



## One day Seminar on Innovations in Mechanical Engineering Design (IMED)

**Date: 27<sup>th</sup> April 2018**

**(On the occasion of the superannuation of  
Prof. R.V.Chalam)**



### Call for Registration and Participation

#### **Chairman:**

**Prof. P. Bangaru Babu**

#### **Coordinators:**

**Prof. A. Venu Gopal**

**Prof. N. Selva Raj**

**Prof. G. Amba Prasad Rao**

#### **Organized by**

**Department of Mechanical Engineering  
National Institute of Technology  
WARANGAL – 506 004  
Telangana State, INDIA**

### **About the Program**

Mechanical engineering is a diverse subject that derives its breadth from the need to design and manufacture everything from small individual parts and devices (e.g., microscale sensors and inkjet printer nozzles) to large systems (e.g., spacecraft and machine tools) making the subject more challenging. The role of a mechanical engineer is to take a product from an idea to the marketplace. Design is the most crucial step where the contribution of an engineer plays a significant role.

The one day seminar comprises of talk from experts in mechanical engineering design who would throw light into the recent innovations in this field. This seminar is organized on the occasion of the superannuation of Prof. R.V. Chalam the most experienced and revered faculty of the Mechanical Engineering department, as well as the entire institute of NIT Warangal. This program also includes a talk by Prof. R. V. Chalam on one of his innovations, “Steering Mechanism”, which has been patented.

### **Topics and Speakers:**

1. “*Innovation in Steering Mechanism*” by  
Dr. R. V. Chalam, Professor, NIT Warangal
2. “*Dynamic Considerations in Design*” by  
Dr. P. Seshu, Director IIT Dharwad
3. “*Composite Materials*” by Dr. N. N.Kishore,  
Professor Emeritus, IIT Tirupathi, (Retd. Prof.  
IIT Kanpur)
4. *Sri. G. Krishna Rao, Scientist ‘G’, RCI, Hyderabad*

### **About Prof. R.V. Chalam**

Prof. R. Venkata Chalam, Professor in the Department of Mechanical Engineering NIT Warangal, developed many indigenous teaching methods to teach topics in kinematics, dynamics, vibrations and design over a period of 40 years. He authored two books, one on *Mechanical Vibrations* and one on *Theory of Machines*. He also developed several novel and low-cost experiments to learn difficult concepts in dynamics of machinery by the students easily. Apart from being a popular teacher, he is an inventor with one patent.



**Receiving Best Teacher Award, 2016**

Prof. Chalam makes abstract things to be easily perceived by his simple and highly innovative methods. All his works are aimed towards this end. Prof. Chalam was a recipient of the best teacher award at NITW in the year 2016. Prof. R.V. Chalam was consistently ranked as the most popular teacher among Mechanical Engineering students. He has also been a great mentor for all the young faculty members of the department.

### About the Department and NIT Warangal:

The department of Mechanical Engineering offers a UG program, seven PG programs and a Ph. D program. There are 39 qualified and experienced faculty in the department. The department has liaison with reputed industries and R&D organizations. Presently the department is handling several R & D projects and consultancy works. The department has also been recognized as QIP centre for M. Tech and Ph. D.

NIT Warangal, was established in 1959. Over the years it has developed into a premier institute of higher learning and is ranked among the top technical education institutions in India. There are 14 Departments offering eight undergraduate and 32 post-graduate programs besides doctoral programs. About 5000 students across the country and about 500 international students study in the campus.

### About Warangal

Warangal is the second largest city of the new state of Telangana. It is situated at a distance of 140 km from the state capital Hyderabad (Nearest Airport). It is wellconnected by Rail (Kazipet Junction is two km away and Warangal Station is 12 km away) and by Road (NH 202). Warangal is renowned for its rich historical and cultural heritage. It was the seat of erstwhile 5th Kakatiya dynasty. It is a place of tourist attraction with a number of historical monuments like Thousand Pillars Temple, Warangal Fort, Bhadrakali Temple, Ramappa Temple and Laknavaram Lake.

### Information about speakers:

One of Prof.Chalam's most successful student, Dr.P.Seshu, who has nearly 30 years of experience in higher education and research in premier Institutes and currently the Director of IIT Dharwad (on deputation from IIT Bombay) is delivering a talk in the field of Dynamics in Design Considerations. Dr.N.N. Kishore, one of the contemporaries of Prof.Chalam during his studies at IIT Kanpur, a retired professor from IIT Kanpur and currently working as Professor Emeritus at IIT Tirupathi, will share nuances in the field of Composite Materials. Sri. G.Krishna Rao, Sc.G, RCI, Hyderabad, who was the first batch student of Prof.Chalam and also did his B.Tech. project with him in the year 1983, has also kindly agreed to be part of the program and share his knowledge.

### Registration is open to:

This program is open to the Faculty of Mechanical Engineering and Professionals from industry and R&D organizations.

### How to Apply:

Interested candidates may register by sending an email to [venu@nitw.ac.in](mailto:venu@nitw.ac.in) with the following details on or before 20th April 2018:

1. Name of the applicant:
2. Designation:
3. Organization:
4. Registration fee payment details:  
Ref. No.:  
Date:
5. Email and Contact details:

### Registration Fee:

Category	Industry	Academia
Fee with lunch per participant	Rs.5000	Rs.2000

### Fee Payment Details

Account Name	Mechanical Engineering Association, REC
Account Number	009410011003216
Bank	Andhra Bank
Branch	Fatima Nagar
IFSC code	ANDB0000094

### Contact details:

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