



**KASIREDDY NARAYANREDDY COLLEGE OF ENGINEERING & RESEARCH.**

(Approved by AICTE & Affiliated to JNTUH)

Abdullapur (V), Abdullapurmet (M), R.R Dist, 501505, Telangana, INDIA.

Email : [principal@knrcer.ac.in](mailto:principal@knrcer.ac.in) ; website: [www.knrcer.ac.in](http://www.knrcer.ac.in)

Date: 24-12-2020

REQUEST LETTER

TO,

Dr.P.Satish Reddy  
Associate Professor  
KNRCER.

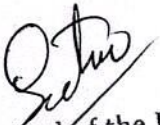
Sub: - Invitation Two days fdp on “Ms Excel”- Reg.


Dear Sir,

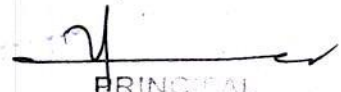
On behalf of Kasireddy Narayanreddy College Of Engineering & Research, I cordially invite you to Deliver 1 lecture on One days fdp on “Ms Excel” which will be held from 28/12/2020. I would be thankful if you share your expiries on the topic with our faculty.

I will be eagerly looking forward to hear from you and hope that you would accept our invitation for event.

B.Raghupathi  
Program Coordinator,  
Assoc. Professor  
Kasireddy Narayanreddy College of Engg. & Research  
Abdullapur (V), AbdullapurMet(V),R.R Dist, 501505  
Email Id: [cse.hod@knrcer.ac.in](mailto:cse.hod@knrcer.ac.in)

  
Head of the Department  
Computer Science & Engineering  
Kasireddy Narayanreddy College of Engg & Research  
Abdullapur (V), Abdullapurmet (M), R.R. Dist-501 505

  
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KASIREDDY NARAYANREDDY COLLEGE  
OF ENGINEERING AND RESEARCH  
Abdullapur (V), Abdullapurmet (M),  
R.R. Dist-501 505

  
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KASIREDDY NARAYANREDDY COLLEGE  
OF ENGINEERING AND RESEARCH  
Abdullapur (V), Abdullapurmet (M),  
R.R. Dist-



**KASIREDDY NARAYANREDDY COLLEGE OF ENGINEERING & RESEARCH.**

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Email : [principal@knrcer.ac.in](mailto:principal@knrcer.ac.in) ; website: [www.knrcer.ac.in](http://www.knrcer.ac.in)

**Date:** 26/12/2020

To,  
The Principal  
Kasireddy Narayanreddy College of Engineering and Research,  
Abdullapurmet,  
Ranga Reddy – 501505


**Subject:- one day Fdp on MS EXCEL**

Dear Sir,

We, the department of CSE of our college are planning to conduct one day Fdp on “**MS EXCEL**” which we are planning around 28/12/2020, We request your acceptance for conducting the event.

Thanking You,

Yours Faithfully,

  
HOD-CSE

Head of the Department  
Computer Science and Engineering

Kasireddy Narayanreddy College of Engineering & Research  
Abdullapur (V), Hyderabad (M), R.R. Dist-501 505

  
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KASIREDDY NARAYANREDDY COLLEGE  
OF ENGINEERING AND RESEARCH  
Abdullapur (V), Abdullapurmet (M),  
R.R. District-501 505.



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Date: 27/12/2020

## CIRCULAR

All the faculty are here by informed that a faculty development program is being conducted on the topic “Ms Excel” at our institution on 28/12/2020, in the department of CSE.

Venue: Ground floor Seminar Hall

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**REPORT ON Aspects one days fdp on Ms Excel\_28/12/2020**

Objectives of the FDP are Excel is a spreadsheet program from Microsoft and a component of its Office product group for business applications. Microsoft Excel enables users to format, organize and calculate data in a spreadsheet at our college.

In this FDP, “**Ms Excel**” is a part of the Microsoft Office and Office 365 suites and is compatible with other applications in the Office suite. The spreadsheet software is available for Windows, macOS, Android and iOS platforms.. Microsoft released Excel in 1985 under the name Microsoft Multiplan. Microsoft's spreadsheet program competed with similar products at the time, including Lotus 1-2-3 from the Lotus Development Corp

The function is inaugurated on 28/12/2020 by Hon'ble Chairman Dr.K.NARAYAN REDDY and Our Guest of Honor DR.P.Satish Reddy Asso, Prof. Department of CSE, KNRCER.B.Raghupathi, Coordinator of the FDP, non-teaching faculty members of the institute and participants.

  
**PRINCIPAL**  
KASIREDDY NARAYANREDDY COLLEGE  
OF ENGINEERING AND RESEARCH  
Abdullapur (V), Abdullapurmet (M),  
R.R. District-501 505.





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At the end of the FDPs, delegates are able to

1. Excel is most commonly used in business settings. For example, it is used in business analysis, human resource management, operations management and performance reporting.
2. Excel uses a large collection of cells formatted to organize and manipulate data and solve mathematical functions.
3. Users can arrange data in the spreadsheet using graphing tools, pivot tables and formulas.
4. The spreadsheet application also has a macro programming language called Visual Basic for Applications.

