dt.**  
**Andhra Pradesh, India - 521180**

Kanchikacherla,  
Pradesh, India - 521180



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This is to certify that Mr./Ms./Dr. .... Varun Dalli ..... from  
DVR & Dr HS MC COLLEGE OF TECHNOLOGY ..... has participated  
in A National Level One- Week Faculty Development Program on "Drifts in  
**Cyber Crimes", organized by Department of Computer Science  
and Engineering from 2nd September to 7th September 2021.**

  
Principal

  
Convener

  
A. Dhavalakumari  
Principal Coordinator  
DVR & Dr HS MC College of Technology  
Kandikacherla, Nalgonda  
"START HERE SUCCEED ANYWHERE" - 2021-22 - 3-1981



## CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

**VARUN PRASAD DALVI**

has participated in a 5-Day Faculty Development Program  
organized by Department of Computer Science and Engineering,  
CMR Technical Campus, Hyderabad on Artificial Intelligence and  
Machine Learning

From 18 - Feb - 2022 to 22 - Feb - 2022.

A handwritten signature in black ink, appearing to read 'Anuradha'.

ANURADHA THOTA

CHIEF EXECUTIVE OFFICER

BLACKBUCK ENGINEERS PVT LTD

A handwritten signature in black ink, appearing to read 'Anuradha'.

DR. A. RAJI REDDY

DIRECTOR

PRINCIPAL, CMR TECHNICAL CAMPUS

DR & Dr. MS MC College, NTR DR  
Kandukur, Andhra Pradesh, India - 521180.

# St.PETER'S ENGINEERING COLLEGE, HYDERABAD

AN AUTONOMOUS INSTITUTION

AFFILIATED TO JNTUH, HYDERABAD AND APPROVED BY AICTE, NEW DELHI, ACCREDITED BY NBA AND NAAC 'A' GRADE  
C/o. FORER ACADEMI, KOMPALLY ROAD, BULLALY, KARIMNAGAR, HYDERABAD - 500100, TELANGANA, INDIA

## CERTIFICATE Of PARTICIPATION

This is to certify that, Varun Prasad Dalli, Associate professor, of DVR & Dr HS MIC COLLEGE OF TECHNOLOGY, has participated in 5 days Faculty Development Programme, "INTELLIGENT SYSTEMS FOR SUSTAINABLE DEVELOPMENT" from the 8th to 12th, June 2021 organized by the Department of Computer Science & Engineering and Information Technology, St.Peter's Engineering College, Hyderabad.

Dr.K.Satish Kumar  
Coordinator

Dr.Diana Moses  
HOD CSE

Dr. K. Sree Latha  
PRINCIPAL

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PRINCIPAL  
Dr HS MIC College of Technology  
Dr Kanchikacherla, NTR DR  
Andhra Pradesh, India - 521160.



**RISE KRISHNA SAI PRAKASAM**  
GROUP OF INSTITUTIONS: ONGOLE

AN AUTONOMOUS AICTE, ACCREDITED BY 'TEQIP' RESEARCH INSTITUTE, PG, CL, PG & RANKED AS 'A' GRADE BY GOVT. OF AP  
NH-16, Vallaru, ONGOLE, Prakasam District, AP- 523 272

**Department of Computer Science and Engineering**

PG3U2M-CE000164

*Faculty Development Programme*  
on

*Machine Learning*

*Certificate of Participation*

This is to certify that

Varun Prasad

Working in

**DVR & Dr HS MIC COLLEGE OF TECHNOLOGY**

has participated in Three day National Level Faculty Development Program on

**"Machine Learning"** held on 4<sup>th</sup> June to 6<sup>th</sup> June 2021.

*Varun*

Mr.D Rajesh  
Coordinator

*Varun*

Dr.K Suresh Babu  
Professor & Hod

*Varun*  
Dr.A.V.Bhaskara Rao  
Principal

*Varun*

PRINCIPAL



# Centre for Continuing Education

## NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL

Seshadri Rao Gudlavalleru Engineering  
College, Gudlavalleru.

### Participation Certificate



This is to certify that Dr./Mr./Ms. G.SAI CHAITANYA KUMAR from DVR & Dr.HS MIC College of Technology has attended online Faculty Development Program on "Deep Learning for Real Time Research Applications" conducted by Dept. of Computer Science & Engineering, Seshadri Rao Gudlavalleru Engineering College in association with CCE, NITW from 03-01-2022 to 07-01-2022.

*B. Sri Chaitanya*  
Dr. B. Sri Chaitanya  
Coordinator, SROEC Coordinator, SROEC

*G. Sudheer*  
Dr. G. Sudheer  
Course Coordinator & Head of Department

*P. Radhika*  
Dr. P. Radhika  
Faculty-in charge CCE Computer Science & Engg.

*P. Radhika*  
Dr. P. Radhika  
Course Coordinator & Head of Department

*P. Radhika*  
Dr. P. Radhika  
Faculty-in charge CCE Computer Science & Engg.

*P. Radhika*  
Dr. P. Radhika  
Course Coordinator & Head of Department

*P. Radhika*  
Dr. P. Radhika  
Faculty-in charge CCE Computer Science & Engg.

*P. Radhika*  
Dr. P. Radhika  
Course Coordinator & Head of Department

**PRINCIPAL**

DVR & Dr. HS MIC College of Technology  
Kanchanaburha, Warangal



# MAILA REDDY INSTITUTE OF ENGINEERING & TECHNOLOGY (UGC - AUTONOMOUS)

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ISO 9001 - 2015 Certified Institution

## Certificate of Participation

This is to certify that Mr./Ms./Dr. .... CH SABITHA .....  
DVR & Dr HS MIC COLLEGE OF TECHNOLOGY .....  
.....has participated  
in A National Level One- Week Faculty Development Program on "Drifts in  
Cyber Crimes", organized by Department of Computer Science  
and Engineering from 2nd September to 7th September 2021.

Mr. ....  
Principal

Dr. ....  
Convener

Dr. ....  
DVR & Dr HS MIC, College of Technology  
Kanthikere, NTR, Guntur  
Andhra Pradesh, India - 521180

Dhanalaxmi  
Coordinator

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(Sponsored by Malla Reddy Educational Society)

Permanently Affiliated to JNTUH, Accredited by NBA & NAAC with A Grade  
ISO 9001 - 2015 Certified Institution

## Certificate of Participation

This is to certify that Mr. / Ms. / Dr. .... G SAI CHAITANYA KUMAR.....from  
DVR & Dr HS MIC COLLEGE OF TECHNOLOGY.....has participated  
in A National Level One- Week Faculty Development Program on "Drifts in  
Cyber Crimes", organized by Department of Computer Science  
and Engineering from 2nd September to 7th September 2021.

Yashwant  
Principal

Devi  
Convener

  
Dhanalakshmi  
PRINCIPAL  
DVR & Dr HS MIC College of Technology, Coordinator  
Kanchikacherla, N.T.R. Dt.  
Karnataka, India - Pin: 521180

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**GMR INSTITUTE OF TECHNOLOGY  
&  
SRI SAIRAM INSTITUTE OF TECHNOLOGY**



Department Of Electronics and Communication Engineering

**CERTIFICATE OF PARTICIPATION**

is hereby awarded to

**Mrs. Sarada Atluru**

**DVR & Dr HS MIC COLLEGE OF TECHNOLOGY, VIJAYAWADA**

For actively participating in FDP on "Advanced Signal Processing, Communications using AI and ML Techniques" jointly organized by Department of ECE of GMR Institute of Technology and Sri Sairam Institute of Technology from 21st to 25th March, 2022.

Dr. V Jagas Naveen  
Convener, GMICUT

Dr. S Rajarajan  
Convener, SSIT

Dr. C.L.V.R.S. V Prasad  
Principal, GMRIT

Dr. K Pratik Kumar  
Principal, SSIT

*Ad*  
DVR & Dr HS MIC College of Technology  
Kanchikachetla, NTR DR  
Andhra Pradesh, India - 521180



**GMR INSTITUTE OF TECHNOLOGY  
&  
SRI SAIRAM INSTITUTE OF TECHNOLOGY**



**Department Of Electronics and Communication Engineering**

**CERTIFICATE OF PARTICIPATION**

is hereby awarded to  
**Mr. Raj Jaiswal**

**DVR & Dr HS MIC COLLEGE OF TECHNOLOGY, VITJAYAWADA**

For actively participating in FDP on "Advanced Signal Processing, Communications using AI and ML Techniques" jointly organized by Department of ECE of GMR Institute of Technology and Sri Sairam Institute of Technology from 21st to 25th March, 2022.

Dr. V Jagan Naveen  
Convenor, GMRIT

Dr. S Rajarajee  
Convenor, SSIT

Dr. C.L.V.R.S. V Prasad  
Principal, GMRIT

Dr. K Palani Kumar  
Principal, SSIT

  
**PRINCIPAL**  
**DVR & Dr HS MIC College of Technology**  
**Kanchikacherla, NTR Dt**  
**Andhra Pradesh, India - 521180.**



**GMRT INSTITUTE OF TECHNOLOGY  
&  
SRI SAIRAM INSTITUTE OF TECHNOLOGY**



**Department Of Electronics and Communication Engineering**

**CERTIFICATE OF PARTICIPATION**

is hereby awarded to  
**Mrs.Sunkara Mrudula**

**DVR & Dr HS MIC COLLEGE OF TECHNOLOGY, VIJAYAWADA**

For actively participating in FDP on "Advanced Signal Processing, Communications using AI and ML Techniques" jointly organized by Department of ECE of GMRT Institute of Technology and Sri Sairam Institute of Technology from 21st to 25th March, 2022.

*Yogesh...*

Dr.V Jagoe Naveen  
Convener, GMRT

*Sai*

Dr. S Rajarajan  
Convener, SSIT

*Pradeep*

Dr. C.L.V.R.S.V.Prasad  
Principal, GMRT

*Prakash Kumar*

Dr. K Prakash Kumar  
Principal, SSIT

*Adi*

PRINCIPAL

DVR & Dr HS MIC College of Technology  
Kanchikacherla, NTR Dt.  
Andhra Pradesh, India - 521180.

21-22 (6.3.22)



## CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

**VARUN PRASAD DALLI**

has participated in a 5-Day Faculty Development Program  
organized by Department of Computer Science and Engineering,  
CMR Technical Campus, Hyderabad on Artificial Intelligence and  
Machine Learning

From 18 - Feb - 2022 to 22 - Feb - 2022.

*Anuradha*

**ANURADHA THOTA**

CHIEF EXECUTIVE OFFICER

BLACKBUCK ENGINEERS PVT LTD

**PRINCIPAL**  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt. DIRECTOR  
Andhra Pradesh, India - Pin: 521180

**DRA. RAJI REDDY**  
DIRECTOR  
CMR TECHNICAL CAMPUS

*Anuradha*

# Palo Alto Networks Cybersecurity Academy

## Student Certificate of Completion

THIS CERTIFICATE OF ACKNOWLEDGEMENT CONFIRMS THAT

**P.MARESWARAMMA**

Has successfully completed

**Cybersecurity Foundation**



Michael J. Morris  
Chairman and CEO  
Palo Alto Networks

ZhBNYYGxUt  
Authorization Number

July 3, 2022

Authorization Date

[https://paloaltonetworksacademy.net/mod/customcert/verify\\_certificate.php](https://paloaltonetworksacademy.net/mod/customcert/verify_certificate.php)

Validation URL



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DVR & Dr. MS. ITC College of Technology  
Kattalakkere, N.T.R. Dt.  
Andhra Pradesh, India – Pin 521103



**Shri Vishnu Engineering College for Women :: Bhimavaram  
(Autonomous)**

**Department of Computer Science & Engineering**

One Week National Level Online Faculty Development Program on  
**Recent Trends in Artificial Intelligence and Cyber Security**

**Certificate of Participation**

This is to certify that G V P CHANDRA SEKHAR YADAV of DVR & Dr. HS MIC College of Technology , has participated in One Week National Level Online Faculty Development Program on Recent Trends in Artificial Intelligence and Cyber Security from 01-05 November 2022 organized by the department of CSE at Shri Vishnu Engineering College for Women (A), Bhimavaram. He/She has cleared the end exam successfully.



**Dr. P. Srinivasa Raju**  
**Vice-Principal**  
**HOD-CSE**



**Dr. P. Kiran Sree**  
**HOD-CSE**



**Dr. G. Srinivasa Rao**  
**Principal**

PRINCIPAL  
Dr. G. Srinivasa Rao  
Kanchikacherla, N.T.R. Dist.  
Andhra Pradesh, India  
Pin: 521180

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GRHPSY-CE000654



Shri Vishnu Engineering College for Women :: Bhimavaram

(Autonomous)

Department of Computer Science & Engineering

## One Week National Level Online FDP on

Societal Applications of Machine Learning, 26-30 December 2022

## Certificate of Participation

This is to certify that G V P Chandra Sekhar Yadav of DVR & Dr. HS MIC College of Technology, has participated in One Week National Level Online Faculty Development Program on Societal Applications of Machine Learning from 26-30 December 2022 organized by the department of CSE at Shri Vishnu Engineering College for Women (A), Bhimavaram. He/She has cleared the end exam successfully.

Dr. P. Kiran Sree  
HOD-CSE  
Dr. P. Srinivasa Raju  
Vice-Principal  
PRINCIPAL  
Dr. G. Srinivasa Rao  
Principal  
G. S. A. College of Technology

**Dr. P. Srinivasa Raju**  
**Vice-Principal**

**PRINCIPAL**  
**APV College of Techin** **Principl**  
**Dr. G. Srinivasa Rao**

PRINCIPAL  
MPC College of Technology  
Dr. G. Srinivasa Rao Principal





**MEERUT INSTITUTE OF ENGINEERING AND TECHNOLOGY, MEERUT**  
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### **CERTIFICATE OF PARTICIPATION**

THIS CERTIFICATE IS AWARDED TO

**M SAI GANESH KUMAR NAIDU**

from

**DVR & DR.HS MIC College of Technology**

has participated in **One Week Online Faculty Development Program** on "Modelling, Simulation, and Measurement of High Frequency Antennas for Advanced Wireless Communication" from **01/08/2022 to 05/08/2022** organized by Department of Electronics and Communication Engineering, Meerut Institute of Engineering and Technology in association with Entuple Technologies and ACIC MIET Meerut Foundation.

Dr. Pramod Singh  
Co-ordinator

Dr. Ashok Kumar Tripathi  
Co-ordinator

Dr. Neha Mittal  
Convener

Dr. Arun C. Parwate  
Director

ECCD/HFSS/2022-2023/563

*[Handwritten signature]*  
PRINCIPAL  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180



**Parul Polytechnic Institute**  
Faculty of Engineering & Technology Parul University  
P.O. Limda, Tal. Wagholia – 391760  
Dist. Vadodara, Gujarat State, India

Gujarat Council of Science & Technology Sponsored One Week Virtual National Level Faculty Development Program On

*RESEARCH: VISION TO SOLVE PROBLEMS THROUGH DIFFERENT ANGLES*

## *CERTIFICATE*

This is to certify that Dr./Mr./Ms. M Sai Ganesh Kumar Naidu of DVR & Dr.HS MIC College of Technology has attended one week Virtual National Level Faculty Development Program on “*Research : Vision to solve problems through different angles*” Under the Department of Science & Technology, Gujarat Council of Science & Technology (Govt. of Gujarat) organized by Applied Sciences and Humanities Department, Parul Polytechnic Institute, Faculty of Engineering & Technology, Parul University, Limda during **15<sup>th</sup> October, 2022 To 20<sup>th</sup> October 2022.**

Prof. Jatin S. Vaidya  
Principal,  
Parul Polytechnic Institute

Mr. Hemal Patel  
HOD,  
Applied Science and Humanities  
Department

Mrs. Vaishali Nathwani  
Coordinator  
Applied Science and Humanities  
Department

Mrs. Japanti Desai  
Coordinator  
Applied Science and Humanities  
Department

Coordinator, Applied Science  
and Humanities  
Department

**PRINCIPAL**  
**DVR & Dr. HS MIC College of Technology**  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180

DVR & Dr. HS

**MIC College of Technology**  
*Autonomous*



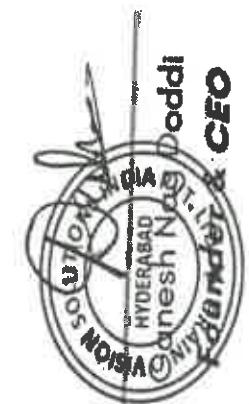
# **CERTIFICATE**

## **of Participation**

This certificate is presented to

**Pratyusha Gudavalli**

Successful completion of One Week National Level Faculty Development Programme on "Amazon Web Services" from 22nd-27th August 2022 organized by Department on Computer Science & Engineering in collaboration with BRAIN O VISION SOLUTIONS INDIA PVT. LTD. & ALL INDIA COUNCIL FOR TECHNICAL EDUCATION-AICTE.



**Varun Dalli**  
Coordinator

**D Prasad**  
HOD, CSE & Dr. HS

**Dr. K Srinivas**  
Principal  
PRINCIPAL  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180

COURSE  
CERTIFICATE



Dec. 2022

TRIVENI BÖMMISSETTI

has successfully completed

Data Processing Using Python

an online non-credit course authorized by Nanjing University and offered through  
Coursera



ZHANG LI

Course Director  
Institute of Computer Sciences

PRINCIPAL  
JVR & Dr. HS MEC College of Technology  
Kanchikachera, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180

Verdy at:  
<https://www.coursera.org/learn/python-course>  
Co. issue has confirmed the validity of the above on the spot at 07/01/2023  
for participation in the course



# CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

**K MAHANTHI**

has participated in a 5-Day Faculty Development Program  
organized by Department of Computer Science and Engineering,  
CMR Technical Campus, Hyderabad on Artificial Intelligence and  
Machine Learning

From 18 - Feb - 2022 to 22 - Feb - 2022.

ANURADHA THOTA  
CHIEF EXECUTIVE OFFICER  
BLACKBUCK ENGINEERS PVT LTD.

DR. A. RAJI REDDY  
DIRECTOR  
CMR TECHNICAL CAMPUS

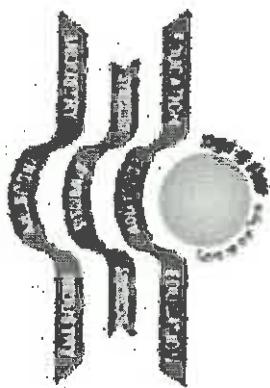
Mr & Dr. HS MIT College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180

DVR & Dr. HS

# MIC College of Technology

ISO 9001:2015 Certified Institute

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Kanchikacherla - 521180, NTR Dist, A.P, India.



