



(AUTONOMOUS)
HYDERABAD, TELANGANA

Department of Humanities and Sciences

Faculty of Mathematics Organizing

One Week Online Faculty Development Program

on

TAXONOMY OF SOFTWARES RELATED TO MATHEMATICAL SCIENCES

9 JUNE 2020 – 14 JUNE 2020



Dr. G. SRINIVAS

Associate Professor, HOD
Department of H&S
GNIT – HYD

9 June 2020 @ 4.00pm-5.30pm

Training on Mathematica Software

10 June 2020 @ 4.00pm-5.30pm

Applications of Mathematica in Engineering Mathematics



Dr. N. K. MOHANTY

Faculty
Department of Mathematics
IIIT - Bhubaneswar

11 June 2020 @ 4.00pm-5.30pm

Training on R – Software

12 June 2020 @ 4.00pm-5.30pm

Applications of R in Engineering Mathematics



G V K MADHAV

Systems Engineer
EG- R&D
Hewlett Packard Enterprise

13 June 2020 @ 4.00pm-5.30pm

GPU: Machine behind AI



Dr ABHISHEK RATHORE

Principal Scientist &
Team Leader(SBDM), ICRISAT
&



Ms ROMA RANI DAS

Manager (Data Curator)
SBDM, ICRISAT

14 June 2020 @ 10.00am-11.30am

Statistical Methods Using R



Inaugural Speech By,

Dr. J. PRAVEEN
Principal GRIET

HOD: Dr. B. SRINIVASA RAO (Dept. Of H&S)

CONVENOR: Dr. B R K REDDY (Professor, Dept. of H&S)

CO-CONVENOR: CH PHANI RAMA KRISHNA (Asst. Professor)

CO- ORDINATORS: S BHAGATH KUMAR (Asst. Professor)

Dr. V. N. RAMADEVI (Assoc. Professor)

G REVATHI (Asst. Professor)

V VINAY KUMAR (Asst. Professor)

ORGANIZING COMMITTEE: Faculty of Mathematics

Register for free through the link:

<https://forms.gle/Ht1NyDHHydMcVF8D6>

Link of telegram group for session links and FDP information:

<https://t.me/joinchat/QsS2kIX9uEkRlo2ttdzSmg>

***E – Certificate to all eligible participants**

Queries Contact: Team FDP @ phanirama.007@gmail.com

Note: Limited Registrations only

Install Telegram app

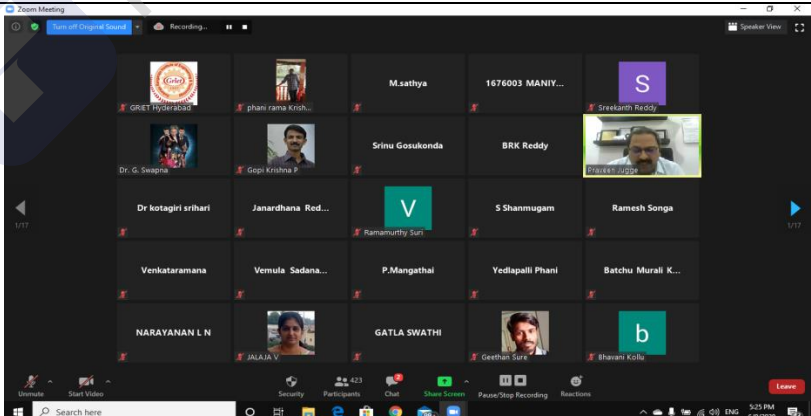


GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY (Autonomous)

Department of Humanities and Basic Sciences

EVENT SUMMARY REPORT

Griet/Other institutes/Organization Address:	GRIET				
Department	Mathematics H & S	Professional Body	Institutional Body		
Nature of the Event (Workshop / Seminar / Guest Lecture / Tech Talk/ FDP/GD/ Training Program / Quiz / Presentation/Conference/ Industry Visit/Any Co &Extra curricular Activities)	FDP				
Title / Theme of the Event	"TAXONOMY OF SOFTWARES RELATED TO MATHEMATICAL SCIENCES" 1.R software 2.Mathematica				
Details of the Convenor& Designation	B Rama Krishna Reddy, Professor in Mathematics				
Event Dates/Days	From 09-06-2020	To 14-06-2020	No. of Days 6		
Details of the Speaker / Guest Organization Address:	1. Dr. G. SRINIVAS, HOD of H&S, Guru Nanak Institute of technology ,HYD 2. Dr. N. K. MOHANTY, Faculty, Department of Mathematics, IIIT – Bhubaneswar 3. G V K MADHAV, Systems Engineer, EG- R&D, Hewlett Packard Enterprise 4.Dr ABHISHEK RATHORE,Principal Scientist & Team Leader(SBDM), ICRISAT & Ms ROMA RANI DAS, Manager (Data Curator), SBDM, ICRISAT				
Participants (Teaching Faculty / Non-Teaching Faculty / Students)	No. of Faculty 20	No. of UG students Nil	No.Of PG Students Nil	No. of outside participants 430	Total Participants 450