  
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“ONE DAY FDP ON Ms Excel” which will be held from 28/12/2020

## ATTENDANCE SHEET

S.NO	Name of the faculty	Designation	28/12/2020
1	Manasa	LAB ASST	P
2	G.Susmitha	LAB ASST	P
3	L.Susmitha	LAB ASST	P
4	M.Nagesh	LAB ASST	P
5	Meena	LAB ASST	P
6	Ravi	LAB ASST	P
7	SANKEERTH RANJAN	LAB ASST	P
8	CH.PRAVEEN	LAB ASST	P
9	M.SHAMINI	LAB ASST	P
10	P.RAMESH	LAB ASST	P
11	Ch.nagaraju	LAB ASST	P
12	N.Raju	LAB ASST	P
13	S Shiva Prasad	LAB ASST	P
14	B Arun kumar	LAB ASST	P
15	K.SRIVANI	LAB ASST	P
16	B venala	LAB ASST	P
17	N srikanth	LAB ASST	P
18	sripal reddy	LAB ASST	P
19	V vinod Kumar	LAB ASST	P
20	G raju	LAB ASST	P
21	RAKESH	LAB ASST	P
22	KARTHIK	LAB ASST	P
23	RISHI	LAB ASST	P
24	HARI PRASAD	LAB ASST	P
25	ANTONY RAJU	LAB ASST	P
26	NAGARAJU	LAB ASST	P

COORDINATOR  
*[Signature]*

HOD-CSE  
*[Signature]*

PRINCIPAL  
*[Signature]*


KASIREDDY NARAYANREDDY COLLEGE  
OF ENGINEERING & RESEARCH  
Abdullapur (V), Abdullapurmet (M),  
R.R. District-501 505.







# KASIREDDY NARAYAN REDDY COLLEGE OF ENGINEERING AND RESEARCH HYDERABAD CERTIFICATE OF PARTICIPATION

This is to certify that L. Susmitha from KNRCER  
attended Faculty Development Program on one day Fdp on MS EXCEL  
conducted by the Computer Science and Engineering Department from  
28/12/2020.

  
Coordinator

  
Head of the Department

  
PRINCIPAL  
KASIREDDY NARAYAN REDDY COLLEGE  
OF ENGINEERING AND RESEARCH  
HYDERABAD

  
PRINCIPAL  
KASIREDDY NARAYAN REDDY COLLEGE  
OF ENGINEERING AND RESEARCH  
HYDERABAD  
R.R. District-501 505.





KASIREDDY NARAYAN REDDY COLLEGE OF  
ENGINEERING AND RESEARCH HYDERABAD  
CERTIFICATE OF  
PARTICIPATION

This is to certify that G. Susmitha from KNRCEER  
attended Faculty Development Program on one day Fdp on MS EXCEL  
conducted by the Computer Science and Engineering Department from  
28/12/2020.

  
Coordinator

  
Head of the Department

  
PRINCIPAL  
KASIREDDY NARAYAN REDDY COLLEGE  
OF ENGINEERING AND RESEARCH

PRINCIPAL  
KASIREDDY NARAYAN REDDY COLLEGE  
OF ENGINEERING AND RESEARCH  
Abdullapurmet (V), Abdullapurmet (M),  
R.R. District-501 505.


Kasireddy Narayan Reddy College of Engineering and Research  
Abdullapurmet (V), Abdullapurmet (M), R.R. District-501 505






# KASIREDDY NARAYAN REDDY COLLEGE OF ENGINEERING AND RESEARCH HYDERABAD CERTIFICATE OF PARTICIPATION

This is to certify that Manasa from KNRCEER  
attended Faculty Development Program on one day Fdp on MS EXCEL  
conducted by the Computer Science and Engineering Department from  
28/12/2020.

  
Coordinator

  
Head of the Department

Computer Science & Engineering  
Kasireddy Narayan Reddy College of Engg & Research  
Abdulapur (V), Havasimadur (M), R.R. Dist-501 505

  
PRINCIPAL OF KASIREDDY NARAYAN REDDY COLLEGE  
OF ENGINEERING AND RESEARCH  
Abdulapur (V), Havasimadur (M), R.R. Dist-501 505.

KASIREDDY NARAYAN REDDY COLLEGE OF ENGINEERING AND RESEARCH  
Abdulapur (V), Havasimadur (M), R.R. Dist-501 505  
principal






**KASIREDDY NARAYAN REDDY COLLEGE OF  
ENGINEERING AND RESEARCH HYDERABAD**


**CERTIFICATE OF  
PARTICIPATION**

This is to certify that Ravi from KNRCE attended Faculty Development Program on one day Fdp on MS EXCEL conducted by the Computer Science and Engineering Department from 28/12/2020.

  
Coordinator

  
Head of the Department

Computer Science & Engineering  
Head of the Department  
Kasireddy Narayan Reddy College of Engg & Research  
Academy (M), Huzur Nagar (M), R.R. Dist-501 505

  
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Academy (M), Huzur Nagar (M),  
R.R. District-501 505

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Academy (M), Huzur Nagar (M),  
R.R. District-501 505





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ENGINEERING AND RESEARCH HYDERABAD  
CERTIFICATE OF**

**PARTICIPATION**

This is to certify that Meena from knrcer  
attended Faculty Development Program on one day Fdp on MS EXCEL  
conducted by the Computer Science and Engineering Department from  
28/12/2020.

  
Coordinator

  
Head of the Department  
Computer Science & Engineering

Kasireddy Narayanreddy College of Engg & Research  
Abdullapur (V), Hayathnagar (M), R.R. Dist-501 505

  
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This is to certify that M. Nagesh from KNRCER  
attended Faculty Development Program on one day Fdp on MS EXCEL  
conducted by the Computer Science and Engineering Department from  
28/12/2020.