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NBA-Accredited B.Tech (CSE/EEE/ME)
ASSOCIATION NASC A With Grade

## Participation Certificate

This is to certify that **Ms.K.MAHANTHI**, from **DVR &Dr.HS MIC College of Technology** has attended online Workshop on "**Writing Effective Research Article & structuring using Mendeley™**" conducted by **College Research & Development Cell, DVR & Dr.HS MIC College of Technology** from **21-04-2022 to 23-04-2022.**

*S.*

**Coordinator**

**Dr.G.Sai Chaitanya Kumar**

*✓*

**DVR & Dr.HS MIC College of Technology**  
Kanchikacherla, N.T.R. Dist, Andhra Pradesh, India - 521180

*K*

**Principal**  
**Dr.K.Srinivas**



# CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

**B. Murali Krishna**

has participated in a 5-Day Faculty Development Program  
organized by Department of Computer Science and Engineering,  
CMR Technical Campus, Hyderabad on Artificial Intelligence and  
Machine Learning

From 18 - Feb - 2022 to 22 - Feb - 2022.

A handwritten signature in black ink, appearing to read "Anuradha Thota".

ANURADHA THOTA  
CHIEF EXECUTIVE OFFICER  
BLACKBUCK ENGINEERS PVT LTD

A handwritten signature in black ink, appearing to read "A. Reddy".

DR. A RAJI REDDY  
DIRECTOR  
CMR TECHNICAL CAMPUS

PRINCIPAL  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180



# CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

**M SIVA NJANEYULU**

has participated in a 5-Day Faculty Development Program  
organized by Department of Computer Science and Engineering,  
CMR Technical Campus, Hyderabad on Artificial Intelligence and  
Machine Learning

From 18 - Feb - 2022 to 22 - Feb - 2022.

ANURADHA THOTA  
CHIEF EXECUTIVE OFFICER  
BLACKBUCK ENGINEERS PVT. LTD.

DR. A. RAJI REDDY  
DIRECTOR  
CMR TECHNICAL CAMPUS

PRINCIPAL  
JVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180



# CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

**G SHAKEELA**

has participated in a 5-Day Faculty Development Program  
organized by Department of Computer Science and Engineering,  
CMR Technical Campus, Hyderabad on Artificial Intelligence and  
Machine Learning

From 18 - Feb - 2022 to 22 - Feb - 2022.

ANURADHA THOTA  
CHIEF EXECUTIVE OFFICER  
BLACKBUCK ENGINEERS PVT LTD.

DR. A RAJI REDDY  
DIRECTOR  
CMR TECHNICAL CAMPUS

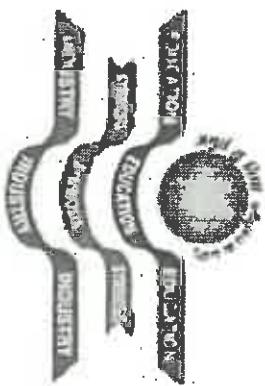
PRINCIPAL  
DVR & Dr. HS MIC College of Technology,  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180

DVR & Dr. HS

# MIC College of Technology

ISO 9001:2015 Certified Institute

(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada  
Kanchikacherla - 521186, NTR Dist, A.P, India.)



## Participation Certificate

This is to certify that **Ms. G.SHAKEELA**, from **DVR & Dr. HS MIC College of Technology** has attended online Workshop on “**Writing Effective Research Article & Structuring using Mendeley**” conducted by **College Research & Development Cell, DVR & Dr. HS MIC College of Technology** from 21-04-2022 to 23-04-2022.

*S. S.*

PRINCIPAL

DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dist.  
Andhra Pradesh, India - Pin - 521186

Coordinator

Dr. G.Sai Chaitanya Kumar

*KY*  
Dr.K.Srinivas



# CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT  
**VIJAYA RAMINENI**

has participated in a 5-Day Faculty Development Program  
organized by Department of Computer Science and Engineering,  
CMR Technical Campus, Hyderabad on Artificial Intelligence and  
Machine Learning

From 18 - Feb - 2022 to 22 - Feb - 2022.

ANURADHA THOTA  
CHIEF EXECUTIVE OFFICER  
BLACKBUCK ENGINEERS PVT LTD.

DR. A RAJI REDDY  
DIRECTOR

PRINCIPAL  
DVR & Dr. HS MEC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180

CMR TECHNICAL CAMPUS



# CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

**K SWAMI**

has participated in a 5-Day Faculty Development Program  
organized by Department of Computer Science and Engineering,  
CMR Technical Campus, Hyderabad on Artificial Intelligence and  
Machine Learning

From 18 - Feb - 2022 to 22 - Feb - 2022.

**ANURADHA THOTA**

CHIEF EXECUTIVE OFFICER

BLACKBUCK ENGINEERS PVT LTD.

**DR. A RAJI REDDY**

DIRECTOR

CMR TECHNICAL CAMPUS

**PRINCIPAL** **DVR & Dr. HS MIC College of Technology**

Kanchikacherla, N.T.R. Dt.

Andhra Pradesh, India – Pin: 521180



# CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

**G RAMAMOHANA RAO**

has participated in a 5-Day Faculty Development Program  
organized by Department of Computer Science and Engineering,  
CMR Technical Campus, Hyderabad on Artificial Intelligence and  
Machine Learning

From 18 - Feb - 2022 to 22 - Feb - 2022.

ANURADHA THOTA  
CHIEF EXECUTIVE OFFICER  
BLACKBUCK ENGINEERS PVT LTD

DR. A. RAJI REDDY  
DIRECTOR  
CMR TECHNICAL CAMPUS

PRINCIPAL  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180

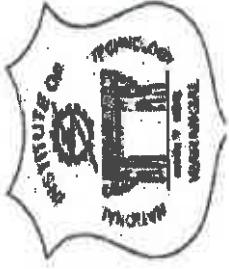
# Centre for Continuing Education

## NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL



&

Seshadri Rao Gudlavalleru Engineering  
College, Gudlavalleru.  
Participation Certificate



This is to certify that Dr./Mr./Ms. ANURADHA ANUMOLU from DVR & Dr.HS MIC College of Technology has attended online Faculty Development Program on "Deep Learning for Real Time Research Applications" conducted by Dept. of Computer Science & Engineering, Seshadri Rao Gudlavalleru Engineering College in association with CCE, MITW from 03-01-2022 to 07-01-2022.

*B. Sri Chandra: G. Sudheer  
Deputy Director  
Course Coordinator & Head of Department  
Coordinator, SSEC  
Faculty-in-charge CCE Computer Sciences & Engg*

*P. R. Shakal  
Deputy Director  
Course Coordinator & Head of Department  
Faculty-in-charge CCE Computer Sciences & Engg*

*DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh  
Prashant Patel, S.V. Ramana  
Principal, Director  
NIT Warangal*

*PRINCIPAL  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh  
Prashant Patel, S.V. Ramana  
Principal, Director  
NIT Warangal*



# CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

**ANURADHA ANUMOLU**

has participated in a 5-Day Faculty Development Program  
organized by Department of Computer Science and Engineering,  
CMR Technical Campus, Hyderabad on Artificial Intelligence and  
Machine Learning

From 18 - Feb - 2022 to 22 - Feb - 2022.

**ANURADHA THOTA**

CHIEF EXECUTIVE OFFICER

BLACKBUCK ENGINEERS PVT LTD

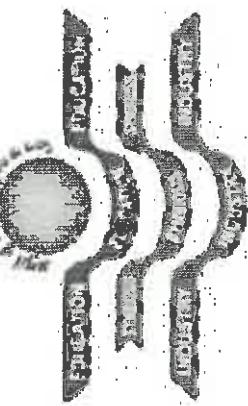
**DR. A RAJI REDDY**

DIRECTOR

PRINCIPAL  
DVR & Dr. HS MHC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180

CMR TECHNICAL CAMPUS

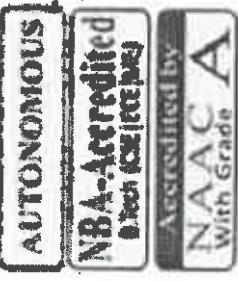
DVR & Dr. HS



# MIC College of Technology

ISO 9001:2015 Certified Institute

(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)  
Kanchikacherla - 521180, NTR Dist, A.P, India.



## Participation Certificate

This is to certify that **Ms. A. ANURADHA**, from **DVR & Dr. HS MIC College of Technology** has attended online Workshop on “**Writing Effective Research Article & Structuring using Mendeley**” conducted by **College Research & Development Cell, DVR & Dr. HS MIC College of Technology** from 21-04-2022 to 23-04-2022.

*Sai.*

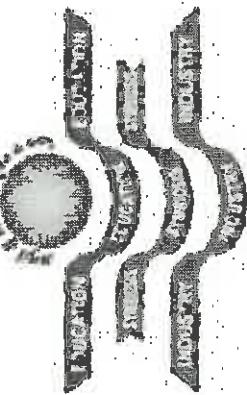
Coordinator  
**Dr.G. Sai Chaitanya Kumar**

*K.*

  
**PRINCIPAL**  
**DVR & Dr. HS MIC College of Technology**  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180

**Principal**  
**Dr.K. Srinivas**

DVR & Dr. HS



# MIC College of Technology

ISO 9001:2015 Certified Institute

(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)  
Kanchikacherla - 521180, NTR Dist, A.P, India.



## Participation Certificate

This is to certify that Ms. R.VIJAYA, from DVR & Dr. HS MIC College of Technology has attended online Workshop on "Writing Effective Research Article & Structuring using Mendeley" conducted by College Research & Development Cell, DVR & Dr. HS MIC College of Technology from 21-04-2022 to 23-04-2022.

Sai.

Coordinator  
Dr.G.Sai Chaitanya Kumar



Principal  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180  
Dr.G.Srinivas



# CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

*M.K. Manohar*

has participated in a 5-Day Faculty Development Program  
organized by Department of Computer Science and Engineering,  
CMR Technical Campus, Hyderabad on Artificial Intelligence and  
Machine Learning

From 18 - Feb - 2022 to 22 - Feb - 2022.

*Anuradha*

ANURADHA THOTA  
CHIEF EXECUTIVE OFFICER  
BLACKBUCK ENGINEERS PVT LTD

*AS*  
PRINCIPAL  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin 501190

*Anil Reddy*

DR. A. RAJI REDDY  
DIRECTOR  
CMR TECHNICAL CAMPUS



# CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

*R. Naga Raju*

has participated in a 5-Day Faculty Development Program  
organized by Department of Computer Science and Engineering,  
CMR Technical Campus, Hyderabad on Artificial Intelligence and  
Machine Learning

From 18 - Feb - 2022 to 22 - Feb - 2022.

*Anuradha*

ANURADHA THOTA  
CHIEF EXECUTIVE OFFICER  
BLACKBUCK ENGINEERS PVT LTD

*✓*  
PRINCIPAL  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180

*Anreddy*

DR. A RAJI REDDY  
DIRECTOR  
CMR TECHNICAL CAMPUS



# CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

*M.Naga Surya Prasad*

has participated in a 5-Day Faculty Development Program  
organized by Department of Computer Science and Engineering,  
CMR Technical Campus, Hyderabad on Artificial Intelligence and  
Machine Learning

From 18 - Feb - 2022 to 22 - Feb - 2022.

ANURADHA THOTA

CHIEF EXECUTIVE OFFICER

BLACKBUCK ENGINEERS PVT LTD

PRINCIPAL  
VR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180

DR. A. RAIJI REDDY

DIRECTOR

CMR TECHNICAL CAMPUS



# CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

*D.Subhashini*

has participated in a 5-Day Faculty Development Program  
organized by Department of Computer Science and Engineering,  
CMR Technical Campus, Hyderabad on Artificial Intelligence and  
Machine Learning

From 18 - Feb - 2022 to 22 - Feb - 2022.

ANURADHA THOTA  
CHIEF EXECUTIVE OFFICER  
BLACKBUCK ENGINEERS PVT LTD

PRINCIPAL  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180

DR. A. RAJI REDDY  
DIRECTOR  
CMR TECHNICAL CAMPUS



# CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

*B. Triveni*

has participated in a 5-Day Faculty Development Program  
organized by Department of Computer Science and Engineering,  
CMR Technical Campus, Hyderabad on Artificial Intelligence and  
Machine Learning

From 18 - Feb - 2022 to 22 - Feb - 2022

*Anuradha*

ANURADHA THOTA  
CHIEF EXECUTIVE OFFICER  
BLACKBUCK ENGINEERS PVT LTD

*✓*  
DVR & Dr. HS MIC College of Technology  
PRINCIPAL  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180

*Anreddy*

DR. A. RAJI REDDY  
DIRECTOR  
CMR TECHNICAL CAMPUS



# CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

*CH. Vinay Santhosh*

has participated in a 5-Day Faculty Development Program  
organized by Department of Computer Science and Engineering,  
CMR Technical Campus, Hyderabad on Artificial Intelligence and  
Machine Learning

From 18 - Feb - 2022 to 22 - Feb - 2022

ANURADHA THOTA

CHIEF EXECUTIVE OFFICER

BLACKBUCK ENGINEERS PVT LTD

DRA. RAJI REDDY

DIRECTOR

CMR TECHNICAL CAMPUS

*PRINCIPAL*  
JVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180



## CERTIFICATE OF PARTICIPATION

C.No: 022-201119

Date: 18 Feb 2022

**D VARUN PRASAD**

**DVR & Dr. HS MIC College of Technology**

has participated in 6 Hours of Faculty Development Program on

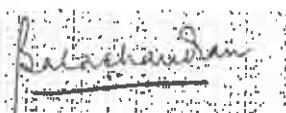
**Microsoft Azure Fundamentals (Online FDP)**

conducted by ICT Academy on 16 Feb 2022 to 18 Feb 2022



**PRINCIPAL**  
**DVR & Dr. HS MIC College of Technology**  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180

Harish Balachandran  
Chief Executive Officer, ICT Academy





# CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

**VARUN PRASAD DALLI**

has participated in a 5-Day Faculty Development Program  
organized by Department of Computer Science and Engineering,  
CMR Technical Campus, Hyderabad on Artificial Intelligence and  
Machine Learning

From 18 - Feb - 2022 to 22 - Feb - 2022.

**ANURADHA THOTA**  
CHIEF EXECUTIVE OFFICER  
BLACKBUCK ENGINEERS PVT LTD

P.R. RAJI REDDY  
PRATICIPAL  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dr.  
Andhra Pradesh, India - Pin: 521180

**DR. A. RAJI REDDY**  
DIRECTOR  
CMR TECHNICAL CAMPUS



PROJECT  
CERTIFICATE

Dec 2, 2022

Vijayya Ramineni

has successfully completed

**Tweet Emotion Recognition with TensorFlow**

an online non-credit project authorized by Coursera Project Network and offered through  
Coursera



*Autograph*

Smit Vaish  
Instructor  
Machine Learning and Data Science

PRINCIPAL  
JVR & Dr. HS MIC College of Technology  
Kanchikacheta, N.T.R. Dr.  
Andhra Pradesh, India - Pin: 521180

*Signature*  
<https://coursera.org/courses/1437937>



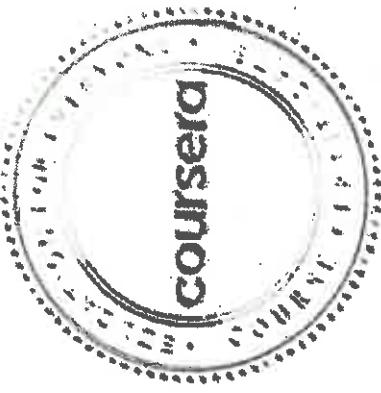
NANNING UNIVERSITY

CLERICAL STAFF.

Vijaya Ramineni

卷之三

Data Processing Using Python



**PRINCIPAL**  
Mic College of Technology  
JVR & Dr. HS N.I.T.R. Dt.  
Kanchikachera, N.I.T.R. Dt.  
Pin: 521180  
Andhra Pradesh, India

Z H A N G L U

PROJECT  
CERTIFICATE



Dec 2, 2012

VIJAYA RAMINENI

has successfully completed

Getting Started in Google Analytics

an online non-credit project authorized by Coursera Project Network and offered through  
Coursera



*Carrie Dauplaise*

*Carrie Dauplaise*  
Singer/Songwriter  
Production Group

PRINCIPAL  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180

Verif. st:  
<https://coursera.org/project/cert/22222222222222222222>  
Coursera has confirmed the identity of this recipient of this certificate.  
Participant in the Project

PROJECT  
CERTIFICATE



Dec 2, 2022

VAMSI SARELLA

has successfully completed

Introduction to Microsoft Excel

an online non-credit project authorized by Coursera Project Network and offered through  
Coursera



 PRINCIPAL  
DVR & Dr. HS MLC College of Technology,  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180

<https://coursera.org/project/5157777>  
Course URL: <https://coursera.org/project/5157777>  
Part of: <https://coursera.org/project/5157777>

Surendra  
Student Name: \_\_\_\_\_  
Freedom University \_\_\_\_\_

PROJECT  
CERTIFICATE



Dec 2, 2022

VAMSSI SARELLA

Has successfully completed

Regular Expressions in Python

an online, non-credit project authorized by Coursera Project Network and offered through  
Coursera



Hummaran Sarell  
Date Sealed:

A handwritten signature in black ink, appearing to read "Hummaran Sarell".

PROJECT  
CERTIFICATE



Dec 21, 2022

# ANURADHA ANUMOLU

has successfully completed

Introduction to Data Analysis using Microsoft  
Excel

an online non-credit project authorized by Coursera Project Network and offered through  
Coursera



*Paula Del Rey*

Paula Del Rey  
Subject Matter Expert  
Freudian Learning Group

PRINCIPAL  
JYR & Dr. HS MJC College of Technology  
Kanchikachhera, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180

Verify at:  
<https://coursera.org/verify/5V19WCH7P66>  
Coursera has confirmed the identity of this individual and the fact  
participated in the project.

PROJECT  
CERTIFICATE



Dec 2, 2022

## ANURADHA ANUMOLU

Has successfully completed

### Introduction to Microsoft Excel

an online non-credit project authorized by Coursera Project Network and offered through  
Coursera

A handwritten signature in black ink, appearing to read "Jyoti S. Jyoti".

Jyoti S. Jyoti  
Summer Stage  
Subject Matter Expert  
Freedom Learning Group

PRINCIPAL  
D.N.R & Dr. H.S. MLC College of Technology  
Kanchikachora, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180

Verify at:  
<https://coursera.org/verify/D2ZYZW07A3>

Coursera has certified that the identity of the person holding this  
certificate participated in the project.

PROJECT  
CERTIFICATE



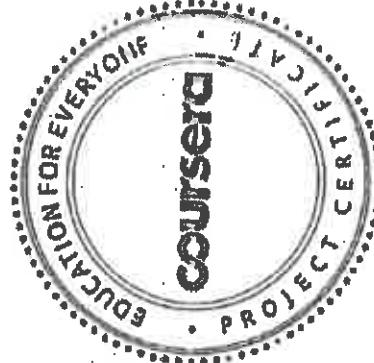
Dec 2, 2022

# ANURADHA ANUMOLU

has successfully completed

## Getting Started in Google Analytics

an online non-credit project authorized by Coursera Project Network and offered through  
Coursera



 PRINCIPAL  
**DVR & Dr. HS MIC College of Technology**  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180

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<https://coursera.org/verify/5AT7RANICJSK>  
Coursera has confirmed the identity of this individual and that  
participated in the project.



