One Week National Online Faculty Development Program

on

MATHEMATICAL ELEMENTS IN ENGINEERING AND APPLIED SCIENCES

21st – 25th July, 2020

(Time: 11:00AM to 12:30 PM)

Organized by

**Department of Basic Sciences & Humanities
(MATHEMATICS)**

GAYATRI VIDYA PARISHAD
College of Engineering for Women

**Madhurawada, Visakhapatnam -530048
(Three B. Tech. Programs are Accredited by NBA,
Recognized by AICTE & Affiliated to JNTUK, Kakinada)**
Phone: 0891-2739144; Fax: 0891-2526639

Visit us at: www.gvpcew.ac.in

ABOUT THE INSTITUTION AND DEPARTMENT

Gayatri Vidya Parishad College of Engineering for Women is established under the aegis of Gayatri Vidya Parishad, an educational society founded by eminent academicians, industrialists, and Philanthropists of Visakhapatnam. To empower women in technological and engineering fields, the society has established this engineering college exclusively for women in the year 2008. It is a self-financed institution offering excellence in engineering education and is affiliated to Jawaharlal Nehru Technological University, Kakinada (JNTUK), approved by AICTE, New Delhi. The College is offering UG courses in ECE, EEE, CSE, IT and a PG Course in ECE. B. Tech programming in ECE, CSE, IT are accredited by NBA till 2022. The institute has very good infrastructural facilities, e-class rooms and well equipped laboratories. The college has well qualified faculty to train the women engineers who are in pursuit of their professional careers in the courses offered by the institute.

The Department of Basic Sciences and Humanities started from the inception of GVP College of Engineering for Women and it comprises of well experienced, enthusiastic and dedicated faculty possessing eleven doctorates and Five M. Phil awardees. The department is active in research and other activities that focus on enhancing global competencies by engaging the students in skill based activities. The Faculty of Mathematics are involved in a broad spectrum of research that includes Differential Geometry, Time-Series Analysis, Boundary Value Problems, Fluid Dynamics and Wavelet Transforms. Apart from these the faculty of the department have started Mathematical Sciences Club in 2014, with an objective that such clubs are essential to develop scientific temperament among the students of technical and engineering stream. The club has been playing an active role in developing scientific thinking among the students of the college.

THEME

Basic sciences refer to the disciplines of Physics, Chemistry and Mathematics play a vital role in modeling of engineering systems. The study of basic sciences enables the student to understand the natural phenomena since it explores knowledge and discovery of facts.

OBJECTIVE OF THE WORKSHOP

There exist different areas of mathematics which are applicable to define the physical significance of certain areas of Engineering and its allied fields. However, most of the researchers working on Mathematical problems

and Engineering streams understand the techniques, however, lack in applying them to the fields of their interest.

The objective of this program is to provide a stimulating and interactive forum to highlight the major developments in the field; in particular, to gain a better understanding of problems arising in different environment where the Mathematics is developed and applied. The topic is of utmost important to the faculty who are working in various Engineering and degree colleges and also to the Researchers of both Mathematics and Engineering fields.

To understand the process of applying the Mathematical tools to Engineering problems a one week National online FDP on "Mathematical Elements in Engineering & Applied Sciences" is being organized by the Department of BS & H, GVP College of Engineering for Women.

RESOURCE PERSONS

Date	Resource Persons
21/07/2020	**Dr. G. V. S. R. Deekshitulu** Professor & Head, Department of Mathematics JNTUK University, Kakinada
22/07/2020	**Dr. Y. V. Subba Rao** Associate Professor, School of Computer & Information Sciences University of Hyderabad.
23/07/2020	**Dr. V. Ravindranath** Professor of Mathematics & OSD to Vice-Chancellor JNTUK University, Kakinada
24/07/2020	**Dr. Om Prakash** Assoc. Prof.& Head, Department of Mathematics, IIT Patna
25/07/2020	**Dr. E. Kesava Reddy** Professor, Department of Mathematics, JNTUA, Ananthapur

WHO CAN PARTICIPATE?

All PG/Research Scholars/faculty of Mathematics stream and All Engineering Branches from AICTE/UGC approved Institutes/colleges can participate. E-certificates will be sent to all participants.

REGISTRATION

Each Participant can register to the FDP by paying an amount of Rs. 100/- through Google Pay/Phone Pay to 9866902309. As the maximum number of participants to attend the program is limited, the participants who are interested are requested to register at the earliest.

CHIEF PATRON
Prof. Dr. Ing. P. S. Rao, *President, Gayatri Vidya Parishad*

PATRONS
Sri. D.Dakshina Murthy, *Vice-President, Gayatri Vidya Parishad*
Prof. Dr. P. V. Sarma, *Vice-President, Gayatri Vidya Parishad*
Prof. Dr. P.Somaraju, *Secretary, Gayatri Vidya Parishad*

CO-PATRON
Prof. Dr. K.V.S. Rao, *Principal, GVPCEW*

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Dr. D.K. Bebarta, *HoD, IT, GVPCEW*

CONVENOR
Dr. K. L. Sai Prasad
Associate Professor & Head, Department of Mathematics, GVPCEW

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