  
Coordinator

  
Head of the Department  
Computer Science & Engineering  
Kasireddy Narayan Reddy College of Engineering and Research  
Abdullapur (V), Narachinagar (O), R.R. Dist-501 505

  
Principal  
Kasireddy Narayan Reddy College  
of Engineering and Research  
Abdullapur (V), Narachinagar (O),  
R.R. District-501 505





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Email : [principal@knrcer.ac.in](mailto:principal@knrcer.ac.in) ; website: [www.knrcer.ac.in](http://www.knrcer.ac.in)

Date: 11/05/2021

REQUEST LETTER

TO,

S.Varalakshmi  
Associate Professor  
KNRCER.

Sub: - Invitation 2 Days FDP On “Computer Hardware Training” 15/05/2021 - Reg.

Dear Sir,

On behalf of Kasireddy Narayanreddy College Of Engineering & Research, I cordially invite you to Deliver 1 lecture on 2 days FDP on “Computer Hardware Training” which will be held from 15/05/2021 to 16/05/2021. I would be thankful if you share your expiries on the topic with our faculty.

I will be eagerly looking forward to hear from you and hope that you would accept our invitation for event.

G.Venkatesh  
Program Coordinator,  
Assit. Professor  
Kasireddy Narayanreddy College of Engg. & Research  
Abdullapur (V), AbdullapurMet(V),R.R Dist, 501505  
Email Id: [cse.hod@knrcer.ac.in](mailto:cse.hod@knrcer.ac.in)

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**Date: 11/05/2021**

To,  
The Principal  
Kasireddy Narayanreddy College of Engineering and Research,  
Abdullapurmet,  
Ranga Reddy – 501505

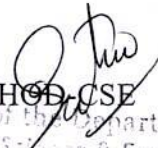
**Subject:- 2 days FDP on “Computer Hardware Training”**

Dear Sir,


We, the department of CSE of our college are planning to conduct **2 days FDP on “Computer Hardware Training”** which we are planning around 15/05/2021 to 16/05/2021, We request your acceptance for conducting the event.

Thanking You,

Yours Faithfully,

  
HOD CSE

Head of the Department  
Computer Science & Engineering  
Kasireddy Narayanreddy College of Engg & Research  
Abdullapur (V), Havathnagar (M), R.R. Dist-501 505

  
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**KASIREDDY NARAYANREDDY COLLEGE OF ENGINEERING & RESEARCH.**

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Abdullapur (V), Abdullapurmet (M), R.R Dist, 501505, Telangana, INDIA.

Email : [principal@knrcer.ac.in](mailto:principal@knrcer.ac.in) ; website: [www.knrcer.ac.in](http://www.knrcer.ac.in)

Date: 12/05/2021


CIRCULAR


All the faculty are here by informed that a faculty development program is being conducted on the topic **2 Days FDP On "Computer Hardware Training"** at our institution on 15/05/2021 to 16/05/2021, in the department of CSE.

Venue: Ground floor Seminar Hall

Copy To:

1. All HODs
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3. Civil
4. EEE
5. ME
6. ECE
7. CSE
8. H&S
9. IQAC

  
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PRINCIPAL





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## REPORT ON 2 daysvFDP on “Computer Hardware Training”

15/05/2021 to 16/05/2021

Objectives of the FDP are Computer hardware refers to the physical components that make up a computer system. There are many different kinds of hardware that can be installed inside, and connected to the outside, of a computer. Computer hardware may sometimes be seen abbreviated as computer hw at our college.

In this FDP, “**Computer Hardware Training**” Here are some common individual computer hardware components that you'll often find inside a modern computer. These parts are almost always found inside the computer case, so you won't see them unless you open the computer:

Motherboard

Central Processing Unit (CPU)

Random Access Memory (RAM)

Power Supply Unit (PSU)

Video card


Hard Disk Drive (HDD)

Solid-State Drive (SSD)

Optical disk drive (e.g., BD/DVD/CD drive)

Card reader (SD/SDHC, CF, etc.)

The function is inaugurated on 12-11-2018 by Hon'ble Chairman Dr.K.NARAYAN REDDY, and presence of Chief Guest of the Function. S.Varalakshmi Guest of Honor &Asso, Prof. Department of CSE, KNR Collage of Engineering. G.Venkatesh Coordinator of the FDP, NON-teaching faculty members of the institute and participants.

  
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At the end of the FDPs, delegates are able to

1. Computer has two major divisions that are hardware and software.
2. Hardware is the physical or tangible component of a computer that can be seen and touched
3. Software is the intangible component that cannot be seen by our eyes but they make the computer function
4. Hardware has further subdivisions as Input-output devices, secondary storage and other internal components
5. Both software and hardware need to be updated with time
6. Hardware updates means replacement of old hardware with the new
7. Both hardware and software has mutual interdependence that is one cannot function without the other

  
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“Computer Hardware Training” which will be held from 15/05/2021 to 16/05/2021

## ATTENDANCE SHEET

S.NO	Name of the faculty	Designation	15/05/2021	16/05/2021
1	Manasa	Lab. Asst	P	P
2	G.Susmitha	Lab. Asst	P	P
3	L.Susmitha	Lab. Asst	P	P
4	M.Nagesh	Lab. Asst	P	P
5	Meena	Lab. Asst	P	P
6	Sravva	Lab. Asst	P	P

  
CO-ORDINATOR

  
HOD, CSE

  
PRINCIPAL  
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KASIREDDY NARAYAN REDDY COLLEGE OF  
ENGINEERING AND RESEARCH HYDERABAD




CERTIFICATE OF  
PARTICIPATION


This is to certify that Meena from KWRCE  
attended Faculty Development Program on 2 days FDP on Computer  
Hardware Training conducted by the Computer Science and Engineering  
Department from 15/05/2021 to 16/05/2021

  
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KASIREDDY NARAYAN REDDY COLLEGE  
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Abdullapur (V), Abdullapurmet (M),  
R.R. District-501 505.