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ANURADHA ANUMOLU

THE ECONOMIC

## Regular Expressions in Python

an online non-credit project authorized by Coursera Project Network and offered through Coursera.




**PIMPRI CHINCHWAD EDUCATION TRUST**  
**PIMPRI CHINCHWAD COLLEGE OF TECHNOLOGY**  
**DVR & Dr. HS MIC College, N.I.R. Dt.**  
**Kanchikacheta, Pimpri Chinchwad, Pune - 411018**  
**Maharashtra, India - Pin: 521180**

ANOMALIES IN THE VENUSIAN ATMOSPHERE

Consequently he concluded the majority of the hills had a  
certain height, and that the height of the hills was  
proportional to the number of the hills.

PROJECT  
CERTIFICATE



Dec 2, 2022

# ANURADHA ANUMOLU

has successfully completed

**Tweet Emotion Recognition with TensorFlow**

an online non-credit project authorized by Coursera Project Network and offered through  
Coursera



ANURADHA  
ANUMOLU

From: Yashar  
Instructor  
Machine Learning and Data Science

PRINCIPAL  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dr.  
Andhra Pradesh, India - Pin: 521180

<https://coursera.org/verify/86FA1R6TQ>

Course has maintained the identity of this individual participant  
as participant in the project.



## PROJECT CERTIFICATE

Dec 2, 2022

# ANURADHA ANUMOLU

has successfully completed

Fine Tune BERT for Text Classification with  
TensorFlow

an online non-credit project authorized by Coursera Project Network and offered through  
Coursera



Susanna Kelkar  
Instructor  
Machine Learning and Data Science

PRINCIPAL  
JVR & Dr. HS MIC College of Technology  
Kanchikere, N.T.R. Dr.  
Andhra Pradesh, India - Pin: 521180  
Verify at  
<https://coursera.org/verify/8ZDWP5JWNGE>

Coursera has confirmed the identity of the individual in their  
participation in the project

PROJECT  
CERTIFICATE



Dec 3, 2022

**VIJAYA RAMINENI**

has successfully completed

**Introduction to Data Analysis using Microsoft  
Excel**

an online non-credit project authorized by Coursera Project Network and offered through  
Coursera



**Paula Del Rey**

Paula Del Rey  
Subject Matter Expert  
Freelance Learning Group

 PRCPL  
PRCPL of Technology  
DVR & Dr. HS MJC College of Technology  
Kanchikacherla, N.T.R. Dist.  
Andhra Pradesh, India - Pin: 521180

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<https://coursera.org/verify/ZEBGV9S1SMX>  
Coursera has confirmed the identity of this individual and that  
participated in the project.

PROJECT  
CERTIFICATE



Dec 2, 2022

VIJAYA RAMINENI

has successfully completed

Getting Started in Google Analytics

an online non-credit project authorized by Coursera Project Network and offered through  
Coursera



*Coursera Project Network*

Coursera Project Network  
Project Network Leader  
Project Leader in Group

PRINCIPAL  
DVR & Dr. HS MJC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 5211180

Verify at:  
<https://www.coursera.org/share/7555695>

Coursera has confirmed the identity of the project network participant in the project.

# PROJECT CERTIFICATE



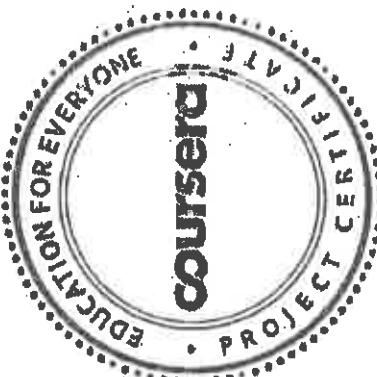
Dec 2, 2022

## MOUNIKA SAMUDRAPU

has successfully completed

Fine Tune BERT for Text Classification with  
TensorFlow

an online non-credit project authorized by Coursera Project Network and offered through  
Coursera



A handwritten signature in black ink, appearing to read "Sudham Kohli".

Sudham Kohli  
Instructor  
Machine Learning and Data Science

PRINCIPAL  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180

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<https://coursera.org/verify/RAU57SEV8L>  
Coursera has confirmed the identity of this individual and that  
participated in the project

PROJECT  
CERTIFICATE



Dec 2, 2022

# MOUNIKA SAMUDRAPU

has successfully completed

## Getting Started in Google Analytics

an online non-credit project authorized by Coursera Project Network and offered through  
Coursera



*Carna Bangeman*

Carna Bangeman  
Subject Matter Expert  
FreedomLeavingGroup

  
PRINCIPAL  
DVR & Dr. HS MIC College of Technology,  
Kanchikachetla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521160

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<https://coursera.org/verify/M3UEQRNKS1>

Coursera has confirmed the identity of this individual and their participation in the project.

PROJECT  
CERTIFICATE



Dec 3, 2022

# MOUNIKA SAMUDRAPU

has successfully completed

## Tweet Emotion Recognition with TensorFlow

an online non-credit project authorized by Coursera Project Network and offered through  
Coursera



A handwritten signature in black ink that appears to read "Avni Patel".

Avni Patel  
Instructor  
Machine Learning and Deep Learning

A handwritten signature in black ink that appears to read "Dr. H.S. Patil".  
PALINGI PATEL  
Pimpri Chinchwad  
MC College of Technology  
J.W.R & Dr. H.S. Patil College of Engineering  
Karadikachera, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180

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<https://coursera.org/verify/2AZ2ARCY5W>  
Coursera has confirmed the identity of this individual and that  
participation in the project

PROJECT  
CERTIFICATE



Dec 1, 2022

VIJAYA RAMINENI

has successfully completed

Introduction to Microsoft Excel

an online project authorized by Coursera Project Network and offered through  
Coursera



A handwritten signature in black ink that appears to read "Vijaya Ramineni".

Sunita Sagar  
Sugari Sagar Project  
Freelance Learning Group

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DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180  
<https://coursera.org/cert/7122135533>

Digitized by srujanika@gmail.com  
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Certificate No Pan\_PAT\_JFSMC2.0\_1593

**SKILL AP  
APSSDC**

**Pantech e Learning**  
DIGITAL LEARNING & TRAINING

**PANTECH** SOLUTIONS

# **CERTIFICATE OF PARTICIPATION**

NAME **Mrs.VIJAYA RAMINENI**

COLLEGE **DVR & DR HS MIC COLLEGE OF TECHNOLOGY**

has Successfully Completed  
**30 Days Java Fullstack 2.0 Masterclass**

at Pantech e Learning Pvt Ltd, Chennai

From **10.12.2022** To **10.01.2023**

**K. S. S. N.**

**M. Malaiyappan**  
Director  
Pantech e Learning

**Dr.Ravi Gujrala**  
Chief General Manager (Technical)  
APSSDC

**PRINCIPAL**  
PRINCIPAL  
College of Technology  
PRINCIPAL  
College of Technology  
DVR & Dr. HS MIC College, N.T.R. Dr.  
Kanchikacherla, India - Pin: 521180  
Andhra Pradesh.



# CERTIFICATE OF COMPLETION

Presented to

**Kasaragadda Mahanthi**

For successfully completing a free online course  
Blockchain Basics

Provided by

**Great Learning Academy**  
(On April 2023)



PRINCIPAL  
DVR & Dr. HS MJC College of Technology  
Kanchikacherla, N.T.R. Dist.  
Andhra Pradesh, India - Pin: 521180

FOR SATISFACTORY COMPLETION OF COURSE FINAL EXAM  
17th October 2022  
Mounika Sekhar  
PRESENTED TO  
Artificial Intelligence with Machine Learning

AWARD of FINAL EXAM COMPLETION

ORACLE  
Academy



PROJECT  
CERTIFICATE



Dec 2, 2022

Vijaya Ramineni

has successfully completed

Regular Expressions in Python

an online non-credit project authorized by Coursera Project Network and offered through  
Coursera



A handwritten signature in black ink, appearing to read "Venkatesh Sengar".

Venkatesh Sengar  
Data Scientist

PRINCIPAL  
DVR & Dr. HS MIC College of Technology  
Kanchikachhera, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180

Verify at:  
<https://coursera.org/verify/858E1TBACU>  
Coursera has confirmed the identity of the individual and the  
participation in the project.

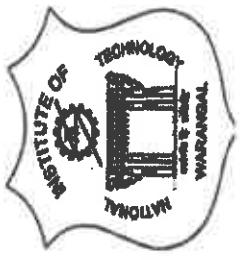
# Centre for Continuing Education

## NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL



3

**Seshadri Rao Gudlavalleru Engineering  
College, Gudlavalleru.  
Participation Certificate**



This is to certify that Dr./Mr./Ms. G.SAI CHAITANYA KUMAR from DVR & Dr.HS MJC College of Technology has attended online Faculty Development Program on “Deep Learning for Real Time Research Applications” conducted by Dept. of Computer Science & Engineering, Seshadri Rao Gudlavalleru Engineering College in association with CCE, NITW from 03-01-2022 to 07-01-2022.

**B. B. Chandra.** **G. Sudar-**  
**Dr. B. B. Chandra** **Dagadu**  
**Coordinator, SRTC** **Coordinator, SRTC**

*P. Reddy* *P. Reddy*  
Dr. P. Reddy *Course Coordinator & Head of Department*

**JVR & Dr. HS** **PILOT PAL**  
**MIC College of Technology**  
**Kanchipuram, N.T.R. Dt.**  
**Andhra Pradesh, India - Pin: 521180**

*Rej*  
Dr. Badi Bhatia  
Course Coordinator &  
Head of Department  
Prof. P. Radha Raja  
Department of  
Physics  
Andhra Pradesh, India - 521180  
V. V.  
V. V.

*Re:* **Dr. Biju Bhataya** **Prof. P. Sudha Krishnan** **Deputy Director**  
**Course Coordinator & Head of Department** **Dr. N.V. Nambiar Rao**  
**PGI** **PGI** **PGI** **PGI**  
**Chandigarh, India - Pin: 162018**

# VEEMU INSTITUTE OF TECHNOLOGY



Accredited by NAAC & NBA (CSE, ECE & EEE)  
P.Kothakota, Tirupati - Chittoor Highway, Chittoor Dist., A.P - 517 112

## CERTIFICATE OF PARTICIPATION

This is to certify that Dr./Mr./Ms./Mrs. Puli. Lohitha, Assistant professor, DVR & Dr HS MIC College of Technology has participated in a 5 Day National Level Online Faculty Development Program on "Condition Assessment of Railway Bridges" organized by the Department of Mechanical Engineering, Vemu Institute of Technology, held from 6<sup>th</sup> to 10<sup>th</sup> September 2022.

  
Dr. Naveen Kilari  
Principal  
P.V.R & Dr. HS MIC College of Technology  
Kanchikachhera, N.T.B. Ct.  
Andhra Pradesh, India - Pin - 517 112

  
Dr. KVNN Rao,  
Convenor - FDP  
HoD - M.E

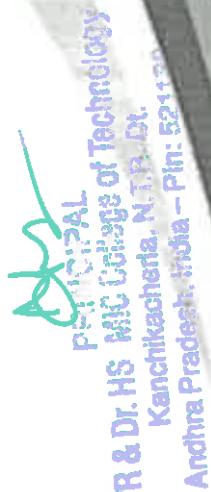
# VIEWU INSTITUTE OF TECHNOLOGY



Accredited by NAAC & NBA (CSE, ECE & EEE)  
P.Kothakota, Tirupati - Chittoor Highway, Chittoor Dist., A.P - 517 112

## CERTIFICATE OF PARTICIPATION

This is to certify that Dr./Mr./Ms./Mrs. V. Venkatesh, Assistant professor, DVR & Dr HS MIC College of Technology has participated in a 5 Day National Level Online Faculty Development Program on "Condition Assessment of Railway Bridges" organized by the Department of Mechanical Engineering, Vemu Institute of Technology, held from 6<sup>th</sup> to 10<sup>th</sup> September 2022.



Dr. Naveen Killari  
Principal

Dr. KVNN Rao,  
Convenor - FDP  
HoD - M.E



# VIEWU INSTITUTE OF TECHNOLOGY

Accredited by NAAC & NBA (CSE, ECE & EEE)

P.Kothakota, Tirupati - Chittoor Highway, Chittoor Dist., A.P - 517 112

## CERTIFICATE OF PARTICIPATION

This is to certify that Dr./Mr./Ms. A.V.V.Sai Ram, Assistant professor, DVR & Dr HS MIC College of Technology has participated in a 5 Day National Level Online Faculty Development Program on "Condition Assessment of Railway Bridges" organized by the Department of Mechanical Engineering, Vemu Institute of Technology, held from 6<sup>th</sup> to 10<sup>th</sup> September 2022.

*[Signature]*

*[Signature]*

**Dr. KVNVN Rao,**  
**Convenor - FDP**  
**HoD - M.E**

**Dr. Naveen Kilarri**  
**Principal**

*[Signature]*  
JVR & Dr. HS MIC College of Technology  
Kanchikasenai, N.T.R.D.  
Andhra Pradesh, India



# VEEMU INSTITUTE OF TECHNOLOGY

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## CERTIFICATE OF PARTICIPATION

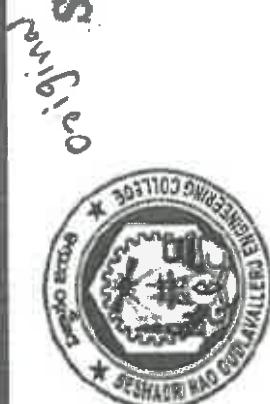
This is to certify that Dr./Mr./Ms./Mrs. S.V. Tejas Kumar, Assistant professor, DVR & Dr HS MIC College of Technology has participated in a 5 Day National Level Online Faculty Development Program on "Condition Assessment of Railway Bridges" organized by the Department of Mechanical Engineering, Vemu Institute of Technology, held from 6<sup>st</sup> to 10<sup>th</sup> September 2022.

*Naveen Rao*  
Dr. Naveen Rao

*Dr. KVNNVN Rao*  
Dr. KVNNVN Rao,  
Convenor - FDP  
HoD - M.E

  
PRIN. COL. OF TECHNOLOGY  
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P.R. & Dr. HS MIC College of Technology  
Kanchikacherla, N. T. P. O.  
Andhra Pradesh, India - Pin: 521180

*Dr. Naveen Kilar*  
Dr. Naveen Kilar  
Principal



# SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institution with Permanent Affiliation to JNTUK, Kakinada)  
Seshadri Rao Knowledge Village, Gudlavalleru-521355, Krishna District, Andhra Pradesh

## DEPARTMENT OF MECHANICAL ENGINEERING

*One Week Virtual Faculty Development Program*

on

**"EMERGING TRENDS IN MECHANICAL ENGINEERING"**

**20<sup>th</sup> – 25<sup>th</sup> June, 2022**

### CERTIFICATE OF PARTICIPATION

This is to certify that

**KOPPULA SUPRIYA, Assistant Professor** of  
DVR & Dr HS MIC College of Technology, Kanchikacherla  
in **One Week Virtual Faculty Development Program on "EMERGING TRENDS IN MECHANICAL  
ENGINEERING"** organized by the Department of Mechanical Engineering, Seshadri Rao Gudlavalleru  
Engineering College, Gudlavalleru during 20<sup>th</sup> – 25<sup>th</sup> June, 2022.

**Dr. J. A. Ranga Babu**

Co-Ordinator

**Dr. A. Jawahar Babu**

Head of Department, Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180.

**Dr. G. V. S. N. R. V. Prasad**

UVR & Dr. HS MIC College of Technology  
Head of Department, Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180.

**LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING**  
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I.B.Reddy Nagar, Mylavaram, Andhra Pradesh 521230

**Certificate of Participation**

This is to Certify that

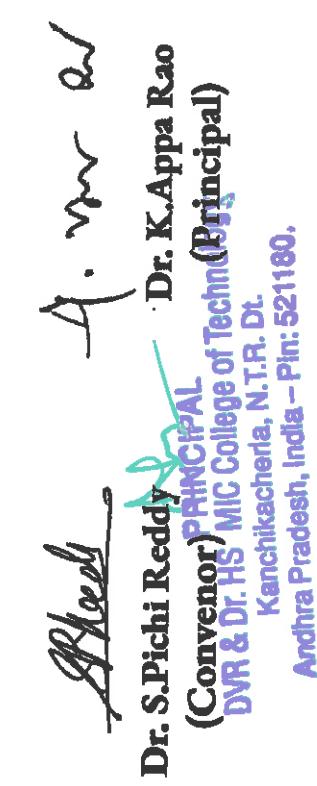
**KOPPULA SUPRIYA**

**ASSISTANT PROFESSOR, DVR & DR. HS MIC COLLEGE OF TECHNOLOGY, KANCHIKACHARLA**

has actively participated in the One Week Online FDP on “Advancements in Thermal and Renewable Energy Technologies (ATRET-2022)” organized by the Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna (Dt.), Andhra Pradesh, India organized from 04/07/2022 to 09/07/2022.

Organized by  
Department of  
Mechanical Engineering  
LBRCE

  
**Dr. P. Vijay Kumar**  
(Co-ordinator)

  
**Dr. K. Appa Rao**  
(Principal)  
**DVR & DR. HS MIC COLLEGE OF TECHNOLOGY**  
Kanchikacharla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521160.



## ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY

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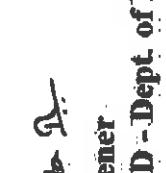
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VIJAYAWADA - 520003

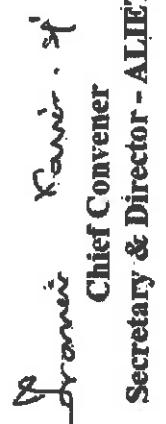
## CERTIFICATE OF PARTICIPATION

*This is to certify that  
Mr. Nelakuditi Naresh Babu, Assistant Professor, DVR & Dr.HS MIC College Of Technology  
has participated in the 5 Day Faculty Development Program on  
“PROGRESSIVE TRENDS IN MECHANICAL ENGINEERING”*

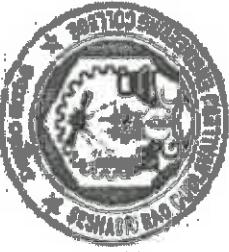
*from 28<sup>th</sup> March to 1<sup>st</sup> April, 2022 organized by Department of Mechanical Engineering,  
Andhra Loyola Institute of Engineering & Technology, Vijayawada.*

  
Mr. Qasim R.  
Convenor  
Assoc. Prof & HOD - Dept. of M.E.

