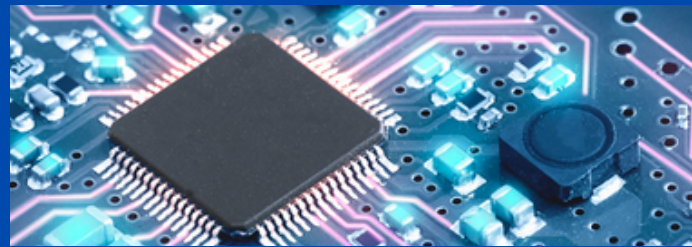




## A FIVE-DAY FDP ON

# “RECENT ADVANCEMENTS IN COMMUNICATIONS, DATA ANALYTICS & HYPERMESH USING AI TOOLS”



### Schedule

22nd to 26th April-2024

### Organized By

Department of ECE,

in Association with Department of Mechanical Engineering

Engineering & Technology Program,

Gayatri Vidya Parishad College for Degree and PG Courses (A),

Rushikonda, Visakhapatnam,

Andhra Pradesh.



### About GVPDCPGC(A)

Gayatri Vidya Parishad College for Degree and PG Courses (A) was established in 1989 offering B.A., B.Com., B.Sc. and B.B.A. with innovative and restructured combinations including Electronics and Computer Science, in addition to the traditional combinations. Post-Graduate courses were started from 1993-94 in various disciplines. Four programs under Engineering and Technology were added in 2011 with due recognition from AICTE and permanently affiliated to Andhra University. The laboratories are well equipped with up to date equipment and simulation softwares. The students are encouraged to perform experiments by dedicated team of faculty. All the courses are granted autonomy by Andhra University.

### About Department

The Department of Electronics and Communication Engineering (ECE) was established in the year 2011 with an intake of 60 as an undergraduate program of Engineering and Technology, The department is Accredited by NBA has 14 faculty out of which 4 are Ph.D's and are guiding 12 students towards their doctoral degrees.

### Vision of the Department

To achieve academic excellence and make significant contribution to the society through quality education and research in the field of Electronics and Communication Engineering.

### Mission of the Department

To empower the students with quality education, to achieve excellence in research to develop models that meet the needs of the society and to become team leaders with better communication skills ethics and social responsibility.

### Chief Patron

Prof. P. Srinivasa Rao,  
President, GVP

### Patrons

Sri. D. Dakshina Murthy,  
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Prof. K. P. R Sastry,  
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### Advisory Committee

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Principal , GVPDCPGC (A)

Prof. P.V. Vinay  
I/c Director - E&T, Dean Academics ,  
GVPDCPGC (A)

Mr. D. Giridhar  
Dean Career Guidance, T&P ,  
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HOD-ECE ,GVPDCPGC (A)

### Convener

Dr.V. Adinarayana Associate Professor

### Co-Convener

Mrs.K.Deepthi Assistant Professor

### Organizing Committee

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Dr.Ch.Manohar Kumar

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Mrs.G.Sowjanya Lakshmi

Mrs.P.N.S Sailaja

Mrs.A.Aruna

Mrs.V.Sridevi

Mr.E.Raju

Mrs.M.Tharangini

## About the FDP

- provide insights about the current developments in 5G technology, EMC, RCS, FEKO combined with Altair tools through machine learning
- provide some of the key ideas about research areas in communication and data analytics
- impart knowledge and train on fundamentals of Altair compose for doing Math operations
- provide some ideas about Altair EV, Altair, Hypermesh and optistruct

## Objectives of the FDP

Participants will

- get insights on Tools for Non-linear simulation and model based firmware development
- learn “**Compose**” which does math calculations, data manipulation & visualization, programming, debugging, and process management
- Familiarize on Data Analytics designed for different skill sets
- gain knowledge about High Frequency electromagnetic simulation applications, 5G-technology, EMI/EMC modeling, Bio-Electromagnetics and RF Devices
- acquire knowledge on Hypermesh, Optistruct which is useful for Mechanical Engineers

## Schedule of The FDP

### Day-1 (22-04-2024, Monday)

Prof.Venkata Mani.V, NIT Warangal

Topic: 5G Technology

Mode: Online

### Day-2 (23-04-2024, Tuesday)

Dr.Bala Dastagiri,

Techfluent Solutions,Pvt.Ltd

Topic: Altair Embed,Compose

Mode: Offline

### Day-3 (24-04-2024, Wednesday)

Dr.Anudeep Bellary,Altair

Topic:Altair FEKO

Mode:Offline

### Day-4 (25-04-2024, Thursday)

Dr.Bala Dastagiri,

Techfluent Solutions,Pvt.Ltd

Mr. Pratik Deshpande,Altair

Topic:Altair Data Analytics,Hypermesh &

Optistruct

Mode:Offline

### Day-5 (26-04-2024, Friday )

Dr.Sanjeev Sharma, IIT bhu Varanasi

Topic: 5G Technology

Mode:Online

### DISTINGUISHED SPEAKERS

Prof. G.Sasibhushana Rao,

Principal,AU.

Topic: Wireless Communication (offline)

Prof.S.Krishna Veni

Dept. of ECE GVPCDPGC(A)

Topic: Wearable Antennas (offline)

## Participation Certificate

Certificate of Participation will be given to the participants attending all the sessions

## Registration Details

- Registration Fee:  
Rs 500/-.
- Registration QR Code



Interested members can register (on or before 20th April 2024) using the link:

<https://forms.gle/JgaAhExsK43TksrGA>

## Selection

The seats are limited to 50 candidates on a first come first serve basis. The intimation regarding selection will be sent to the candidates by email.

## Beneficiaries

The Faculty / Ph.D Scholars / Industry Personnel

**For any further query, please contact:**

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