Coordinator

  
**Head of the Department**  
Head of the Department  
Computer Science and Engineering

  
**PRINCIPAL**  
KASIREDDY NARAYAN REDDY COLLEGE  
OF ENGINEERING AND RESEARCH

Kasireddy Narayan Reddy College of Engineering  
Abdullapur (V), Abdullapurmet (M), R.R. Dist-501 505

Abdullapur (V), Abdullapurmet (M),  
R.R. District-501 505.



KASIREDDY NARAYAN REDDY COLLEGE OF  
ENGINEERING AND RESEARCH HYDERABAD  
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PARTICIPATION



This is to certify that L. Susmitha from KNRCEP  
attended Faculty Development Program on 2 days FDP on Computer  
Hardware Training conducted by the Computer Science and Engineering  
Department from 15/05/2021 to 16/05/2021

**PRINCIPAL**  
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OF ENGINEERING AND RESEARCH  
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R.R. District-501 501

  
Coordinator

  
Head of the Department

  
Principal

Kasireddy Narayan Reddy College of Engineering and Research  
Abdullapur (V), R.R. Dist-501 501



KASIREDDY NARAYAN REDDY COLLEGE OF  
ENGINEERING AND RESEARCH HYDERABAD  
CERTIFICATE OF




PARTICIPATION

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attended Faculty Development Program on 2 days FDP on Computer  
Hardware Training conducted by the Computer Science and Engineering  
Department from 15/05/2021 to 16/05/2021

  
**PRINCIPAL**  
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OF ENGINEERING AND RESEARCH  
Abdullapur (V), Abdullapurmet (M),  
R.R. District-501 505.

  
**Head of Department**  
Computer Science and Engineering  
Kasireddy Narayan Reddy College of Engineering & Research  
Abdullapur (V), Abdullapurmet (M), R.R. Dist-501-505

  
**PRINCIPAL**  
KASIREDDY NARAYAN REDDY COLLEGE  
OF ENGINEERING AND RESEARCH  
Abdullapur (V), Abdullapurmet (M),  
R.R. District-501 505.





KASIREDDY NARAYAN REDDY COLLEGE OF  
ENGINEERING AND RESEARCH HYDERABAD  
CERTIFICATE OF

PARTICIPATION

This is to certify that Saanya from KVRCE  
attended Faculty Development Program on 2 days FDP on Computer  
Hardware Training conducted by the Computer Science and Engineering  
Department from 15/05/2021 to 16/05/2021

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OF ENGINEERING AND RESEARCH  
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R.R. District-501 505.

*[Signature]*

Coordinator

*[Signature]*

Head of the Department  
Computer Science & Engineering

*[Signature]*

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OF ENGINEERING AND RESEARCH

Kasireddy Narayan Reddy College of Engineering  
Abdullapur (V), Abdullapurmet (M), R.R. Dist-501 505

R.R. District-501 505.





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This is to certify that Mareesa from KNRRER  
attended Faculty Development Program on 2 days FDP on Computer  
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Department from 15/05/2021 to 16/05/2021

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R.R. District, Ranga Reddy District

Deep  
Coordinator

[Signature]  
Head of the Department

[Signature]  
PRINCIPAL  
KASIREDDY NARAYAN REDDY COLLEGE





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This is to certify that M. Nagesh from KNRCEER  
attended Faculty Development Program on 2 days FDP on Computer  
Hardware Training conducted by the Computer Science and Engineering  
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R.R. District-501 505.

*[Signature]*

Coordinator

*[Signature]*

Head of the Department

Abdullapur (V), R.R. Dist-501 505

Principal

PRINCIPAL

KASIREDDY NARAYANREDDY COLLEGE  
OF ENGINEERING AND RESEARCH





# FACULTY DEVELOPMENT PROGRAMME

ON

## ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

at

**KASIREDDY NARAYAN REDDY COLLEGE OF ENGINEERING AND RESEARCH**

in association with

**CCE, NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL**

**24 TO 28  
MAY 2021**

**WELCOME TO DELIGATES**

### Resource Persons

- Dr. Sai, Scientist at DRDO
- Dr. Manish Kumar, Scientist at DRDO
- Dr. Raju Bhukya, Assistant Professor at NIT - Warangal
- Dr. Shiva Kumar, Professor at Sonama State University
- Chandramohan, Soft. Engineer at K4U Infotech

### Coordinators

Dr. P. Sathish Reddy -  
Head of Department (HOD), CSE  
Phone- +91 92932 19676  
S. Varalakshmi -  
Faculty, Dept. of CSE  
Phone- + 91 97052 40780

**Importance of research  
in higher education by**

**Prof. N. V. Ramana Rao  
- Director, NIT Warangal**

**PRINCIPAL**

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OF ENGINEERING AND RESEARCH  
Abdullapur (V), Abdullapurmet (M),  
R.R. District-501 505.**



**KASIREDDY NARAYANREDDY COLLEGE OF ENGINEERING & RESEARCH.**

(Approved by AICTE & Affiliated to JNTUH)

Abdullapur (V), Abdullapurmet (M), R.R Dist, 501505, Telangana, INDIA.