  
A.  
Chairman  
Principal - ALLET

  
Dr. K. Srinivas  
Chief Convenor  
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PRINCIPAL  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180



# SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institution with Permanent Affiliation to JNTUK, Kakinada)  
Seshadri Rao Knowledge Village, Gudlavalleru-521366, Krishna District, Andhra Pradesh

## DEPARTMENT OF MECHANICAL ENGINEERING

*One Week Virtual Faculty Development Program*

on

**“EMERGING TRENDS IN MECHANICAL ENGINEERING”**

**20<sup>th</sup> – 25<sup>th</sup> June, 2022**

### **CERTIFICATE OF PARTICIPATION**

This is to certify that

**DVR & Dr HS MIC College of Technology, Kanchikacherla**  
in **One Week Virtual Faculty Development Program on “EMERGING TRENDS IN MECHANICAL ENGINEERING”** organized by the **Department of Mechanical Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru during 20<sup>th</sup> – 25<sup>th</sup> June, 2022.**

**NELAKUDITI NARESH BABU, Assistant Professor** of

**has participated**  
**in “EMERGING TRENDS IN MECHANICAL ENGINEERING” organized by the Department of Mechanical Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru during 20<sup>th</sup> – 25<sup>th</sup> June, 2022.**

**Dr. J. A. Ranga Babu**

**Co-Ordinator**

**Dr. A. Jawahar Babu**

**Head of Department**

**Dr. G. V. S. N. R. V. Prasad**

**Principal**



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An ISO 9000:2015 Certified Institution, Accredited by NBA  
VIJAYAWADA - 520008

## CERTIFICATE OF PARTICIPATION

*This is to certify that  
Mr. A. Naga Pavan Kumar, Assistant Professor, DVR & Dr.HS MIC College Of Technology  
has participated in the 5 Day Faculty Development Program on  
"PROGRESSIVE TRENDS IN MECHANICAL ENGINEERING"*

*from 28<sup>th</sup> March to 1<sup>st</sup> April, 2022 organized by Department of Mechanical Engineering,*

*Andhra Loyola Institute of Engineering & Technology, Vijayawada.*

  
Mr. Gopal R.  
Convener  
Assoc. Prof & HOD - Dept of M.E

  
Mr. A. Naga Pavan Kumar  
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Dr. S. Ravinder  
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VIJAYAWADA - 520008

## CERTIFICATE OF PARTICIPATION

*This is to certify that*  
Mr. CH. Siva Naga Satish, Assistant Professor, DVR & Dr. HS MIC College Of Technology  
*has participated in the 5 Day Faculty Development Program on*  
“PROGRESSIVE TRENDS IN MECHANICAL ENGINEERING”  
*from 28<sup>th</sup> March to 1<sup>st</sup> April, 2022 organized by Department of Mechanical Engineering,*  
*Andhra Loyola Institute of Engineering & Technology, Vijayawada.*

  
Mr. Siva Naga Satish  
Convener  
Assoc. Prof & HOD - Dept. of M.E

  
Mr. A. R. Venkateswaran  
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Mr. K. Venkateswaran  
Secretary & Director - ALIET

  
Mr. K. Venkateswaran  
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DVR & Dr. HS MIC College of Technology  
Kanchikachela, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180

# SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institution with Permanent Affiliation to JNTUK, Kakinada)  
Seshadri Rao Knowledge Village, Gudlavalluru-523356, Krishna District, Andhra Pradesh

## DEPARTMENT OF MECHANICAL ENGINEERING

*One Week Virtual Faculty Development Program*

on

**"EMERGING TRENDS IN MECHANICAL ENGINEERING"**

**20<sup>th</sup> – 25<sup>th</sup> June, 2022**

### **CERTIFICATE OF PARTICIPATION**

This is to certify that

**Dr. D. V. SIVA REDDY, Associate Professor** of  
**DVR & Dr HS MIC College of Technology, Kanchikacherla**  
in **One Week Virtual Faculty Development Program on "EMERGING TRENDS IN MECHANICAL**  
**ENGINEERING"** organized by the **Department of Mechanical Engineering, Seshadri Rao Gudlavalluru**  
**Engineering College, Gudlavalluru during 20<sup>th</sup> – 25<sup>th</sup> June, 2022.**

*A. J. A. Ranga Babu*

**Dr. J. A. Ranga Babu**  
Co-ordinator

*A. J. A. Ranga Babu*

**Dr. A. Jawahar Babu**  
Head of Department

*A. J. A. Ranga Babu*

**Dr. G. V. S. N. R. V. Prasad**  
Dr. A. Jawahar Babu  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dr.  
Andhra Pradesh, India – Pnr: 523356  
Principal





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VIJAYAWADA - 520008

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*This is to certify that  
Dr. D. V. Siva Reddy, Associate Professor, DVR & Dr.HS MIC College Of Technology  
has participated in the 5 Day Faculty Development Program on  
"PROGRESSIVE TRENDS IN MECHANICAL ENGINEERING"*

*from 28<sup>th</sup> March to 1<sup>st</sup> April, 2022 organized by Department of Mechanical Engineering,  
Andhra Loyola Institute of Engineering & Technology, Vijayawada.*

*M. Gade R.  
Convener  
Assoc. Prof & HOD - Dept. of M.E*

*A. L. A.  
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*J. S. Ravinder  
Chief Convener  
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*PRINDA  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180*

*Andhra Pradesh, India - Pin: 521180*

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## DEPARTMENT OF MECHANICAL ENGINEERING

*One Week Virtual Faculty Development Program*

on

**“EMERGING TRENDS IN MECHANICAL ENGINEERING”**

**20<sup>th</sup> – 25<sup>th</sup> June, 2022**

### **CERTIFICATE OF PARTICIPATION**

This is to certify that

**K. MADHURI, Assistant Professor** of  
**DVR & Dr HS MIC College of Technology, Kanchikacherla** has participated  
in **One Week Virtual Faculty Development Program on “EMERGING TRENDS IN MECHANICAL**  
**ENGINEERING” organized by the Department of Mechanical Engineering, Seshadri Rao Gudlavalleru**  
**Engineering College, Gudlavalleru during 20<sup>th</sup> – 25<sup>th</sup> June, 2022.**

*A. J. Babu*

**Dr. J. A. Ranga Babu**  
**Co-ordinator**

*A. J. Babu*

**Dr. A. Jawahar Babu**  
**Head of Department**

  
**Dr. G. V. S. N. R. V. Prasad**  
**PRINCIPAL**  
**MIC College of Technology**  
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## Certificate of Participation

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### **KOPPULA SUPRIYA**

**ASSISTANT PROFESSOR, DVR & DR. HS MIC COLLEGE OF TECHNOLOGY, KANCHIKACHARLA**

has actively participated in the One Week Online FDP on "Advancements in Thermal and Renewable Energy Technologies (ATRET-2022)" organized by the Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna (Dt.), Andhra Pradesh, India organized from 04/07/2022 to 09/07/2022.

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Department of  
Mechanical Engineering  
LBRCE

  
**Dr. P. Vijay Kumar**  
(Co-ordinator)

  
**Dr. S. Pichika Reddy**  
(Convener)  
DVR & Dr. HS MIC College of Technology

  
**Dr. K. Appa Rao**  
PRINCIPAL  
(Principal)  
Kanchikachherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180.

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## DEPARTMENT OF MECHANICAL ENGINEERING

*One Week Virtual Faculty Development Program*

on

**“EMERGING TRENDS IN MECHANICAL ENGINEERING”**

**20<sup>th</sup> – 25<sup>th</sup> June, 2022**

### **CERTIFICATE OF PARTICIPATION**

This is to certify that

**N. NARESH BABU, Assistant Professor** of  
**DVR & Dr HS MIC College of Technology, Kanchikacherla**  
in **One Week Virtual Faculty Development Program on “EMERGING TRENDS IN MECHANICAL**  
**ENGINEERING” organized by the Department of Mechanical Engineering, Seshadri Rao Gudiyalluru**  
**Engineering College, Gudiyalluru during 20<sup>th</sup> – 25<sup>th</sup> June, 2022.**

*A. A. Ranga Babu*

**Dr. J. A. Ranga Babu**  
**Co-ordinator**

*A. Jawahar Babu*

**Dr. A. Jawahar Babu**  
**Head of Department**

*Dr. G. V. S. N. R. V. Prasad*  
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# VEMU INSTITUTE OF TECHNOLOGY

## CERTIFICATE OF PARTICIPATION

This is to certify that Dr./Mr./Ms./Mrs. Koppula Supriya, Assistant Professor, DVR & Dr HS MIC College of Technology has participated in a 5 Day National Level Online Faculty Development Program on “3D Printing Technologies” organized by the Department of Mechanical Engineering, Vemu Institute of Technology, held from 6<sup>th</sup> to 10<sup>th</sup> September 2022.

Dr. Naveen Kilari

Dr. KVNVN Rao,  
Convener - FDP  
HoD - M.E

PRINCIPAL  
DVR & Dr HS MIC COLLEGE OF TECHNOLOGY  
Kanipetla, Nalgonda - 506 002

&



V R Siddhartha Engineering College, Vijayawada

DEPARTMENTS OF MECHANICAL ENGINEERING

*Certificate of Participation*

This is to certify that Koppula Supriya, Assistant Professor of Mechanical Engineering Department, DVR & Dr HS MIC College of Technology has participated in one week FDP on "HYBRID ELECTRIC VEHICLES" Jointly organized by the Departments of Mechanical Engineering of GMR Institute of Technology, Rajam and Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada during 21<sup>st</sup> -25<sup>th</sup> November 2022.

  
Dr. A. Avinash  
Convenor

  
Dr. S. Srinivas Prasad  
Convenor

  
Dr. V. Rambabu  
Professor & Head  
PRINCIPAL

  
Dr. N. Vijaya Sai  
Professor & Head  
DVR GMRIT MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - 521180





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 Nambur (V), Pedakakani (M), Guntur (Dt.), Andhra Pradesh - 522 508, [www.vvitguntur.com](http://www.vvitguntur.com)

# *Certificate of Participation*

*This is to certify that*

of

**DVR & Dr.HS MIC COLLEGE OF TECHNOLOGY**

*has participated in a one week faculty development program on "Innovations in Mechanical Engineering" during 26-12-2022 to 30-12-2022, through online mode, organized by the Department of Mechanical Engineering, Vasireddy Venkataadri Institute of Technology, Nambur.*

*Dr. T. Srinivasa Rao* *Dr. K. Satyanareyana* *Dr. V. Mallikarjuna Reddy*  
*Coordinator* *Convenor & HoD-ME* *Principal*



# VEMU INSTITUTE OF TECHNOLOGY

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## CERTIFICATE OF PARTICIPATION

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*Naveen Kilari*



PRINCIPAL  
JVR & Dr.HS MIC College of Technology,  
Kanchikacharla, Nellore Dist.,  
Andhra Pradesh, India: 524188

Dr. KVNN Rao,  
Convener - FDP  
HoD - M.E



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L.B.Reddy Nagar, Mylavaram, Andhra Pradesh 521230

## Certificate of Participation

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**NELAKUDITI NARESH BABU**

**ASST. PROFESSOR, DVR & DR. HS MIC COLLEGE OF TECHNOLOGY, KANCHIKACHARLA**

has actively participated in the One Week Online FDP on “Advancements in Thermal and Renewable Energy Technologies (ATRET-2022)” organized by the Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna (Dt.), Andhra Pradesh, India organized from 04/07/2022 to 09/07/2022.

Organized by  
Department of  
Mechanical Engineering  
LBREE

  
Dr. P. Vijay Kumar  
(Co-ordinator)

  
Dr. S. Pichi Reddy  
(Convenor)

  
Dr. K. Appa Rao  
(Principal)

PRINCIPAL  
JVR & DR. HS MIC College of Technology  
Kanchikacherla, N.T.R. DR.  
Andhra Pradesh, India – Pin: 521180



## ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

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

### AICTE Training and Learning (ATAL) Academy

#### *Certificate*

This is certified that NELAKUDITI NARESH BABU, Assistant Professor of DVR & Dr.HS MIC COLLEGE OF TECHNOLOGY participated & completed successfully AICTE Training And Learning (ATAL) Academy Blended/Hybrid FDP on "Applications of IoT in Mechanical Engineering" from 2022-11-14-2022-11-19 to 2022-11-21-2022-11-25 at PRASAD V POTURI SIDDHARTHA INSTITUTE OF TECHNOLOGY

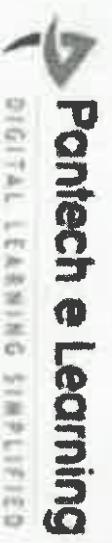
Advisor-I, ATAL Academy  
Mama Rani Agarwal



PRINCIPAL  
Coordinator  
DVR & Dr. HS MIC College of Technology  
Kanchikachela, N.T.R. DR.  
Andhra Pradesh India - Pin: 521180



Certificate No PEL-APSSDC-DSA2.0\_PAT-1678



**SKILL AP  
APSSDC**

## C E R T I F I C A T E O F P A R T I C I P A T I O N

NAME **Mr.NELAKUDITI NARESH BABU**

COLLEGE **DVR & DRHS MIC COLLEGE OF TECHNOLOGY**

has Successfully Completed  
30 Days DataScience2.0 Master Class

at Pantech e Learning Pvt Ltd, Chennai

From 20.09.2022 To 21.10.2022

M.Malaiyappan  
Director  
Pantech e Learning

Dr. P. Vaigai Gupta  
(Head General Manager (Technical))

PRINCIPAL

DVR & Dr HS MIC College of Technology  
Kanchipuram, N.T.R. Dr.  
Andhra Pradesh, India -Pin: 521100

&



**V R Siddhartha Engineering College, Vijayawada  
DEPARTMENTS OF MECHANICAL ENGINEERING**

*Certificate of Participation*

This is to certify that **NELAKUDITI NARESH BABU, ASSISTANT PROFESSOR** of **MECHANICAL ENGINEERING**, **DVR & Dr.HS MIC COLLEGE OF TECHNOLOGY** has participated in one week FDP on "HYBRID ELECTRIC VEHICLES" jointly organized by the Departments of Mechanical Engineering of GMR Institute of Technology, Rajam and Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada during 21<sup>st</sup> -25<sup>th</sup> November 2022.

*Dr. A. Avinash*  
Dr. A. Avinash  
Convenor  
GMRIT

*Dr. S. Srinivas Prasad*  
Dr. S. Srinivas Prasad  
Convenor  
VRSEC

*Dr. V. Rambabu*  
Dr. V. Rambabu  
Professor & Head  
GMRIT

*Dr. N. Vijaya Sai*  
Dr. N. Vijaya Sai  
Professor & Head  
VRSEC

*Dr. H. S. MIC College of Technology*  
Dr. H. S. MIC College of Technology  
Kanchikacherla, A.P.R.D.  
Andhra Pradesh, India

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VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY  
(An Autonomous Institution)

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NAAC Accredited with 'A' Grade, ISO 9001:2008 Certified  
Nambur (V), Pedakakani (M), Guntur (Dt), Andhra Pradesh - 522 508, [www.vvitguntur.com](http://www.vvitguntur.com)

# Certificate of Participation

*This is to certify that*

**NELAKUDITI NARESH BABU**

of

**DVR & Dr.HS MIC COLLEGE OF TECHNOLOGY**

*has participated in a one week faculty development program on "Innovations in Mechanical Engineering" during 26-12-2022 to 30-12-2022, through online mode, organized by the Department of Mechanical Engineering, Vasireddy Venkataadri Institute of Technology, Nambur.*

*Dr. T. Srinivasa Rao      Dr. K. Satyanarayana      Dr. K. Mallikarjuna Reddy*  
Coordinator      Convener & HoD-ME      Principal

*Principals*  
DVR & Dr.HS MIC College of Technology

*Nambur, Guntur, India – Pin: 522180*



**ORIENTAL INSTITUTE OF SCIENCE & TECHNOLOGY, BHOPAL**  
Approved by AICTE, New Delhi & Govt. of M.P., Affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal  
Oriental Campus, Opp. Patel Nagar, Raisen Road, Bhopal-462022 (M.P.) INDIA  
Website: [www.oriental.ac.in](http://www.oriental.ac.in)

## C E R T I F I C A T E

In collaboration with RGPV Bhopal - National Level Research Scholar Meet on  
“Innovations and Recent Advancement on Renewable & Sustainable Technologies”

28<sup>th</sup> - 29<sup>th</sup> July 2022

This certificate is Awarded to

**NELAKUDITI NARESH BABU**

(Assistant Professor)

**DVR & Dr.HS MIC COLLEGE OF TECHNOLOGY**

as an Attendee of Two days National Level Research Scholar Meet organized at

Department of Electrical & Electronics Engineering of Oriental Institute of Science & Technology Bhopal

*Signature*

Dr. Manju Gupta  
Dean & Asso. Prof. Dept. of EE, OIST

Dr. Sushma Gupta  
Prof. Dept. of EE, MANT Bhopal

Dr. Rajesh K. Shukla  
Director, OIST

Dr. S.C. Chhabra  
Dean & Prof. Dept. of EE, RGPV, Bhopal

*Signature*

DVR & Dr. HS MIC College of Technology  
Kanchikachha, N.T.R. Dt.  
Andhra Pradesh, India - Ph: 521160.



Certificate No PEL\_APY\_PAT\_1541

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Technology Beyond The Dreams

  
**SkillAP**  
**A P S S D C**

# C E R T I F I C A T E O F P A R T I C I P A T I O N

NAME **Mr.NELAKUDITI NARESH BABU**

COLLEGE **DVR & DR. HS MIC COLLEGE OF TECHNOLOGY**

has Successfully Completed

**30 Days Masterclass on Advanced Python Programming**

at **Pantech e Learning Pvt Ltd, Chennai**

**From 27.10.2022 To 27.11.2022**

  
Mr. N. Lakuditi Naresh Babu  
Director  
Pantech e Learning

  
Dr. Ravi Gaikwad  
(Chief General Manager (Technical))  
Pantech e Learning

  
PRINCIPAL  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dist.  
Andhra Pradesh, India - Pin: 521180



શાન્તિ પ્રકારાંતો વાતુ

## CERTIFICATE OF PARTICIPATION

This is to certify that

**NELAKUDITI NARESH BABU**

**DVR & Dr.HS MIC COLLEGE OF TECHNOLOGY, KANCHIKACHERLA**

has actively participated in online Faculty Development Program

on

### Research Insight for Beginners

on 24<sup>th</sup> September 2022

Organized by the Research Cell, Indus University, Ahmedabad

  
Dr. Sweta Shah  
Assistant Dean R&D  
Convenor

  
Dr. Sujoy Chaudhary  
Dean, R&D  
Chairperson



# CERTIFICATE OF PARTICIPATION

This is to certify that

**N. NARESH BABU**

of DVR & Dr.HS MIC COLLEGE OF TECHNOLOGY has actively participated  
in the Five Day Online Faculty Development Program on

## "Thermal Science and Materials Engineering"

Organized by the Department of Mechanical Engineering,

Srinivasa Ramanujan Institute of Technology, Ananthapuramu from 07 - 11 November 2022.



**Dr. S. Sharmas Valli**  
Program coordinator



**Mr. C. Jayapal Reddy**  
Co-Patron



**Dr. G. Balakrishna**  
Patron

# CERTIFICATE OF PARTICIPATION

This is to certify that

**A. NAGA PAVAN KUMAR**

of DVR & Dr.HS MIC COLLEGE OF TECHNOLOGY has actively participated  
in the Five Day Online Faculty Development Program on

## "Thermal Science and Materials Engineering"

Organized by the Department of Mechanical Engineering,

Srinivasa Ramanujan Institute of Technology, Ananthapuramu from 07 - 11 November 2022.