Faculty Names & Designation	Registration form attached
Summary of the Event	<p>Day-1 Training on Mathematica- Basic syntax and introduction to various consoles</p> <p>Day-2 Application of mathematica in Engineering mathematics topics</p> <p>Day-3 Training on R- Basic syntax and introduction to various consoles</p> <p>Day 4 Application of R in SVD and generating various graphs</p> <p>Day-5 General talk on Application of AI in machine learning</p> <p>Day-6 Application Of R in Generating graphs and Analyzing huge data available in real time world</p>
IRG (in rupees)	NIL
Expenditure (in rupees)	NIL
POs attained with this Event (number and description)	<p>PO (a): Apply knowledge of mathematics in software</p> <p>PO (d): Ability to function on multidisciplinary teams. PO (j) : Develop knowledge of contemporary issues.</p>
Photographs of the event (Hard copy and Soft copy)	
Proofs: 1.Certificates copies 2.Profile of Speaker 3.PPT/Material as applicable. etc.,	Profile of the speaker and program leaflet are enclosed.

Signature of Coordinator

Signature of HOD



Gokaraju Rangaraju Institute of Engineering and Technology

(AUTONOMOUS) HYDERABAD, TELANGANA

One Week Online Faculty Development Programme

On

"TAXONOMY OF SOFTWARES RELATED TO MATHEMATICAL SCIENCES"

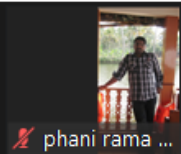
CERTIFICATE

This is Certify that **Dr.G.Shantha**, from **Mahathma Gandhi Institute of Technology** has attended One Week Online Faculty Development Programme on **"TAXONOMY OF SOFTWARES RELATED TO MATHEMATICAL SCIENCES"** during **9th June 2020 - 14th June 2020**.

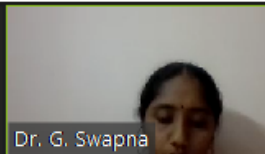
Dr B Rama Krishna Reddy
Convener

Dr B Srinivasa Rao
HOD - H&S

Dr J Praveen
Principal



phani rama ...



Dr. G. Swapna

Dean, Publicity



Sreekanth Reddy



Rama Raviku...



Recording...



One Week Online FDP on Taxonomy of Software's Related to Mathematical Sciences

sri

- | | | | | |
|----|---------------------------|--------|--------|--|
| SG | Srinu Gosukonda (Co-host) | | | |
| A | sridevi v | | | |
| SA | Srihari a | | | |
| SK | Srilatha Koneru | | | |
| | Srilatha S | | | |
| | Srinivasreddy ... | Unmute | More > | |
| SL | Sriramoju Lavanya | | | |
| | SRV SRIRAM | | | |
| VB | V B Srinivas | | | |
| KS | KASI SRINIVASA RAO | | | |
| MS | MANTHA SRIKANTH | | | |
| LS | Lavanya Srinat... | Unmute | More > | |
| SS | SEELOJU SRINIVAS CHARY | | | |
| | Tanniru Srinivssa Rao | | | |

Invite

Mute All

Unmute All

...



Search here



99+

Harika Burgula	 SUREKHA DHOK	Redmi Note 4	DDr.G.Shantha	SESHU VANI TH...
ESWARA SATYA...	KOPPALA SIDD...	Dr. MAGESWARI...	GADAMSETTY R...	Chellapriya K
 KIRAN Kumar	Vimhala. K	Rupa Lakshmi	 Rajni Bhargav	Varangal Shahin...
Bharatha rajaya...	gottu	 KKR RAO	 Muthyam Krishna	Dr.nnvsakuntala
 Suneetha Sangapatnam	 JAMPU ANJANE	SATYA GOPAL R...	Deepa A	 Matilda Shanthini

Dr. Shreekanta Dash raised hand



```

(* slide 16 *)
MatsForm[{{1, 2, 3}, {4, 5, 6}, {7, 8, 9}}] // MatsForm
MatsForm[M].
MatsForm[LowerTriangularize[{{1, 2, 3}, {4, 5, 6}, {7, 8, 9}}]]
M = M[{{1, 2, 3}, {4, 5, 6}, {7, 8, 9}}];
(* M = M + DiagonalMatrix[{{1, 2, 3}}]; *)
(* to get original MatsForm *)
M = MatsForm[M]

Output
{{1, 2, 3}, {4, 5, 6}, {7, 8, 9}}
MatsForm[{{1, 2, 3}, {4, 5, 6}, {7, 8, 9}}]
MatsForm[{{1, 2, 3}, {4, 5, 6}, {7, 8, 9}}]

(* slide 17 *)
M = MatsForm[{{1, 2, 3}, {4, 5, 6}, {7, 8, 9}}];

```