Email : [principal@knrcer.ac.in](mailto:principal@knrcer.ac.in) ; website: [www.knrcer.ac.in](http://www.knrcer.ac.in)


**Department of Computer Science & Engineering-NITW  
Faculty Development Programme (FDP) on  
Artificial intelligence & Machine Learning**

**(24<sup>th</sup> May - 28<sup>th</sup> May 2021)**

**TENTATIVE SCHEDULE.**

Day -1 (Monday)	Importance of Research in Higher Education, Machine learning and deep learning application Classification of AI on various platforms Open CV for NLP platforms
Day -2 (Tuesday)	use cases of AI applications. Supervised and unsupervised learning . Advanced models of neural networks AI and neural networks in IoT applications.
Day -3 (Wednesday)	Fundamentals of particle swarm optimization . Ant colony optimization Neural networks.
Day -4 (Thursday)	CNN and RNN applications in Disease prediction. Artificial Neural Networks, Back propagation, Convolution Neural Networks with practical examples
Day -5 (Friday)	Health Insurance Prediction System using XGBoost + Catboost , Identify glomeruli in human kidney issue images . AI Applications.

Prof NV Ramana Rao, Director, NIT WARANGAL.	Dr. Shiva Kumar, Sonoma State, University-USA.	Manish Kumar, DRDO.
Prasad Kumar, Software Developer, B4U Solutions.	Chandra Mohan, K4U Infotech.	Dr. Raju Bhukya, Assistant Professor, NIT Warangal.

  
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### **GIAN Course Delivered:**

Successfully completed GIAN program of 2016: IoT sensors, devices and data Analytics Scheduled from Aug 8<sup>th</sup> to Aug 12<sup>th</sup> at NIT- Agartala.

[http://www.gian.iitkgp.ac.in/files/brochures/BR1464690043GIAN\\_IoT\\_brochure.pdf](http://www.gian.iitkgp.ac.in/files/brochures/BR1464690043GIAN_IoT_brochure.pdf)

Guest Lecture on "Internet of Things - Industrial environmental monitoring- Indian Institute of Technology, Kharagpur, India on August 16th, 2016.


IoT 101 workshop:

<http://www.remotemagazine.com/internetofthings/conference-workshop/>

GIAN Program, NIT-Warangal - "IoT - based Remote Water Quality Testing" - [Click here for details](#)

### **FDP Course Delivered ATAL (AICTE), NITTTR and Other Regional Engineering College**

<b>Title</b>	<b>Date</b>	<b>Location</b>
Internet of Things and Machine Learning (Faculty Development Program)	24th – 25th August 2020	NIT Warangal
Two Week Industrial Training Program/Refresher Course on Artificial Intelligence and Machine Learning (A Project based Learning)	22-July to 2-August,2020	National Institute of Technical Teachers Training and Research, Chandigarh
Two Week Industrial Training Program/Refresher course on Internet of Thing (A Project based Learning through Virtual IoT Lab)	July 8-19, 2020	National Institute of Technical Teachers Training and Research Chandigarh
National Workshop on Learning by Performing Through Virtual Lab	July 1, 2020	Dr. Ram Manohar Lohia Avadh University, Ayodhya (U.P.)
Workshop on IoT Organized by International Center for Advanced Research and Studies, New Delhi.	June 22-26, 2020	International Center for Advanced Research and Studies, New Delhi.
AICTE Training and Learning (ATAL) Program for Faculty Development on Block Chain.	June 15 - 19, 2020	Kurukshetra University, Haryana
FDP at Jawaharlal Nehru University, New Delhi. IoT, ML and Block Chain	2-June 2020	JNU  DELHI   INDIA
One-week faculty development program on Blockchain 22nd - 26th June 2020	22-26 June 2020	Department of Computer Science and engineering JNTUR Collage of


  
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		Engineering (RUTONOMOUS), Pullvendula.
AICTE Training and Learning Academy (ATAL) Online 5-Days FDP on Blockchain & its Applications	22nd to 26th June 2020	NIT Nagaland
Foundation to IoT Programming on Cloud Platform (Faculty Development Program)	25– 29 FEBRUARY 2020	GMIT, Davangere   Karnataka INDIA
Internet of Things (Faculty Development Program)	December, 2019	IIITDM-Kurnool, Andhra Pradesh, India
Internet of Things (Faculty Development Program)	November, 2019	Jayamukhi Institute of Technological Sciences, Telangana
Internet of Things (Faculty Development Program)	November, 2019	NIT Warangal, Telangana
One Week Workshop on Advanced IoT and its Application	September, 2019	Sharnbasva University, Kalburgi.
Workshop on " Blockchain Technology", E&ICT IIT Guwahati,	March 28 - 30, 2019	Assam Sikkim University, Gangtok, Sikkim
Internet of Things (IoT): Application in Smart Energy Management	May 25 <sup>th</sup> – 29 <sup>th</sup> 2020	Maulana Azad National Institute of Technology Bhopal
Blockchain Technologies	June 15- 19 <sup>th</sup>	FDP @ IIIT Vadodara, Gujarat
Data Science	June 22- 26th	Department of Electrical Engineering College of Technology and Engineering, MPUAT, Udaipur

**FDP Course Delivered: E&ICT Academy**

E&ICT Academy, NIT-Warangal - Faculty Development Program - "The Internet of Things" at JBREC, Hyderabad - [Click here for details](#)

E&ICT Academy, NIT-Warangal - Faculty Development Program at NIT-Warangal - [Click here for details](#)

  
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**OF ENGINEERING AND RESEARCH**  
 Abdullapur (V), At: G. Subburmet (M),  
 R.R. District-501 505.