**Dr. S. Sharma**

**Vali**  
Program coordinator



**Mr. C. Jayapal Reddy**

**Co-Patron**



**Dr. G. Balakrishna**

**PRINCIPAL Patron**

**DVR & Dr. HS MIC College of Technology**  
Kanchikacherla, N.T.R. Dr.  
Andhra Pradesh, India - Pin: 521180



# CERTIFICATE OF PARTICIPATION

This is to certify that

**CH. S. R. T. PHANI SAI**

of DVR & Dr.HS MIC COLLEGE OF TECHNOLOGY has actively participated  
in the Five Day Online Faculty Development Program on

## "Thermal Science and Materials Engineering"

Organized by the Department of Mechanical Engineering,

Srinivasa Ramanujan Institute of Technology, Ananthapuramu from 07 - 11 November 2022.

*S. Sharma Vali*

*C. Jayapal Reddy*

*A. Bhaskar*

**Dr. S. Sharma Vali**  
Program coordinator

**Mr. C. Jayapal Reddy**  
Co-Patron

**Dr. G. Balakrishna**  
PRINCIPAL, PATRON

DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dist.  
Andhra Pradesh, India - Pin - 521180



## C E R T I F I C A T E

collaboration with RGPV Bhopal - National Level Research Scholar Meet  
tions and Recent Advancement on Renewable & Sustainable Techri  
28<sup>th</sup> - 29<sup>th</sup> July 2022

This certificate is Awarded to

**Dr. D. V. SIVA REDDY**

(Associate Professor)

**DVR & Dr. H.S MIC COLLEGE OF TECHNOLOGY**

as an Attendee of Two days National Level Research Scholar Meet organized at  
ment of Electrical & Electronics Engineering of Oriental Institute of Science & Technology



Dr. Sushma Gupta

u Gupta  
Dept. of EE, OIST



Dr. Rojish K. Shukla  
Director, OIST

PRINCIPAL

  
Dr. S. G. Kanekar  
Kanekar, M.Tech  
Andhra Pradesh, India - Pin: 523160

Prof. Dept. of EE, MAST Bhopal

  
Dr. S. G. Kanekar  
Kanekar, M.Tech  
Andhra Pradesh, India - Pin: 523160

# LAKIREDDY BALIREDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC & NBA (CSE,IT, EEE,ECE & ME)

Approved by AICTE, New Delhi & Affiliated by JNTUK, Kakinada

L.B.Reddy Nagar, Mylavaram, Andhra Pradesh 521230



## Certificate of Participation

This is to Certify that

Dr. D. V. SIVA REDDY

ASSOC. PROFESSOR, DVR & DR. HS MIC COLLEGE OF TECHNOLOGY, KANCHIKACHARLA

has actively participated in the One Week Online FDP on "Advancements in Thermal and Renewable Energy Technologies (ATRET-2022)" organized by the Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna (Dt.), Andhra Pradesh, India organized from 04/07/2022 to 09/07/2022.

Organized by  
Department of  
Mechanical Engineering  
LBRCE

Dr.P.Vijay Kumar

(Co-ordinator)

Dr. S. Pichi Reddy

(Convenor)

Dr. K. Appa Rao  
PRINCIPAL  
(Principal)

DVR & Dr. HS MIC College of Technology  
Kanchikacherra, N.T.R. Dt.  
-n India - Pin - 521180

## C E R T I F I C A T E

collaboration with RGPV Bhopal - National Level Research Scholar Meet  
ions and Recent Advancement on Renewable & Sustainable Tech  
28<sup>th</sup> - 29<sup>th</sup> July 2022

This certificate is Awarded to

**Dr. G. RAJESH**

(Professor)

**DVR & Dr.HS MIC COLLEGE OF TECHNOLOGY**

as an Attendee of Two days National Level Research Scholar Meet organized at  
ment of Electrical & Electronics Engineering of Oriental Institute of Science & Technology



  
Dr. Sushma Gupta  
PRINCIPAL

Dr. H.S. MIC College of Technology

  
Dr. Rajesh K. Shukla  
Kanchikacherla, N.T.R. Dt.

Dr. H.S. MIC College of Technology

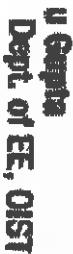
Dr. S.C. !

Director, OIST

Andhra Pradesh, India - Pin: 511199

Dr. S.C. !

Dean & Prof. Dact. c

  
Dr. Sushma Gupta  
Dept. of EE, OIST

  
Dr. Sushma Gupta  
Prof. Dept. of EE, MAIT Bhopal



## CERTIFICATE OF PARTICIPATION

This is to certify that

**K. MADHURI**

**DVR & Dr.HS MIC COLLEGE OF TECHNOLOGY, KANCHIKACHERLA**  
has actively participated in online Faculty Development Program

on

### Research Insight for Beginners

on 24<sup>th</sup> September 2022

Organized by the Research Cell, Indus University, Ahmedabad



**Dr. Sweta Shah**  
Assistant Dean R&D  
Convener

  
**Dr. Sujoy Chaudhary**  
Dean R&D

  
**PRINCIPAL**  
**DVR & Dr. HS MIC College of Technology**  
Chairperson  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180

## CERTIFICATE OF PARTICIPATION

This is to certify that

K. SIRISHA

DVR & Dr.HS MIC COLLEGE OF TECHNOLOGY, KANCHIKACHERLA  
has actively participated in online Faculty Development Program

on

### Research Insight for Beginners

on 24<sup>th</sup> September 2022

Organized by the Research Cell, Indus University, Ahmedabad



Dr. Sweta Shah  
Assistant Dean R&D  
Convener



Dr. Sujay Chaudhary  
Dean R&D  
Chairperson

# CERTIFICATE OF PARTICIPATION

This is to certify that

**K. SIRISHA**

of DVR & Dr.HS MIC COLLEGE OF TECHNOLOGY has actively participated

in the Five Day Online Faculty Development Program on

## "Thermal Science and Materials Engineering"

Organized by the Department of Mechanical Engineering,

Srinivasa Ramanujan Institute of Technology, Ananthapuramu from 07 - 11 November 2022.

S. Sharma

C. Jayapal Reddy

G. Balakrishna

**Dr. S. Sharma** **Valli**  
Program coordinator

**Mr. C. Jayapal Reddy**  
Co-Patron

**Dr. G. Balakrishna**  
PRINCIPAL  
JVR & Dr. HS MIC College of Technology  
Patron  
Kanchikacherla, N.T.R. Dr.  
Andhra Pradesh, India - Pin: 521160.



# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

**Accredited by NAAC & NBA (CSE,IT, EEE,ECE & ME)**

Approved by AICTE, New Delhi & Affiliated by JNTUK, Kakinada  
L.B.Reddy Nagar, Mylavaram, Andhra Pradesh 521230



## Certificate of Participation

This is to Certify that

**K. SUPRIYA**

**ASST. PROFESSOR, DVR & DR. HS MIC COLLEGE OF TECHNOLOGY, KANCHIKACHARLA**

has actively participated in the One Week Online FDP on "Advancements in Thermal and Renewable Energy Technologies (ATRET-2022)" organized by the Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna (Dt.), Andhra Pradesh, India organized from 04/07/2022 to 09/07/2022.

Organized by  
Department of  
Mechanical Engineering  
LBRCE

  
**Dr.PVijay Kumar**  
(Co-ordinator)

  
**Dr. S. Pichu Reddy**  
(Convenor)

  
**Dr. K. Appa Rao**  
PRINCIPAL  
JVR & DR. HS MIC COLLEGE OF TECHNOLOGY  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180



# VENU INSTITUTE OF TECHNOLOGY

Accredited by NAAC & NBA (CSE, ECE & EEE)  
P.Kothakota, Tirupati - Chittoor Highway, Chittoor Dist., A.P - 517 112

## CERTIFICATE OF PARTICIPATION

This is to certify that Dr./Mr./Ms./Mrs. K. Sirisha, Assistant Professor,  
DVR & Dr HS MIC College of Technology has participated in a 5 Day National  
Level Online Faculty Development Program on “3D Printing Technologies”  
organized by the Department of Mechanical Engineering, Venu Institute of  
Technology, held from 6<sup>st</sup> to 10<sup>th</sup> September 2022.

*Dr. Naveen Kilari*  
Naveen Kilari

*Dr. KVNVN Rao,*  
Convener - FDP  
HOD - M.E

*Dr. Naveen Kilari*  
Naveen Kilari  
PRINCIPAL  
DVR & Dr HS MIC College of Technology



## CERTIFICATE OF PARTICIPATION

This is to certify that

M. KEERTHI

DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY, KANCHIKACHERLA

has actively participated in online Faculty Development Program

on

Research Insight for Beginners

on 24<sup>th</sup> September 2022

Organized by the Research Cell, Indus University, Ahmedabad

Dr. Sweta Shah

Assistant Dean R&D

Convenor

Dr. Sujoy Chaudhary

PRINCIPAL

DVR & Dr. HS MIC College of Technology  
Chairperson  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521160



# CERTIFICATE OF PARTICIPATION

This is to certify that

**M. KEERTHI**

of DVR & DR.HS MIC COLLEGE OF TECHNOLOGY has actively participated

in the Five Day Online Faculty Development Program on

## "Thermal Science and Materials Engineering"

Organized by the Department of Mechanical Engineering,

Srinivasa Ramanujan Institute of Technology, Ananthapuramu from 07 - 11 November 2022.

S. Sharma

C. Jayapal Reddy

A. Balakrishna

**Dr. S. Sharma's Vali**  
Program coordinator

**Mr. C. Jayapal Reddy**  
Co-Patron

**Dr. G Balakrishna**  
PRINCIPAL  
DVR & DR. HS MIC College of Tech  
Kanchikacherla, N.T.R. Dist.  
Andhra Pradesh - 521180



# VENU INSTITUTE OF TECHNOLOGY

Accredited by NAAC & NBA (CSE, ECE & EEE)  
P.Kothakota, Tirupati - Chittoor Highway, Chittoor Dist., A.P - 517 112

## CERTIFICATE OF PARTICIPATION

This is to certify that Dr./Mr./Ms./Mrs. M. Koteswara Rao, Assistant Professor, DVR & Dr HS MIC College of Technology has participated in a 5 Day National Level Online Faculty Development Program on “3D Printing Technologies” organized by the Department of Mechanical Engineering, Venu Institute of Technology, held from 6<sup>th</sup> to 10<sup>th</sup> September 2022.

*Dr. M. Koteswara Rao*

*Naveen Kilari*

Dr. KVNN Rao,  
Convenor - FDP  
HOD - M.E



# VENU INSTITUTE OF TECHNOLOGY

Accredited by NAAC & NBA (CSE, ECE & EEE)  
P.Kothakota, Tirupati - Chittoor Highway, Chittoor Dist., A.P - 517 112

## CERTIFICATE OF PARTICIPATION

This is to certify that Dr./Mr./Ms./Mrs. N. Rohini Devi, Assistant Professor, DVR & Dr HS MIC College of Technology has participated in a 5 Day National Level Online Faculty Development Program on “3D Printing Technologies” organized by the Department of Mechanical Engineering, Venu Institute of Technology, held from 6<sup>th</sup> to 10<sup>th</sup> September 2022.

*12*  
*Naveen Kilari*

PRINCIPAL  
DVR & Dr HS MIC College of Technology

Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521 110

Dr. KVNVN Rao,  
Convenor - FDP  
Hod - M.E  
  
*Naveen Kilari*

# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

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Approved by AICTE, New Delhi & Affiliated by JNTUH, Kakinada  
L.B.Reddy Nagar, Mylavaram, Andhra Pradesh 521230



## Certificate of Participation

This is to Certify that

**N. ROHINI DEVI**

**ASST. PROFESSOR, DVR & DR. HS MIC COLLEGE OF TECHNOLOGY, KANCHIKACHARLA**

has actively participated in the One Week Online FDP on "Advancements in Thermal and Renewable Energy Technologies (ATRET-2022)" organized by the Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna (Dt.), Andhra Pradesh, India organized from 04/07/2022 to 09/07/2022.

Organized by

Department of  
Mechanical Engineering  
LBRCE

  
**Dr.PVijay Kumar**  
(Co-ordinator)

  
**Dr. S Pichi Reddy**  
(Convenor)  
DVR & DR. HS MIC College of Tech  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180

  
**Dr. K. Appa Rao**  
(Principal)  
DVR & DR. HS MIC College of Tech  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180



## CERTIFICATE OF PARTICIPATION

This is to certify that

N. ROHINI DEVI

DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY, KANCHIKACHEERLA  
has actively participated in online Faculty Development Program

on

### Research Insight for Beginners

on 24<sup>th</sup> September 2022

Organized by the Research Cell, Indus University, Ahmedabad

  
Dr. Sweta Shah  
Assistant Dean R&D  
Convener

  
Dr. Sujoy Chaudhury  
Dean, R&D  
Chairperson

**ORIENTAL INSTITUTE OF SCIENCE & TECHNOLOGY, BHOPAL**  
Approved by AICTE, New Delhi & Govt. of M.P., Affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal  
Oriental Campus, Opp. Patel Nagar, Raisen Road, Bhopal-462022 (M.P.) INDIA  
Website: [www.oriental.ac.in](http://www.oriental.ac.in)

**pproved by AICTE, New Delhi & Govt. of M.P., Affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal  
Oriental Campus, Opp. Patel Nagar, Raisen Road, Bhopal-462022 (M.P.) INDIA  
Website: [www.oriental.ac.in](http://www.oriental.ac.in)**

# Collaboration with RGpv Bhopal - National Level Research Scholar Meet on Renewable & Sustainable Technologies and Recent Advancement

28<sup>th</sup> - 29<sup>th</sup> July 2022

This certificate is awarded to

**R. RANJITH KUMAR**  
(Associate Professor)

**DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY**

as an Attendee of Two days National Level Research Scholar Meet organized at  
Institutional & Extension Facilitation of Oriental Institute of Sri Lanka & Technolgy

四

U.G.C. Sample  
Dept. of EE, OIST

Dr. Sudhira Gupta  
Prof. Dept. of EE, MANT Bhopal

3pm

91

28

10

Dr. S. T. Dean & Prof. Dept.

# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

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Approved by AICTE, New Delhi & Affiliated by JNTUK, Kakinada  
L.B.Reddy Nagar, Mylavaram, Andhra Pradesh 521230



## Certificate of Participation

This is to Certify that

SK. ESUB BASHA

ASST. PROFESSOR, DVR & DR. HS MIC COLLEGE OF TECHNOLOGY, KANCHIKACHARLA

has actively participated in the One Week Online FDP on "Advancements in Thermal and Renewable Energy Technologies (ATRET-2022)" organized by the Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna (Dt.), Andhra Pradesh, India organized from 04/07/2022 to 09/07/2022.

Organized by

Department of  
Mechanical Engineering  
LBRCE

Dr. P.Vijay Kumar  
(Co-ordinator)

Dr. S. Pichu Reddy  
(Convenor)

Dr. K. Appa Rao  
PRINCIPAL  
(Dr. & Dr. HS MIC College (Principal))  
Kanchikacherla, N.T.R. Dt.



**MEEURUT INSTITUTE OF ENGINEERING AND TECHNOLOGY, MEEURUT**  
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### **CERTIFICATE OF PARTICIPATION**

THIS CERTIFICATE IS AWARDED TO

**KAKARLA VEENANAND**

from

**DVR & DR.IIS MIC College of Technology**

has participated in One Week Online Faculty Development Program on "Modelling, Simulation, and Measurement of High Frequency Antennas for Advanced Wireless Communication" from 01/08/2022 to 08/08/2022 organized by Department of Electronics and Communication Engineering, Meerut Institute of Engineering and Technology in association with Entuple Technologies and ACIC MIET Meerut Foundation.

  
Dr. Premud Singh  
Co-ordinator

  
Dr. Subodh Kumar Tripathi  
Co-ordinator

  
Dr. Neha Mittal  
Convenor

  
Dr. Arun V. Patwari  
Director

EC20/HFSD/2022-2023/003

  
Andhra Pradesh Institute of Technology  
DVR&DR.IIS MIC College of Technology  
Vijayawada, Andhra Pradesh, India  
PINCODE: 521160  
PRINCIPAL: Dr. P. R. S. PRADHAN  
ID: 5211601001467886



**SERB Sponsored  
National Workshop  
On**



**"Recent Advancements in VLSI Chip Devices/Circuits and its Applications"**  
**(25<sup>th</sup> -29<sup>th</sup>, July 2022)**

**Certificate of participation**

This is to certify Dr/Mr/Ms/Mrs. .... **KAKARLA VEENANAND**

.....DVR & DR HS MIC COLLEGE OF TECHNOLOGY ..... has Participated in Five-Days National Workshop on "Recent Advancements in VLSI Chip Devices/Circuits and its Applications" held from 25<sup>th</sup> to 29<sup>th</sup> July - 2022, Organized by Microelectronics Research Group (MERG), Department of Electronics and Communication Engineering, KONERU LAKSHMAIAH EDUCATION FOUNDATION (Deemed to be University), Vaddeswaram, Guntur, Andhra Pradesh, 52

**Dr. K. Girija Sravani**  
Coordinator, ECE, KLEF

**Dr. M. Suman**  
HoD, ECE, KLEF

**Dr. K. Subba Rao**  
Principal, KL College of Engg

*bls*  
PRINCIPAL  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh India - Pin: 521180



## Malaviya National Institute of Technology Jaipur

### CERTIFICATE OF PARTICIPATION

This is to certify that **Mr.KAKARLA VEENANAND** from **DVR & DR.HS MIC COLLEGE OF TECHNOLOGY** has attended the expert lecture on "Microstrip Antenna Design and Optimization using Full Wave Simulator" organized by **IEEE APS SBC MNIT** in association with **IEEE SB MNIT, IEEE RFID SBC MNIT & IEEE Delhi APS Chapter-Jaipur** On September 3, 2022.

Mr. Girdhar Gopal  
Chair

IEEE Student Branch MNIT Jaipur

Ms. Deepshikha Lodhi  
Chair

IEEE APS SBC MNIT Jaipur

Dr. Sarthak Singh  
Faculty Advisor

IEEE Student Branch MNIT Jaipur

Date: 03-09-2022

Place: MNIT JAIPUR

PRINCIPAL  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin - 534190



## SERB Sponsored National Workshop On



# “Recent Advances in VLSI Chip Devices/Circuits and its Applications” (25<sup>th</sup> -29<sup>th</sup> , July 2022)

Certificate of participation

This is to certify Dr./Mr./Ms./Mrs..... Dr Ch Pulla Rao....., Dr HS MIC College of Technology....., has Participated in Five-Days National Workshop on “Recent Advancements in VLSI Chip Devices/Circuits and its Applications” held from 25<sup>th</sup> to 29<sup>th</sup> July - 2022, Organized by Microelectronics Research Group (MERG), Department of Electronics and Communication Engineering, KONERU LAKSHMAIAH EDUCATION FOUNDATION (Deemed to be University), Vaddeswaram, Guntur, Andhra Pradesh, 522302- India.