# Report



## Faculty Development Program on “ARTIFICIAL INTELLIGENCE & MACHINE LEARNING”

**KASIREDDY NARAYAN REDDY COLLEGE OF ENGINEERING AND RESEARCH**

In association with

CCE, NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

Date: 24<sup>th</sup> May – 28<sup>th</sup> May 2021, Time: 10:00 am to 1:00 pm

The Five day faculty development program was conducted on topic “ARTIFICIAL INTELLIGENCE & MACHINE LEARNING” with an objective to help faculty to enhance skills during this period of lockdown.

**Course instructors:** Prof NV Ramana Rao, Director, NIT WARANGAL  
Dr. Shiva Kumar, Sonoma State, University-USA  
Manish Tiwari, DRDO.  
Dr D.Chandra Mohan, K4U Infotech  
D.Sai Kumar AI Developer ,DRDO  
Dr. Raju Bhukya, Assistant Professor, NIT Warangal

Course Content covered during the FDP are given below:

Day -1 (Monday)	Importance of Research in Higher Education,  Machine learning and deep learning application Classification of AI on various platforms Open CV for NLP platforms	Prof NV Ramana Rao, Director, NIT, WARANGAL  Dr. Shiva Kumar, Sonoma State University-USA
Day -2 (Tuesday)	use cases of AI applications. Supervised and unsupervised learning . Advanced models of neural networks AI and neural networks in IoT applications.	A Bharath Xtrans Solutions Pvt Lt Banglore
Day -3 (Wednesday)	Fundamentals of particle swarm optimization .Ant colony optimization Neural networks.	Manish Tiwari, DRDO.
Day -4 (Thursday)	CNN and RNN applications in Disease prediction. Artificial Neural Networks, Back propagation, Convolution Neural Networks with practical examples	Dr D.Chandra Mohan, K4U Infotech.
Day -5 (Friday)	Health Insurance Prediction System using XGBoost + Catboost ,Identify glomeruli in human kidney issue images .  AI Applications.	D.Sai Kumar AI Developer ,DRDO  Dr. Raju Bhukya, Assistant Professor, NIT Warangal.

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**Mode of conduction:** Virtual using Google Meet

**Course Objective:**

1. To provide a strong foundation of ... Use different **machine learning** techniques to design AI machine and enveloping applications.
2. The course overviews **machine learning** algorithms both supervised ... List the **objectives** and functions of modern **Artificial Intelligence**.

**Participants**

The FDP was attended by 100 faculty members from Kasireddy Narayanreddy College of Engineering and Research and from different other colleges.

**Assignments**

The assignments were given at the end of the session to allow participants to practice the tool and create videos accordingly.

**Feedback**

The survey was taken at the end of the workshop which included following five questions and asked to rate on the scale given (5. Strongly agree 4. Agree 3. Neutral 2. Disagree 1. Strongly disagree).

Q1: The instructor effectively explained and used time effectively.

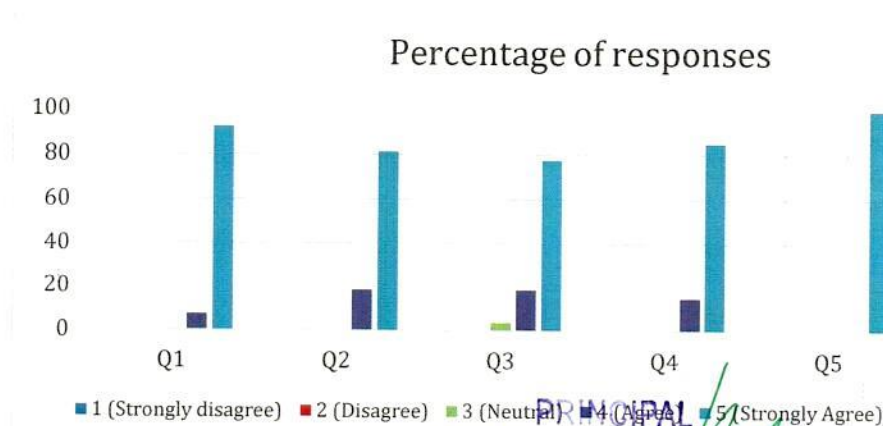
Q2: The instructor presented course material in a clear manner that facilitated understanding.

Q3: Course was well designed and adequate visual to make it more interesting.

Q4: Course help to develop knowledge and skills.

Q5: Environment was feel free to ask doubt and express views

Total 27 participants submitted feedback. The percentages of responses are shown in the graph below.






analysis shows that 90% to 100 % participants perceived that the instructors were able to effectively explain and demonstrate the tools and workshop content was useful in learning the tools presented.

**Photos**



  
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**R.R. District-501 505.**



**Prof. Shivakumar Mathapathi**

*Adjunct faculty at multiple Universities: UC- San Diego Extension, Santa Clara University, Sonoma State University and Ohlone College*

*Team Lead Global City team challenges hosted by National Institute of Standards & Technology, Under Department of Commerce, Washington DC, USA*

*Co-Founder - Dew Mobility Inc, CA, USA and Xtrans Solutions (p) Limited Bangalore.*

*Visiting faculty for Global Initiative for Academic Network (GIAN)*

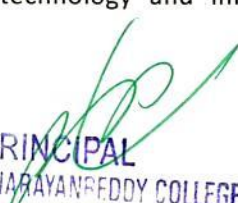
Professor Shivakumar Mathapathi is an adjunct faculty member at multiple universities including the University of California San Diego Extension, Santa Clara University, and he is also teaching at regional community academia including ethnically diverse institutions such as Ohlone and De-Anza College in California.

Prof. Mathapathi has been a passionate educator for nearly 25 years of industry experience with a strong desire to help faculty, research scholars in recognizing the connection between learning and Industry needs. He is an accomplished researcher and a co-founder of Dew Mobility Incorporated and Xtrans Solutions (P) Limited. His teaching and research areas include the internet of things, machine learning, artificial intelligence, cybersecurity, and Blockchain. He has also authored numerous articles published in prestigious journals, including IEEE, and various conferences, such as NIST Smart City projects.

He is the co-founder of Xtrans, which is a leading company in establishing center of excellence (CoE) to assist higher education to educate their students about the next generation internet research and development (R&D) programs.

Prof. Mathapathi is also a team lead of the education cluster at the Global City Team Challenge project in collaboration with National Institute of Standards and Technology (NIST), Under the U.S Department of Commerce. He is the key contributor in creating tutorials, workshop and practice use cases for smart cities. The workshop also discusses about IoT standards and protocol which would help; community partners and city/municipality staff to get familiar with national as well as international IoT standards.

Prof. Mathapathi received his MS degree in technology and innovation management from Northcentral University, California.

  
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**Paper publications and Workshop released:**

Co-author for IoT Course COEN 296, Computer Engineering Department, Santa Clara University  
<http://syllabi.engr.scu.edu/rkrause/COEN-296-Winter-2016-32687.xml>

Chair: "Role of Sensors in building IoT Systems "Sensor West – Jose -June 25<sup>th</sup>, 2019  
<https://sensorexpoconference2019.sched.com/event/MkN5>

Author and Instructor of workshop: How to Design a Smart City – IoT Technology based  
[https://fall.smartcitiesconnect.org/workshops/workshop\\_1.html](https://fall.smartcitiesconnect.org/workshops/workshop_1.html)

Co-author and architect for IoT enabled smart waste management systems. This project was performed in collaboration with Santa Clara University – MSIS faculty and students and National Institute of Standards and Technology (NIST), under the Department of Commerce, USA.

[https://gctc.opencommons.org/loT\\_based\\_waste\\_management\\_system-Smart\\_Garbage\\_Monitoring\\_System](https://gctc.opencommons.org/loT_based_waste_management_system-Smart_Garbage_Monitoring_System)

Co-author workshop paper - IEEE Global Humanitarian Technology conference scheduled on October 18<sup>th</sup>, 2018  
In San Jose California. Title of paper: IoT architecture for humanitarian services  
<http://2018.ieeeghtc.org/pages/iot-workshop>

Smart cities connect: How to Design a smart city connect – Scheduled on April 1<sup>st</sup> 2019 @ Denver  
[https://spring.smartcitiesconnect.org/workshops/how\\_to\\_design\\_a\\_smart\\_city.html](https://spring.smartcitiesconnect.org/workshops/how_to_design_a_smart_city.html)

Fall 2018: Smart cities connect was Scheduled on October 22<sup>nd</sup> in Tampa, Florida  
[https://fall.smartcitiesconnect.org/workshops/workshop\\_1.html](https://fall.smartcitiesconnect.org/workshops/workshop_1.html)

Certification Course for Industrial IoT (IoT) - Sensor Midwest scheduled on October 17<sup>th</sup>, 2018 in Rosemont, IL.  
<https://sensorsmidwest2018.sched.com/list/descriptions/type/Workshop>

Chair for IoT World Summit pre- event workshop


<http://iotna.com/schedule/cybersecurity-privacy-iot/>

[https://spring.smartcitiesconnect.org/workshops/workshop\\_1.html](https://spring.smartcitiesconnect.org/workshops/workshop_1.html)

<https://tmt.knect365.com/iot-world/agenda/1#workshop-2-iot-enabled-machine-to-machine-technologies-and-standards-by-ietf-oma-ipso-alliance-and-eclipse-foundation>

Paper accepted and presented Linux foundation - Open Networking Summit  
<http://events.linuxfoundation.org/events/open-networking-summit/program/schedule>

Connected City – How to Design a Smart City – IoT based (To be launched on March 28th, 2017  
<http://connectedcityusa.com/how-to-design-a-smart-city-iot-based/>

  
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R.R. Dist. 501 505.

IoT 101 workshop:

<http://www.remotemagazine.com/internetofthings/conference-workshop/>

Linux Foundation – paper accepted and presented: Open IoT summit

<http://events.linuxfoundation.org/events/openiot-summit/program/agenda>

National Institute of Standards and Technology (NIST): Global City Team Challenge:

<https://www.nist.gov/sites/default/files/documents/2016/10/21/gctcsuperclusteragenda.pdf>

The Open IoT Day on Feb 11th, 2015 Fraunhofer Institute, Karlsruhe, Germany

Assisted living projects using ARM technology for sensors and OpenIoT platform


<http://www.iosb.fraunhofer.de/servlet/is/53698/>

IoT West, Las Vegas – Nov 5th and 6th 2015 - Smart City Innovation

<http://www.remotemagazine.com/IoTWest/conference-sessions/>

Designers of Things – San Jose Convention Center – Dec 2nd and 3rd 2015. Smart City – Environment

<http://www.designersofthings.com/sanjose/scheduler/list>

  
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R.R. District: .....