卷之三

Dr. K. Subba Rao  
Principal, KL College of Engg.

**Dr. M. Suman**  
HoD, ECE, KLEF

**PRINCIPAL**  
**DVR & Dr. HS MIC College of Technology**  
Kanchikacharya, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 524 001



**Krishna University College of Engineering and Technology**  
**Department of Electronics & Communication Engineering**  
**Rudravaram, Machilipatnam – 521004, Krishna Dist, Andhra Pradesh.**

**Certificate of Participation**

This is to Certify that Mr./Ms. Dr.P RAJANI KUMARI actively participated in the **Faculty Development Programme “VLSI Exposure and it’s Challenges in Engineering”** Organized by Department of Electronics & Communication Engineering, Krishna University College of Engineering and Technology, Krishna University Conducted from 11<sup>th</sup> July 2022 to 15<sup>th</sup> July 2022.

Ch. V. Sekhar Babu  
Coordinator  
(Mr.R.Durga Prasad ) (Mr.Ch.Vijay Sekhar Babu )

Ch. V. Sekhar Babu  
Dept.Coordinator  
(Dr.R.Kiran Kumar ) (Dr.M.Rami Reddy )

PRINCIPAL  
Dr. R. K. S. MIC COLLEGE OF TECHNOLOGY  
(Dr. R. Kiran Kumar ) (Dr. M. Rami Reddy )

Andhra Pradesh, Int'l - Pin: 521180



**NARASARAOPETA  
ENGINEERING COLLEGE**  
(AUTONOMOUS)



## **CERTIFICATE OF PARTICIPATION**

This is to certify that

Dr. Mr. Mrs. Bhiksham Boddu

DVR & Dr. HS MIC College of Technology

has participated in a One Week Online STTP Sponsored by AICTE on  
**“Advances in Remote Sensing and its Applications”**  
organized by Department of Electronics & Communication Engineering,  
Narasaraopeta Engineering College, Narasaraopet

During 26<sup>th</sup> - 31<sup>st</sup> October, 2020

Certificate No: NEC-STTP-ARS1-058

Dr. A.V. Nageswara Rao  
Coordinator

Dr. V. Venkata Rao  
HOD-BCE

Dr. M. Sreenivasa Kumar  
PRINCIPAL

PRINCIPAL  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, NTR Dt.  
Andhra Pradesh, India - 521180



SERB Sponsored  
National Workshop  
On

"Machine Learning and Deep learning Techniques for VLSI"  
(15<sup>th</sup> -19<sup>th</sup>, NOV-2022)

*Certificate of participation*

This is to certify Dr./Mr./Mrs. G V P Chandra Sekhar Yadav, DVR & Dr. HS MIC College of Technology has Participated in Five-Days National Workshop on "Machine Learning and Deep learning Techniques for VLSI" held from 15<sup>th</sup> -19<sup>th</sup>, NOV-2022, Organized by Microelectronics Research Group (MERG), Department of Electronics and Communication Engineering, KONERU LAKSHMAIAH EDUCATION FOUNDATION (Deemed to be University), Vaddesswaram, Guntur, Andhra Pradesh, 522302-India.

*Signature*

Dr. B. Balaji

Coordinator, ECE, KLEF

Dr. M. Suman  
HoD, ECE, KLEF

Dr. K. Srinivasa Rao  
Head of MERG Group, ECE, KLEF

Dr. M. Summan  
HoD, ECE, KLEF

Dr. K. Rama Krishna Rao  
Principal, KLE College of Engg.  
Autonomous, N.T.R. Dist.  
Kanchikacherla, N.T.R. Dist.  
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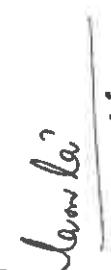
has participated in the workshop.

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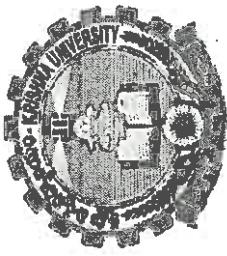
  
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of Engineering and Technology, Krishna University Conducted from 11<sup>th</sup> July 2022 to 15<sup>th</sup> July 2022.

  
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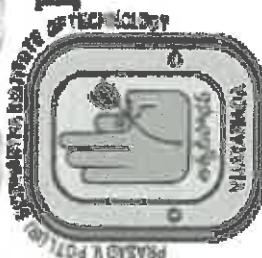
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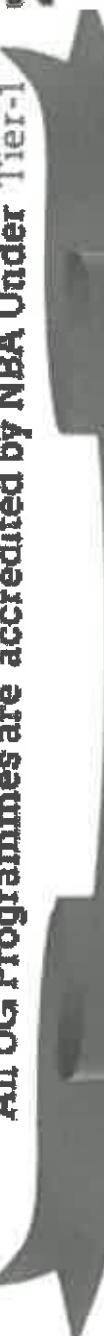


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---

Sujata Sonthalia<sup>1</sup>, M.A. (Ph.D.)

Assistant Professor

DVR & Dr HIS MIC College of Technology

Kanchikacherla-521180

Andhra Pradesh

India

Dr. B. Karuna<sup>2</sup>, M.A. Ph.D.

Associate Professor

Acharya Nagarjuna University

Guntur- 522510

Andhra Pradesh

India

---

**Abstract:**

This paper critically analyzes the partition fictions of Bapsi Sidhw's *Ice-Candy-Man* and Anita Rau Badami's *Can You Hear the Nightbird Call?*. Bapsi Sidhw received several awards including the Lila Wallace Readers' Digest Writers' Award and the Li Beraturepre is from Germany for the Novel *Ice-Candy-Man*. *Can You Hear the Nightbird Call?* is a noteworthy work done by Anita Rau Badami which made her a celebrity at the international platform. Towing high among the other authors, Bapsi and Anita are vibrant writers of India origin. These fictions portray with force, wisdom and passion the agony which tortured and tormented the human spirit during the pre and post-independence. Their narratives are strikingly significant as their experiences are shared openly, of course, with their own spectacles of caste, creed, religion and nationality. Yet the authors' narratives help the readers to learn about Indian history and enables them to be aware of the injustice done to many in the name of religion.

**Keywords:** Human spirit, post-independence, celebrity, vibrant, narratives.

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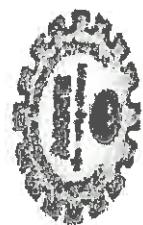
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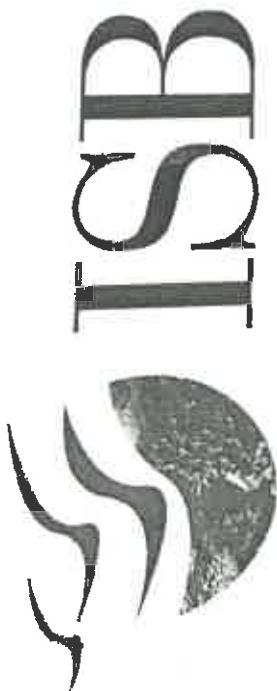
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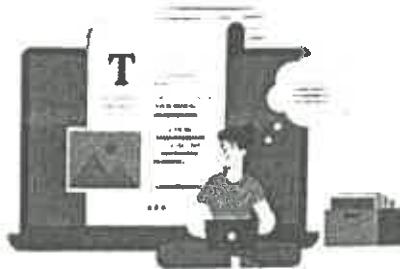


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## Emergence of 'Buoyant Woman' as a Source of Solace: A Study of the Select Novels of Anita Rau Badami

Sujata Sonthalia  
Assistant Professor,  
DVR & Dr. HS MIC College of Technology,  
Kanchikacherla, Vijayawada.  
Andhra Pradesh, India.  
&  
Dr. B Karuna  
Associate Professor,  
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Article History: Submitted-15/05/2021, Revised-16/06/2021, Accepted-17/06/2021, Published-30/06/2021.

### Abstract:

Anita Rau Badami is a writer of South Asian Diaspora living in Canada with a strong, prominent voice of the modern Indian Diaspora. Her works deal with the delicate intricacies of Indian women, which infiltrate the hearts of the readers and achieve remarkable success. Her female characters are the real heroes who encounter adverse situations; and find solution to the problems and become a source of solace for their family. Withstanding all hardships and suffering, they gradually emerge successful, fulfilling their personal dreams and responsibilities towards their respective families. An attempt is made to study thoroughly and comprehend reasonably the predicament and perspectives of two buoyant women Nirmala and Suman, the protagonists of *The Hero's Walk* and *Tell it to the Trees* respectively. The paper also discusses how these women become triumphant and prove their potential, although with consistent forbearance.

**Keywords:** Real heroes, triumphant, hardships, predicament, forbearance.

Since times immemorial many melodious songs of life have been sung by many literary musicians revealing the beauty of life in all its imperfections. This beautiful melody has become the chord of humanity on the earth, irrespective of region, gender and race. It is the treasure of



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(Dr Santanu Mandal)

Dean, School of Advanced Sciences

(Prof. Madhusudhana Rao N)  
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(Dr Santanu Mandal)

**Dean, School of Advanced Sciences**

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(Prof. Madhusudhana Rao N)

**Head, Physics Department**



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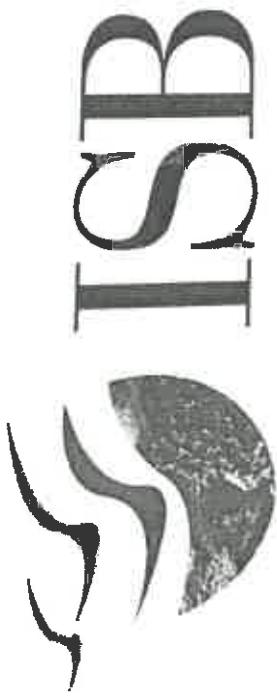
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## A NUMERICAL SCHEME FOR THE SOLUTION OF $q$ -FRACTIONAL DIFFERENTIAL EQUATION USING $q$ -LAGUERRE OPERATIONAL MATRIX

B. MADHAVI, G. SURESH KUMAR<sup>1</sup>, AND T. S. RAO

galley of proofs

**ABSTRACT.** In this paper, we develop a numerical scheme for the solution of  $q$ -fractional order differential equation using  $q$ -Laguerre operational matrix( $q$ -LOM). Here, we consider the  $q$ -fractional derivative in the Caputo sense. An operational matrix of  $q$ -Laguerre polynomials for  $q$ -fractional order derivatives are determined and utilized along with the spectral tau method for converting the  $q$ -fractional differential equations( $q$ -FDEs) into a system of algebraic equations. This method is applied to solve linear  $q$ -fractional differential equations.

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Fractional order derivatives generalizes integer-order differentiation and integration. In 1695 Leibniz's noted the Fractional derivative in his list to L'Hospital

<sup>1</sup>corresponding author

2020 Mathematics Subject Classification. 26A33, 34A08, 33C47.

Key words and phrases.  $q$ -Laguerre polynomials, operational matrix,  $q$ -fractional differential equations, Tau method, collocation method, Caputo  $q$ -fractional derivative.



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## **Mixed convective EMHD flow of bioconvection in generalized viscoelastic nanofluid through a convectively heated Riga surface**

**Kotha Gangedhar, M. Rupa Lavanya, M. Venkata Subba Rao & Ali J. Chamkha**

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# THERMOPHORESIS AND BUOYANCY EFFECTS ON CHEMICALLY REACTIVE UPPER CONVECTED MAXWELL FLUID FLOW INDUCED BY AN EXPONENTIALLY STRETCHING SHEET: APPLICATION OF CATTANEO-CHRISTOV HEAT FLUX

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## ABSTRACT

The main intention of this study is to explore Maxwell fluid under the influence of thermophoresis and buoyancy forces induced by exponentially stretching sheet under chemical reaction. Cattaneo-Christov heat flux model is used to explore heat and mass characteristics with variable magnetic field, and chemical reaction. Variables of similarity were induced to transmute partial differential equations into dimensionless equations and are resolved numerically by elegant method bvp 4c. Behavior of various critical parameters on velocity, temperature and concentrations is graphically presented and discussed. Non Newtonian nature of the Maxwell fluid is clearly explored by the Maxwell parameter, it was found that for higher values of Maxwell parameter velocity profiles decreases. Thermal and solutal buoyancy forces acts in favor to velocity and thermophoretic parameter acts against concentration. Impact of Skin friction, Sherwood and Nusselt numbers on the flow configurations for diverse critical parameters are exposed realistically via graphs. Arithmetical results that obtained in the current exploration are confirmed with previously explored values in very marginal way.

**Key words:** Maxwell fluid, Cattaneo Christov heat flux model, Buoyancy forces, Upper Convection

## 1. INTRODUCTION

MHD flow intensifies the curiosity of many researchers in modern era for the reason that it plays immense role in numerous applications in all fields of science and technology like plasma physics, aerodynamics, astrophysics and super conduction coils, polyethylene industries, coatings, biomedical applications, drug transports and so forth. Numerous classical theories and transport models of heat and mass transfer are available in the literature. In these models both thermal and concentration relaxation features were involved. Fourier (1822) and Fick (1855) described the phenomenon of heat and mass transfer. The main inadequacy of the Fourier's law known as "Paradox of heat conduction" is that it leads the energy equation to a parabolic equation. To overcome this paradox, several modified versions of the Fourier's law have been introduced. Cattaneo (1948) in his experiment included heat flux relaxation time required to establish steady conduction once a temperature gradient is imposed. Later Christov (2009) proposed a modification to the time derivative in the Maxwell-Cattaneo model with the Oldroyd upper-conveected derivative preserving material invariant formulation. Hayat et al. (2016) studied

three-dimensional flow of nanofluid with Cattaneo-Christov double diffusion under Brownian motion and thermophoresis effects. Sui et al. (2016) in their paper reported that higher values of slip parameter decelerates velocity and skin friction. Awais et al. (2018) analyzed the heat transfer rate decays for advanced relaxation time whereas it increases for higher Prandtl number.

The viscosity of the fluids like paints, greases, lubricant oils, coal tar, jellies, and paste varies depending upon the influences like shear in fluid pressure and temperature. These fluids are non-Newtonian in nature. view of various rheological properties of non-Newtonian fluids several constitutive relationships between stress and rate of shear are examined. Fluids of non-Newtonian types are mainly distributed among integral, rate and differential types. Maxwell fluid falls under rate type non-viscoelastic fluids category. This class illustrates the relaxation time effects. Fetecau (2003) obtained exact solution for Maxwell fluid flow. Umer Farooq et al. (2019) considered Buongiorno model to explore properties of Maxwell fluid with nanomaterial over stretching surface. Wubshet Ibrahim et al. (2020) scrutinized upper convected slip effects of stagnation point flow

Maxwell fluid. Vajravelu *et al.* (2017), Rahbari *et al.* (2018), Gireesha *et al.* (2018), scrutinized non-Newtonian Maxwell fluid with different physical conditions such as viscous dissipation, Newtonian heating, homogeneous-heterogeneous chemical reactions, and thermal stratification past different stretching surfaces. Their result shows that as Prandtl number increases, temperature, as well as rate of heat transfer, dwindled.

Chemical reaction with mixed convection plays dynamic role in many industrial and technological applications, so there is great demand to minimize number of reagents and to maximize desired output. Concentration and temperature differences or both effects influence rate of heat and mass transfer. Exothermic and endothermic chemical reactions added to combustion is to be studied thoroughly. Many researchers anticipated to study these effects by considering buoyancy forces through thermal Grashof number, and solutal Grashof number. Transport phenomena due to stretching sheets have superficial role in various engineering applications like paper production, aerodynamic extrusion of sheets, drawing of plastics, cooling of metallic sheets in baths and many others. At present, researchers have anticipated through several experimental studies that desired output from industrial objects can be achieved by varying velocity in different ways. After a thorough survey, they reported that the velocity may be sinusoidal, exponential or nonlinear. Vedavati *et al.* (2017) showed their interest to study non Newtonian fluids and explored non-Newtonian nature by considering chemical reaction mixed convective conditions and different physical parameters. Rout *et al.* (2013) studied convective surface boundary conditions of moving vertical flat plate. Vijaya *et al.* (2019, 2020a, 2020b) comprehensively studied Casson fluid flows on stretching surface by considering the impact of mixed convection, radiation, thermophoresis and chemical reactions. Yahaya Shgiya Daniel *et al.* (2015) investigated the theoretical influence of buoyancy and thermal radiation on MHD flow over stretching sheet. Arswin kumar *et al.* (2018) reported buoyancy forces on the boundary layer along with radiation and absorption effects. Shateyi (2008) analyzed buoyancy effect on MHD flows by considering suction and blowing. Unsteady magnetohydrodynamic (MHD) flow of pseudoplastic nanofluid in a finite thin film towards a stretching surface with internal heat generation is explored analytically by Lin *et al.* (2015), Ramesh *et al.* (2012) scrutinized the magnetohydrodynamic (MHD) stagnation point flow of dusty liquid towards a porous stretched surface with non-uniform heat source/sink.

Thermophoresis is an important physical formation of colloidal particles in a solution which responds to temperature gradient. This can be observed in vaporizer mixtures (fog, dust, geyser steam, and smoke) and in many industrial applications like optical fiber, electronic chip industries, nuclear power projects and so forth. Loganathan *et al.* (2010) explored the consequences of thermophoresis and injection/suction on the non-Darcy flow of fluid past a wedge in the presence of the magnetic field. Hady *et al.* (2011) considered the effect of heat sink/source to inspect the behavior of the natural convective flow of nanofluid through a cone. Rawat *et al.* (2018) accounts for the consequence of slip, Brownian motion, and thermophoresis to investigate the boundary layer flow of Cu-H<sub>2</sub>O nanofluid. Nagalakshmi *et al.* (2020) elaborately studied Carreau Nanofluid explored using CNT over a nonlinear stretched sheet. To the best of the author knowledge influence of thermophoresis on chemically reactive Maxwell fluid flow with Cattaneo-Christov heat flux model subject to a magnetic field is yet to be examined. The major objective of this study is to explore the effect of thermophoresis, buoyancy effects combined with chemical reaction and magnetic effects on Maxwell fluid over a surface with exponentially stretching sheet. Graphical portrayal is depicted using the powerful tactic bvp4c via MATLAB software.

## 2. FLOW ANALYSIS AND MATHEMATICAL MODELLING

A two dimensional mixed convective flow of an upper convected Maxwell fluid over an elastic sheet is located at y=0, as shown in Fig. 1. In this flow

geometry, origin is taken as the fixed point and the pane is elongated along x-axis in its own plane with the velocity as well as y-axis with the velocity  $U_w(x) = U_0 e^{\frac{x}{2L}}$  in which  $U_0$  is considered as reference temperature and  $L$  is reference length. A variable magnetic field  $B(x) = B_0 e^{\frac{x}{2L}}$  is applied normal to the sheet,  $B_0$  being a constant. The very slight induced magnet field generated due to electrical fluid is ignored in this study. In this flow pattern  $T_w = T_\infty + T_0 e^{\frac{x}{2L}}$  is variable surface temperature distribution and  $C_w = C_\infty + C_0 e^{\frac{x}{2L}}$  is solute concentration distribution, where  $A$  is exponent constant.

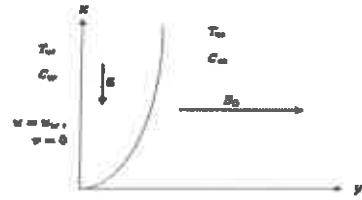


Fig.1. Geometrical outline of the flow

The governing equations of the flow are rearranged here under various terms mentioned in nomenclature considering Boussinesq approximations with thermal diffusivity  $\alpha = \frac{k}{\rho c_p}$ , and with the thermophoretic velocity

$$V_T = -k_r \frac{v}{T_r} \frac{\partial T}{\partial y}$$

$$\frac{\partial u}{\partial x} + \frac{\partial v}{\partial y} = 0 \quad (1)$$

$$\bar{u} \frac{\partial \bar{u}}{\partial x} + \bar{v} \frac{\partial \bar{u}}{\partial y} + \lambda \left( \bar{u}^2 \frac{\partial^2 \bar{u}}{\partial x^2} + \bar{v}^2 \frac{\partial^2 \bar{u}}{\partial y^2} + 2\bar{u}\bar{v} \frac{\partial^2 \bar{u}}{\partial x \partial y} \right) = \bar{v} \frac{\partial^2 \bar{u}}{\partial y^2} - \frac{\sigma B^2}{\rho} (\bar{u} + \lambda \bar{v} \frac{\partial T}{\partial y}) + g\beta_T (T^* - T_\infty) + g\beta_C (C^* - C_\infty) \quad (2)$$

$$\alpha \frac{\partial^2 T^*}{\partial y^2} = \bar{u} \frac{\partial T^*}{\partial x} + \bar{v} \frac{\partial T^*}{\partial y} + \lambda_1 \left[ \left( \bar{u} \frac{\partial \bar{u}}{\partial x} + \bar{v} \frac{\partial \bar{u}}{\partial y} \right) \frac{\partial T^*}{\partial x} + \left( \bar{u} \frac{\partial \bar{v}}{\partial x} + \bar{v} \frac{\partial \bar{v}}{\partial y} \right) \frac{\partial T^*}{\partial y} + \bar{u}^2 \frac{\partial^2 T^*}{\partial x^2} + \bar{v}^2 \frac{\partial^2 T^*}{\partial y^2} + 2\bar{u}\bar{v} \frac{\partial^2 T^*}{\partial x \partial y} \right] \quad (3)$$

$$\bar{u} \frac{\partial C^*}{\partial x} + \bar{v} \frac{\partial C^*}{\partial y} = D \frac{\partial^2 C^*}{\partial y^2} - \frac{\partial}{\partial y} [V_T (C^* - C_\infty)] - k_0 (C^* - C_\infty) \quad (4)$$

Under the following boundary conditions

$$\left\{ \begin{array}{l} \bar{u} = U_w(x) = U_0 e^{\frac{x}{2L}} \\ \bar{v} = 0 \\ T^* = T_w(x) = T_\infty + T_0 e^{\frac{x}{2L}} \text{ at } y=0 \\ C^* = C_w(x) = C_\infty + C_0 e^{\frac{x}{2L}} \end{array} \right. \quad (5)$$

$$\left\{ \begin{array}{l} \bar{u} \rightarrow 0, \\ T^* \rightarrow T_\infty \quad \text{as } y \rightarrow \infty \\ C^* \rightarrow C_\infty \end{array} \right. \quad (6)$$

## 3. METHOD OF SOLUTION

Following likeness variables are introduced to convert partial differential equations (1-4) into ordinary differential equations

$$\eta = \left( \frac{U_0}{2vL} \right)^{\frac{1}{2}} \exp \left( \frac{x}{2L} \right) \quad (7)$$

$$\bar{u} = U_0 \exp \left( \frac{x}{L} \right) f' \quad (8)$$

## A NUMERICAL SCHEME FOR THE SOLUTION OF $q$ -FRACTIONAL DIFFERENTIAL EQUATION USING $q$ -LAGUERRE OPERATIONAL MATRIX

B. MADHAVI, G. SURESH KUMAR<sup>1</sup>, AND T. S. RAO

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**ABSTRACT.** In this paper, we develop a numerical scheme for the solution of  $q$ -fractional order differential equation using  $q$ -Laguerre operational matrix( $q$ -LOM). Here, we consider the  $q$ -fractional derivative in the Caputo sense. An operational matrix of  $q$ -Laguerre polynomials for  $q$ -fractional order derivatives are determined and utilized along with the spectral tau method for converting the  $q$ -fractional differential equations( $q$ -FDEs) into a system of algebraic equations. This method is applied to solve linear  $q$ -fractional differential equations.

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Dr S Maruthamanikandan  
HOD, Dept. of Mathematics

Dr Abdul Sharief  
Dean, SOE



Dr Shrishail B Anadinni  
Associate Dean, SOE

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S. Mat

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HOD, Dept. of Mathematics

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Dean, SOE

**Dr Shrishail B Anadinni**  
Associate Dean, SOE

  
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# Synthesis, Characterization and Phase Transition Studies in Hydrogen Bonded Liquid Crystal *p*- Octyloxy Benzoic Acid: *p*-(*p*'- Ethoxy Benzylidene)- Cyano Aniline (8OBA: EBCA)

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**ABSTRACT:** Design of novel liquid crystals for suitable applications giving a thrust in recent times. One of the approach to this new mesogens is through hydrogen bond between compounds whether they are liquid crystals or non-liquid crystals. Hence authors are motivated to synthesize complex liquid crystals via hydrogen bond consisting the type of mesogenic and mesogenic, namely *p*- octyloxy benzoic acid (8OBA) and *p*-(*p*'- ethoxy benzylidene)- cyano aniline (EBCA). Further characterization is also carried out and results are discussed in this communication.

**KEYWORDS:** 8OBA, EBCA, hydrogen bond, polarizing microscopy, FTIR, Navard and Haudin parameter.

## I. INTRODUCTION

The design considerations involve the materials viability in applications. It depends not only on the stability and durability but also on the physical parameters. Systematic studies on different types of liquid crystalline materials reveal their importance in fundamental [1] and applied [2] research. The complex liquid crystals are also important to bring down the high transition temperature, to increase the phase range and to induce new phases. If the complex is formed through inter molecular hydrogen bond, lengthening of rigid rod segments occurs as a property of liquid crystalline behaviour. Much [3-6] attention has been focused on the mesomorphism induced by the non-covalent electrostatic interaction involving intermolecular hydrogen bonding. This work is motivated to synthesize complex liquid crystal via hydrogen bond consisting the type of mesogenic and mesogenic, namely *p*- octyloxy benzoic acid (8OBA) and *p*-(*p*'- ethoxy benzylidene)- cyano aniline (EBCA).

## II. RELATED WORK

Kato and Frechet advanced a new concept for the construction of liquid crystalline compounds [7,8] and Srinivaulu [9] which involve the processes of molecular recognition and self – organization. Hydrogen bonding new liquid crystals increased the applications. Hydrogen bonds usually considered as the fifth fundamental type of chemical interactions, have attracted much attention in recent years owing to their importance as powerful tools for self-assembling molecules [10-12]. Despite their low bond energies, these hydrogen bonds have great importance both in biochemical systems and normal chemical reactions. Due to low- bond and activation energies, H- bond complexes



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# Synthesis and Characterization of 9OBA : EBCA Intermolecular Hydrogen Bonded Mesogen

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**ABSTRACT:** The role of hydrogen bonding interaction in the formation and stabilization of mesophases has been recognized and significant work has been turned out. It was found that hydrogen bonds are successfully employed for the inducement of new mesophase and /or quenching of phase(s). The hydrogen bond has a striking influence on the phase behaviour as well as phase transition temperatures etc; Synthesis of hydrogen bonded liquid crystal consisting mesogenic+mesogenic, namely *p*-nonyloxy benzoic acid :*p*-(*p*'-ethoxy benzylidene – cyano aniline (9OBA:EBCA) is carried out. Characterization of the new compound is done through FTIR spectra for hydrogen bond formation, textural and phase transition studies through polarization optical microscope attached with hot stage and camera and confirmation of phase transition temperatures through differential calorimetry. From FTIR spectra, it is observed that hydrogen bond is formed between OH of 9OBA and NC of EBCA. The thermal polarizing microscope observations show that the three compounds 9OBA, EBCA and 9OBA: EBCA are enantiotopic liquid crystals exhibiting threaded marble nematic and schlieren smectic C phases, threaded nematic mesophase and threaded marble nematic and schlieren smectic C and marble smectic G phases respectively indicating induced phase in the synthesized compound along with changes in phase transition temperatures. Comparative study of 5OBA: EBCA and 8OBA: EBCA is discussed.

**KEYWORDS:** Polarizing optical microscope, Differential Scanning Calorimetry, hydrogen bond, Smecti –G, Infrared Spectroscopy,

## I. INTRODUCTION

The role of hydrogen bonding interactions in the formation and stabilization of mesophases [1,2] has been recognized and significant work has been turned out. . The hydrogen bond has a striking influence on the phase behaviour as well as transition temperatures. The hydrogen bond liquid crystal (mesogen) may be synthesized with the combination of mesogenic + mesogenic, mesogenic + non- mesogenic and non-mesogenic + non-mesogenic but the present work is containing mesogenic+mesogenic , namely *p*-nonyloxy benzoic acid (9OBA) and: *p*-(*p*'-ethoxy benzylidene – cyano aniline (EBCA).

## II RELATED WORK

Within the domain of liquid crystals prepared from multiple hydrogen bonding interactions[3-6], the synthesis and characterization of supramolecular liquid crystals and induced by the non-covalent electrostatic interaction involving intermolecular hydrogen bonding[7,8] have gained much attention. The liquid crystalline selforganization gives the material unique structures. Typically the dynamic character of linear calamatic hydrogen bonded liquid crystals are used as optical materials [9]. Induction and stabilization of liquid crystallinity through hydrogen bonding [10-12] are gaining momentum.

## III. EXPERIMENTAL

The experimental work involves the synthesis of the compound and identification of textures with transition temperatures, confirmation of phase transition temperatures and confirmation of H-bond using thermal polarizing microscope attached with hot stage, Differential Scanning Calorimetry, and Fourier Transform Infrared (FTIR) Spectroscopy respectively. *p*- nonyloxy benzoic acid (9OBA) and *p*-(*p*'-ethoxy benzylidene – cyano aniline

  
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# EMHD flow of second-grade fluid through a heated permeable disk with space dependent heat source

Kotha Gangadhar<sup>1</sup> , M. Rupa Lavanya<sup>1</sup> and Ali J. Chamkha<sup>2</sup>

## Abstract

In this article, von Kármán MHD viscoelastic fluid flow with second-grade model through a heated permeable disk on electric field is examined thoroughly. The effects of viscous dissipation and elasticity on fluid motion around the disk, temperature and space-dependent heat source/sink are also examined. Governing partial differential equations are transmitted into ordinary differential equations with similarity functions. Later, nonlinear system of ordinary differential equations was solved with the help of Galerkin finite element method. Accuracy and validity of the method were noticed by comparing our results with the previous literature. Simulations are performed in order to capture the dynamics of the physical situations against the variation of the pertinent parameters. Nature of heat flux and stresses of the physical parameters are discussed. Physical influence of heat flux, heat transfer is exhibited graphically at the surface of disk and increases when the values of Prandtl number are increased, whereas there is a decreasing trend in the rate of heat transfer when the value of Eckert number is increased.

## Keywords

von Kármán flow, variable surface temperature, GFEM, viscoelastic fluid, electric field

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## Introduction

The stability of magnetic and electric fields supplied for inconceivable influence of implementation in sciences, engineering, and medicine. Disparate industrial devices from pumps, bearings, MHD generators along with the boundary layer control impact on communication among the electrical conduction fluid and the magnetic field. Daniel et al.<sup>1</sup> inspected the role of electric field and the impact of error mechanism about the unstable flow of electrical nanofluid over a stretched sheet. They found to velocity had a blunt adverse communication of electric and magnetic fields. Mardani et al.<sup>2</sup> investigated numerically the droplet coalescence of salt water in crude oil by extraneous magnetic field. Sun et al.<sup>3</sup> established the heat transfer model by electrochromatography into transverse electric field. Khazayinejad and Nourazar<sup>4</sup> presented dimensional constituent heat transfer for MHD boundary layer flow of hybrid nanofluid with Fourier's law of heat direction working optimal collocation method. Urgorri et al.<sup>5</sup> analyzed the MHD boundary layers of tritium concentration to PbLi flows. They examined mass transport through MHD boundary layers is increased by the magnetic field up to an asymptotic value. Zhang et al.<sup>6</sup> considered the consequence of second-harmonic propagation covered by external magnetic field and electric field about parabolic quantum dots. Yan et al.<sup>7</sup> discussed the efficiency spectrum

of busmuthene quantum dots to the existence of in-plane electric and transfer fields by the tight-binding method. Zakaria et al.<sup>8</sup> scrutinized the instability analysis by the viscous liquid sheet covered by the consequence of a tangential electric field. The irreversibility analysis by MHD boundary layer flow of Maxwell nanofluid past the reducing surface was studied by Siddiqui et al.<sup>9</sup> The two-dimensional aligned MHD incompressible movement of nanoliquids close to absorptive stretched sheet that the existence of Joule heating was scrutinized by Riaz Khan et al.<sup>10</sup> Korei et al.<sup>11</sup> inspected by MHD mixed convection boundary layer flow of hybrid nanofluids in a moderately heated lid-driven cavity.

In previous literature, researchers used non-Newtonian fluid mechanics to data the differing components and presences of such fluids. Even subsequent Navier-Stokes equations are the complications are recorded as

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the existence of nonlinear restricted terms. Although viscosity was variable entrenched in enforced effort or stress, it might be restricted by non-Newtonian fluid. The frequent every day examples are maize starch deteriorated in water. Newtonian fluid behaviors similarly water could be supposed entirely as pressure or temperature. However, the non-Newtonian fluids physical behavior calculates in the force this conduct on it from time to time. A number of non-Newtonian fluids had generated the confusing rheology of common liquids. Non-Newtonian fluids had newly seized tremendous importance in industrial, mechanical and commercial applications. These liquids are worked in material handling, food processing, oil storage, chemical processes, and many others. Products such as ketchup, blood, oils, and mud than and dense liquids are restricted by non-Newtonian fluids. A subdivision of non-Newtonian liquids combines liquids holding memory effects that are labeled by viscoelastic fluids. In similar fluids, fluid motion is not only averred as the current stress state but also by the strain history of volume element. The second-grade model had last generally studied to evaluate viscoelastic effects in numerous boundary layer problems. Burhan Jafeer and Mustafa<sup>12</sup> considered the von-Karman flow of viscoelastic fluid by the heated permeable disk. The problem of magnetized flow about an Oldroyd-B fluid by a rotating disk had considered as Hafeez et al.<sup>13</sup> A mixed convection of viscoelastic fluids in a lid-driven cavity was investigated by Gupta et al.<sup>14</sup> Hernandez<sup>15</sup> studied the thermo-diffusive effect on electro osmotic flow of a viscoelastic fluid in the slash microchannel. Even torque and thrust of propellers in viscoelastic fluids were studied by Cao et al.<sup>16</sup> Finally, numerous researchers had do their work in viscoelastic fluid as taking distant physical effects those are displayed by Refs.<sup>17-25</sup>

Heat transfer of magneto hydrodynamic flow is extremely concerned with the heat dissipation phenomenon (heated dissipated being friction forces) and Ohmic dissipation (heat dissipated as Joule heating). Numerous modules had been assisted and applicable to the literature. In case, Nazir et al.<sup>26</sup> discussed the time-dependent Casson fluid flow exposure for magnetic field and variable time and space-dependent temperature. Singh et al.<sup>27</sup> explored the consequences of nonuniform surface heating to the common delegation that the Casson fluid past the vertical cone with viscous dissipation. Mbaru et al.<sup>28</sup> performed an entropy analysis for three-dimensional MHD Oldroyd-B fluid flow for the effects of a mixed chemical reaction and viscous dissipation. Gangadhar et al.<sup>29</sup> explored the stagnation point slip flow of a hybrid nanofluid with convective condition and viscous dissipation. The problem of boundary layer flow of nanofluid over an exponentially stretched surface with variable suction was scrutinized by Rao et al.<sup>30</sup> Even destruction minimization in MHD flow of a Williamson nanofluid flow past the flexible surface with viscous heating is considered as Gangadhar et al.<sup>31</sup> Hamid et al.<sup>32</sup> discussed the ferrofluid transport previous the enterable nonisothermal emotional surface to the

viscous dissipation effect. Ajibade and Umar<sup>33</sup> presented the influence of wall condition and viscous dissipation to calculate common delegation Couette flow in a vertical channel to a few density to the detention slabs. Under the influence of Joule heating and viscous dissipation for embellished thermal efficiency for copper-aluminum oxide nanoparticles was considered as Abbasi et al.<sup>34</sup> Salawu et al.<sup>35</sup> calculated the viscous dissipation effect on magneto-Oldroyd-8 constant material with a double exothermic reaction.

Mathematical illustration in a rotating disk complication was essential over the wide range in science, engineering, and product design appositeness. MHD flow near a rotating disk is presented as Ariel.<sup>36</sup> Even magneto-hydrodynamic rotating disk flow by the non-Newtonian Reiner-Rivlin authority of fluid with ion slip effect has been conducted by Attia.<sup>37</sup> Guha and Sengupta<sup>38</sup> studied the von Karman flow of the rotating disk from Bingham fluids. Kumar et al.<sup>39</sup> discussed for swirling flow about the nanoliquid through the radially flexible rotating disk among the deliberation of Arrhenius chemical reaction. The existence of diffusivity of gases and liquids nearby rotating disk for temperature-dependent viscosity was performed by Khan et al.<sup>40</sup> Mabood et al.<sup>41</sup> considered Stefan blowing influence on incompressible hydromagnetic flow of Maxwell nanofluid by variable thermal conductivity.

By the motivation of previous researchers, we had depicted the hydrothermal variations of second-grade fluid above a revolving disk in the electric field. Joule heating and viscous dissipation are combined to analyze the hydrothermal principle at the flow. As well as, even variable surface temperature acceptance was just popularized in that paper. Later complete literature, the physical position was averred and modeled. Establishing exotic flow fields (temperature and velocity) is determined through corrective shaped nonlinear mathematical problems for finite element method (FEM). Finite element method was a capable technique for had been strongly furnished to CFD problems.<sup>26,42</sup> Since numerical simulation code was approved and documented to study with earlier broadcasted benchmark. The abundance of engineering activity namely increasing Nusselt number and wall share is examined by differing choices of regulating parameters. The perfect examination is shortly averred at the end of this article.