# Teaching

- ❖ Good teaching is a product of basic teaching skills, common sense and a mastery of one's field.
- ❖ Some people are just good at teaching because they like it, care about it and are good communicators.
- ❖ Teaching courses is compulsory for faculty at all levels or for anyone

## seeking information

pradeep kumar has left the meeting

Sarathia S and 66 more

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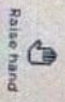


Meeting details  
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28°C Hazar 09:25 ENG 24-05-2021



Director NIT Warangal is presenting

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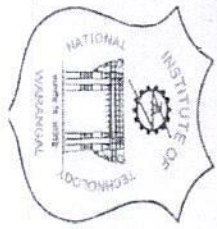
Participants: Ananika Singh, QJAS SATBHAI, BRILLIANT EGE, Praveen Gurgu, Onkar Gangaure, Vara Lakshmi, DR Raju Bhukya, Director NIT Waran...

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OF ENGINEERING AND RES...  
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**AND**  
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**ENGINEERING AND RESEARCH, HYDERABAD**



**Participation Certificate**

This is to certify that ASIFAHMED from KASIREDDY NARAYAN REDDY COLLEGE OF ENGINEERING AND RESEARCH attended Faculty Development Program on Artificial Intelligence and Machine learning conducted by the Department of *Computer Science and Engineering*, NIT WARANGAL from 24 - 05 - 2021 to 28 - 05 - 2021.

*Sathish*  
**Dr. P. Sathish Reddy**  
 Course Coordinator  
 KNRR, Hyderabad

*Raj*  
**Dr. Raju Bharya**  
 Course Coordinator  
 & CCE In charge

*Pradha*  
**Prof. P. Radha Krishna**  
 Head of the Department  
 Computer Science & Enge.

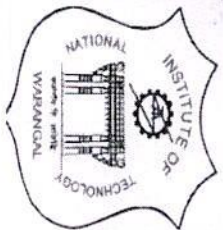
*Ashob*  
**Dr. N. Ashob Kumar**  
 Principal  
 KNRR Hyderabad

*N.V.V.*  
**Prof. N. V. Ramana Rao**  
 Director, NIT Warangal

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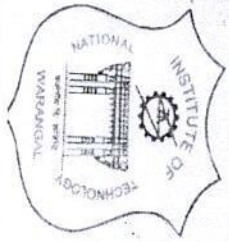
Participation Certificate

This is to certify that TEJAVATH BALAKRISHNA from KASIREDDY NARAYAN REDDY COLLEGE OF ENGINEERING AND RESEARCH attended Faculty Development Program on **Artificial Intelligence and Machine learning** conducted by the Department of **Computer Science and Engineering, NIT WARANGAL** from 24 – 05 – 2021 to 28 – 05 – 2021.

<b>Dr. P. Sathish Reddy</b> Course Coordinator KNRR, Hyderabad	<b>Dr. Raju Bhuthya</b> Course Coordinator & CCE In charge	<b>Prof. P. Radha Krishna</b> Head of the Department Computer Science & Engg.	<b>Dr. N. Ashok Kumar</b> Principal KNRR, Hyderabad	<b>Prof. N. V. Ramana Rao</b> Director, NIT Warangal

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 ENGINEERING AND RESEARCH, HYDERABAD**



Participation Certificate

This is to certify that RAGHUPATHI BANOTHU from KASIREDDY NARAYAN REDDY COLLEGE OF ENGINEERING AND RESEARCH attended Faculty Development Program on Artificial Intelligence and Machine learning conducted by the Department of Computer Science and Engineering, NIT WARANGAL from 24 - 05 - 2021 to 28 - 05 - 2021.

*Sathish*

**Dr. P. Sathish Reddy**  
 Course Coordinator  
 KNRR, Hyderabad

*Reju*

**Dr. Reju Bhuthya**  
 Course Coordinator  
 & CCE in charge

*P. Radha Krishna*

**Prof. P. Radha Krishna**  
 Head of the Department  
 Computer Science & Engg.

*Arshob Kumar*

**Dr. N. Arshob Kumar**  
 Principal  
 KNRR, Hyderabad

*N. V. Ramana Rao*

**Prof. N. V. Ramana Rao**  
 Director, NIT Warangal

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# Certificate

OF PARTICIPATION

THIS IS TO CERTIFY THAT

Mr. B. Raghupathi

Of CSE KNRRER has participated in  
One Week FDP ON "ICT ENABLED TOLLS FOR EFFECTIVE TEACHING  
-LEARNING PROCESS" from 22-02-2021 to 26-02-2021 Organized by  
Department of Electronics and Communication Engineering.



COORDINATOR



PRINCIPAL





# Certificate

OF PARTICIPATION

THIS IS TO CERTIFY THAT

Dr. P. Satish Reddy

Of CSE KNRCEP has participated in  
One Week FDP ON "ICT ENABLED TOLLS FOR EFFECTIVE TEACHING  
-LEARNING PROCESS" from 22-02-2021 to 26-02-2021 Organized by  
Department of Electronics and Communication Engineering.



COORDINATOR



PRINCIPAL



# Certificate

OF PARTICIPATION

THIS IS TO CERTIFY THAT

S. SRIDHAR REDDY

Of CSE at KNRCE has participated in  
One Week FDP ON "ICT ENABLED TOLLS FOR EFFECTIVE TEACHING  
-LEARNING PROCESS" from 22-02-2021 to 26-02-2021 Organized by  
Department of Electronics and Communication Engineering.



COORDINATOR



PRINCIPAL