## Problem formulation

Considered a steady laminar electrical MHD viscoelastic fluid flow rotating around the large disk of radius  $R$  with the consistent angular speed  $\omega$ . Let  $(u_1, v_1, w_1)$  remain the extension of velocity vector as azimuthal, radial, and axial axes, appropriately, to cylindrical coordinate system  $(r_1, \varphi_1, z_1)$ . Fluid flow was proposed when the homogeneous rotation about the almost large disk around axial coordinate  $z_1$ . Now modesty, we expect that disk was regular to the plane  $z_1 = 0$  during fluid was supplied to semi-infinite region  $z_1 \geq 0$  (look at

# Statistical Analysis of Big Data Models in Android Malware Detection

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**Abstract**— The term "malicious software" (or "Malware") refers to any software designed specifically to cause harm to a computer system. Malware has also progressed in its ability to avoid detection and launch attacks in tandem with the development of computing technology. Attackers are motivated to target Android vulnerabilities due to the growing popularity and reliance on smartphones. There are several types of stealth software, but none are as dangerous as ransomware. Ransomware is a type of malicious software designed to hold users' files and systems hostage in exchange for payment. Numerous ransomware assaults may have been inspired by the meteoric rise in mobile commerce. Desktop PCs and mobile devices are both vulnerable to malware. Microsoft Windows is the most used OS for home desktop computers across the world. As a result, a breach in one system might potentially affect many others. This research study offers a multi-stage system in which the initial stage makes use of features that are simpler to extract with cheaper classifiers. Level 2 is considered for detection if the confidence of the level 1 classifier is below a predetermined threshold. The proposed study is not only concerned on accuracy but also on cost, because integrating many classifiers may not be possible due to the additional memory and computing requirements. In addition, the time to output is crucial for the practicality of a malware detection tool. So as to strike a balance between accuracy and cost, multilevel ensemble system with a modest number of classifiers has been considered.

## I. INTRODUCTION

After Trojans appeared in the 1950s, viruses emerged as the first type of self-replicating malware. Many viruses appeared in the years before the formalization efforts began; Elk Cloner (1982), Brain (1986), and Lehigh (1987) are the most well-known. As a result, attackers employed self-replication to automatically spread to new victims and deliver their malware. Yet not all malicious programmers are capable of replicating themselves, and vice versa. As time and technology progressed, viruses were replaced by other forms of malicious software. From 2001 through 2004, worms like Code Red in 2001 and Slammer in 2003 emerged and caused global epidemics [1]. Windows has the most viruses out of any operating system because it is used by the general public. In 2012, hackers launched a slew of attacks targeting Windows' many security holes; some reports put

the percentage of Windows 7 users infected with malware at 182%.

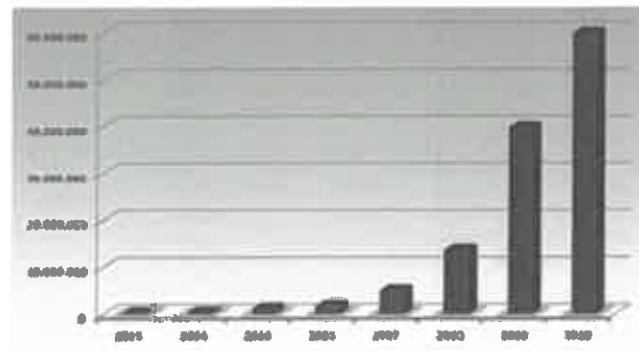


Fig. 1. Windows based Android Malware

Malware detectors are the major instruments for stopping malicious software. The effectiveness of such a detector is dependent on the method it employs [2]. At present, malicious code detection systems rely mostly on syntactic signatures, which are byte sequences that are unique to a certain processor. Two issues arise from taking this route.

Over the past few years, the Android platform has seen the introduction of numerous new malware detection techniques. Methods like this can be broken down into three broad categories: static analysis, dynamic analysis, and hybrid analysis. Machine learning algorithms are used extensively in these techniques due to their capacity to foresee dangerous behaviour in previously unknown data [3]. This thesis is inspired by the gaps in the state of static, dynamic, and hybrid Android detection algorithms based on machine learning. To detect malicious activity, static analysis methods use API calls, permissions, and intentions among other information collected from an application's source code [4]. In order to find the harmful component in the source code, static analysis procedures are used [5]. But some malicious programmes load their native code via the API System. abusing loadlibrary() to gain access to the runtime environment's vulnerabilities. These exploits in the runtime environment are undetectable by static analysis methods. Information gathered during an application's operation, such as system calls and network packets [6-9], can be analysed

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## Multiple convected conditions in Williamson nanofluidic flow with variable thermal conductivity: Revised bioconvection model

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The importance of bioconvection into the application of nanoparticles has had a significant impact on fundamental technological and industrial functions in recent years. These discussions are being carried forward by the bioconvection appearance on that flow by attracting nanoparticles into additional features on thermal radiation and activation energy. The investigation had been proposed on the appealing features of the mass and thermal convective boundary constraints. The high desirable subclass on rate-type fluid, especially Williamson fluid, was used to anticipate the absolute rheological parameters. The designated partial differential system was modified along with nonlinear ordinary differential equations applying enhance being related conversion, the designated partial differential system was modified along nonlinear ordinary differential equations. The governing equations are interpreted into ordinary differential equations, and in the following, shooting process was obeyed to build up the mathematical classification on the convert dimensionless flow problem. This value of physical restraint was displayed on the table and plots tests. This noted theoretical imitation could be highly successful in improving the solar energy systems and thermal extrusion processes. The outcomes reported that the rise in Weissenberg number and Hartmann number decreased the nanoparticles velocity distribution. The progressing temperature distribution was observed to develop radiation parameter and thermal conductivity parameter. That was further noted to modify bioconvection Lewis number and Peclet number that were reduced into motile microorganism distribution effectively.

**Keywords:** Williamson nanofluid; thermal conductivity; stretching cylinder; thermal radiation; motile microorganisms.

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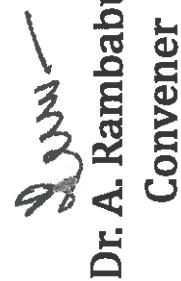
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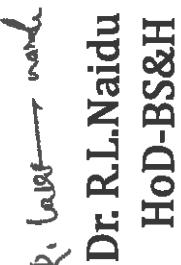
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### CERTIFICATE OF PARTICIPATION

**Dr.K.Lakshmi Sarada**

We are pleased to certify that

Asst. Professor

### DVR&DRHSMIC COLLEGE OF TECHNOLOGY

has actively participated in the Five Day Faculty Development Program on "RECENT ADVANCES IN ENGINEERING PHYSICS" (RAEP-2021) organized by the Department of BS&H(Physics) from 13.07.2020 to 17.07.2021.

**Dr. G. Srinivasa Rao**  
(HOD BS&H)

**Dr. P. Mohan Babu**  
(Convenor)

**Prof. G. V. SUBBA RAO**  
(Principal)

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Mr. & Dr. H.S. MC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180

# ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(A.I.B. Autonomous Institution)

R. Kommu, Telangana - 533201, Srikrishnam Dist., A.P.  
Approved by AICTE, Permanently Affiliated to JNTUK, Accredited by NBA & NAAC 'A+'.



## CONFERENCE ON IMPACT OF GENDER ON WOMEN

This is to certify that Dr/Mr./Ms. Tatliyasee, Assistant professor  
of DVR&Dr. HS MIC College of technology  
has actively participated in One Week Online **Women Development Program,**  
**"Impact of Gender on Women"**  
Organized by Department of Basic Science And Humanities and MBA during 1<sup>st</sup> to  
5<sup>th</sup> February 2022.

Dr. G. Vasanti  
Convenor

**Principal**

Dr. A. S. Srinivasa Rao





# International Seminar on Indian Mathematicians and their Contributions

(ISIMC-2022)

to commemorate the 135<sup>th</sup> birth anniversary of legendary Indian Mathematician

Srinivasa Ramanujan

Organized by

Department of Mathematics, School of Physical Sciences, Central University of Karnataka, Kalaburagi-585 367, India

## Certificate of Participation

This is to certify that Mr./Ms./Dr. B.Madhavi of Mic College Of Technology has participated in this seminar during 21-22, December 2022.

Dr. Sreenivasulu Ballam

Convenor

Dr. Deepak Samuel

Dean, SPS, CUK

PRINCIPAL  
JVR & Dr. HS MIC College of Technology  
Kanchikacherla, 585 367  
Andhra Pradesh, India



# International E-Seminar on Advances in Mathematical Sciences (ISAMS-2022)

March 14-16, 2022



Celebrations of International Mathematics Day

Organized by

Department of Mathematics, School of Physical Sciences, Central University of Karnataka, Kalaburagi-585 367, India

In Association With

Department of Mathematics, Sri Venkateswara University, Tirupati-517 502, India

## Certificate of Participation

This is to certify that Mr./Ms./Dr. B.Madhavi of MIC College Of Engineering, India has participated in three days International E-Seminar on Advances in Mathematical Sciences (ISAMS-2022) during March 14-16, 2022.

V.S. JUN  
\_\_\_\_

Prof. V. Sugunamma  
Convener & Organizing Secretary, SVU

Dr. Sreenivasulu Baslem  
Convenor & Organizing Secretary, CUK

B. Madhavi

VR & Dr. HS MIC College of Technology

Kanchikachela, N.T.R. Dt.

Andhra Pradesh, India – Pin: 521180

Dr. Deepak Samuel  
Dean, School of Physical Sciences, CUK

PRINCIPAL  
V. S. JUN  
\_\_\_\_



**BVRIT HYDERABAD**  
**COLLEGE OF ENGINEERING FOR WOMEN**  
APPROVED BY AICTE & AFFILIATED TO JNTUH, HYDERABAD  
ACCREDITED BY NBA | NAAC WITH GRADE "A"

A THREE DAY FACULTY DEVELOPMENT PROGRAMME

4 CS - THE NEED OF THE HOUR (CREATIVITY, THINKING, CREATIVITY, COLLABORATING & COMMUNICATION)

**E - CERTIFICATE OF PARTICIPATION**

Prof./Dr./Mr./Ms.

T. Jayasree

of DVR&Dr.HSMIC college of Technology, Kanchikacherla

has participated in A THREE DAY FACULTY DEVELOPMENT PROGRAMME from 8 June to 10 June 2022 organised by Department of Basic Sciences & Humanities (English), BVRIT Hyderabad College of Engineering for Women, Hyderabad, Telangana state, INDIA.

Dr. S. Ammani Reddy  
Convenor  
Dept. of BS&H, BVRIT

Ms. G.L.Sirisha  
Convenor

Dept. of BS&H, BVRIT

Dr. M Anita  
Professor & HoD  
Dept. of BS&H, BVRIT

Dr. KV N Sunitha  
Principal  
BVRIT HYDERABAD

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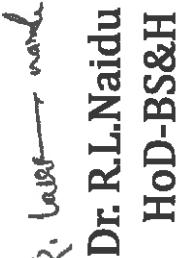
PRINCIPAL  
JVR & Dr. HS MID College of Technology  
Kinchikacherla, N.T.R. Dr.  
Andhra Pradesh, India - Pin: 521180



## Certificate of Participation

This is to certify that **Mrs. BVS PAVANI, Assistant Professor**, Department of BED, DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY has participated in a Five Day Faculty Development Program (Online) on **Nanomaterials For Sustainable Future** during 12<sup>th</sup> - 16<sup>th</sup> December, 2022 organized by Physics Division, Department of Basic Science and Humanities, GMR Institute of Technology, Rajam.

  
Dr. A. Rambabu  
Convener

  
Dr. R.L.Naidu  
HoD-BS&H



Dr. C.L.V.R.S.V. Prasad  
Principal



**PRINCIPAL**  
DVR & Dr. HS MIC College of Technology  
Kanchikachera, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521160

## Certificate of Participation

This is to certify that **P N V KISHORE, Assistant professor** , Department of **BED** , **DVR & Dr HS MIC COLLEGE OF TECHNOLOGY** has participated in a Five Day Faculty Development Program (Online) on **Nanomaterials For Sustainable Future** during **12<sup>th</sup> - 16<sup>th</sup> December, 2022** organized by **Physics Division, Department of Basic Science and Humanities, GMR Institute of Technology, Rajam.**



Dr. A. Rambabu  
Convener



Dr. R.L.Naidu  
HoD-BS&H



Dr. C.L.V.R.S.V. Prasad  
Principal



**PRINCIPAL**  
**DVR & Dr. HS MIC College of Technology**  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180

## Certificate of Participation

This is to certify that **V Sujatha, Asst professor**, Department of **BED**, **MIC college of technology** **kancikacharla krishna district** has participated in a Five Day Faculty Development Program (Online) on **Nanomaterials For Sustainable Future** during **12<sup>th</sup> - 16<sup>th</sup> December, 2022** organized by **Physics Division, Department of Basic Science and Humanities, GMR Institute of Technology, Rajam.**

  
**Dr. C.L.V.R.S.V. Prasad**  
Principal

  
**Dr. R.L.Naidu**  
HoD-BS&H

  
**Dr. A. Rambabu**  
Convener



# International Seminar on Indian Mathematicians and their Contributions

(ISIMC-2022)

to commemorate the 135<sup>th</sup> birth anniversary of legendary Indian Mathematician

Srinivasa Ramanujan

Organized by

Department of Mathematics, School of Physical Sciences, Central University of Karnataka, Kalaburagi-585 367, India

## Certificate of Participation

This is to certify that Mr./Ms./Dr. B.Madhavi of Mic College Of Technology has participated in this seminar during 21-22, December 2022.

Dr. Sreenivasulu Balicu

Convenor



Dr. Deepak Samuel

Dean, SPS, CUK



# International Seminar on Indian Mathematicians and their Contributions

(TSIMC-2022)

to commemorate the 135<sup>th</sup> birth anniversary of legendary Indian Mathematician

Srinivasa Ramanujan

Organized by

Department of Mathematics, School of Physical Sciences, Central University of Karnataka, Kalaburagi-585 367, India

## Certificate of Participation

This is to certify that Mr./Ms./Dr. Dandamudi Srilatha of DVR & Dr.HS MIC College Of Technology has participated in this seminar during 21-22, December 2022.

Dr. Sreenivasulu Ballam  
Convenor



Dr. Deepak Samuel

Dean, SPS, CUK



**KRISHNA UNIVERSITY, MACHILIPATNAM**  
*Research & Development & Dept. of Mathematics*

**ONE WEEK ONLINE FDP on "ENHANCING THE ACADEMIC AND INTELLECTUAL ENVIRONMENT IN THE HIGHER EDUCATIONAL INSTITUTES"**

**Certificate of Participation**

**This is to certify that Mr./Ms./Dr. B.Madhavi of Mic College of Technology has participated in One Week FDP on "Enhancing the academic and intellectual environment in the higher educational institutes" (online) organized by Research & Development & Dept. of Mathematics, Krishna University from 11th July 2022 to 16th July 2022.**

  
**Dr. K. Jayalakshmi**  
Director & HMD  
(Organizer)

  
**Prof. Y. AVASN Maruthi**  
(Principal)

  
**Dr. M. Rami Reddy**  
(Registrar)



**KRISHNA UNIVERSITY, MACHILIPATNAM**  
*Research & Development & Dept. of Mathematics*

**Azadi Ka  
Amit Mahotsav**  
**ONE WEEK ONLINE FDP on “ENHANCING THE ACADEMIC AND INTELLECTUAL ENVIRONMENT IN THE HIGHER EDUCATIONAL INSTITUTES”**

**Certificate of Participation**

***This is to certify that Mr./Ms./Dr. RAJESH VELAMA of DVR & Dr HS MIC College of Technology has participated in One Week FDP on “Enhancing the academic and intellectual environment in the higher educational institutes” (online) organized by Research & Development & Dept. of Mathematics, Krishna University from 11th July 2022 to 16th July 2022.***

  
**Dr. K. Jayalakshmi**  
Director & HMD  
(Organizer)

  
**Prof. Y. AVASH Maruthi**  
(Principal)

  
**Dr. M. Rami Reddy**  
(Registrar)

  
**PRINCIPAL**  
**DVR & Dr. HS MIC College of Technology**  
**Kanchikachora, N.T.R. Dt.**  
**Andhra Pradesh, India – 511 520**



**KRISHNA UNIVERSITY, MACHILIPATNAM**  
**Research & Development & Dept. of Mathematics**

**Azadi Ka  
Amit Mahotsav**  
**ONE WEEK ONLINE FDP on "ENHANCING THE ACADEMIC AND INTELLECTUAL ENVIRONMENT IN THE HIGHER EDUCATIONAL INSTITUTES"**

**Certificate of Participation**

*This is to certify that Mr./Ms./Dr. Rupalavanya Mandava of DVR&Dr HS MIC College of Technology has participated in One Week FDP on "Enhancing the academic and intellectual environment in the higher educational institutes" (online) organized by Research & Development & Dept.of Mathematics, Krishna University from 11th July 2022 to 16th July 2022.*

  
**Dr.K.Jayalakshmi**  
Director & HMD  
(Organizer)

  
**Prof. Y. AVASN Maruthi**  
(Principal)

  
**Dr.M.Rami Reddy**  
(Registrar)



**PRINCIPAL**  
**DVR & Dr. HS MIC College of Technology**  
**Kanchikachela, N.T.R. Dt.**  
**Andhra Pradesh, India – Pin: 531111**



## International E-Seminar on Advances in Mathematical Sciences (ISAMS-2022)

March 14-16, 2022



Celebrations of International Mathematics Day

Organized by

Department of Mathematics, School of Physical Sciences, Central University of Karnataka, Kalaburagi-585 117, India

In Association With

Department of Mathematics, Sri Venkateswara University, Tirupati-517 502, India

### Certificate of Participation

This is to certify that Mr./Ms./Dr. *Rajeshwari Mandava* of *DVR & Dr. HS MIC College Of Technology, India* has participated in three days *International E-Seminar on Advances in Mathematical Sciences (ISAMS-2022)* during March 14-16, 2022.



Prof. V. Sugunamma  
Curator & Organizing Secretary, SVU

Dr. Deepa Suresh  
Dr, Deepa Suresh  
Dean, School of Physical Sciences, CUK



PRINCIPAL  
DVR & Dr. HS MIC College of Technology,  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180



## International E-Seminar on Advances in Mathematical Sciences (ISAMS-2022)

March 14-16, 2022



Celebrations of International Mathematics Day  
Organized by

Department of Mathematics, School of Physical Sciences, Central University of Karnataka, Kukatpally-562 367, India

In Association with

Department of Mathematics, Sri Venkateswara University, Tirupati-517 502, India

### Certificate of Participation

This is to certify that Mr./Ms./Dr. **Rupalavanya Mondava** of **DVR & Dr. HS MIC College Of Technology, India** has participated in three days *International E-Seminar on Advances in Mathematical Sciences (ISAMS-2022)*, during March 14-16, 2022.

  
PRINCIPAL  
DVR & Dr. HS MIC College of Technology,  
Kanchikachheri, V.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180

  
Dr. **Sreenivasa Rao**  
Convener & Organizing Secretary, SWU  
Convener & Organizing Secretary, CUK  
Dean, School of Physical Sciences, CUK

Sri Venkateswara  
University