

ABOUT THE COLLEGE

R.M.K. Engineering College was established in the year 1995 by the Lakshmikanthammal Educational Trust. It is situated in the outskirts of Chennai city at Kavaraipettai, Gummidipoondi Taluk, Thiruvallur District, Tamil Nadu. The college is affiliated to Anna University, Chennai and has seven Under Graduate and three Post Graduate programmes in its ambit. In addition to this, seven departments of our institution have obtained Anna University approved research centers.

ABOUT THE DEPARTMENT

The Department of Science & Humanities (S&H) provides excellent academic ambience to succeed in an increasingly complex technological age.

The department consistently produces minimum 90% results and is placed at one of the top positions among the technical institutions in the state.

The Department has Mathematics, Physics, Chemistry, English and General Engineering under its canopy. The dedicated gamut of highly qualified and experienced faculty members is engaged in training the student's skills, requisite for a bright career. They have commendable achievements to their credit in the areas of research and publications.

Mathematics, Physics and Chemistry divisions of the Department have been approved as Research Centers by the Anna University. Senior faculty members of the Department are recognized Research Supervisors of Anna University, Chennai.

Our faculty members are publishing text books in reputed publishers like Pearson, McGraw Hill, Oxford, etc. and research publications in National and International journals.

Ninety percentages of Physics faculty members have obtained Ph.D degree from reputed universities like Anna University and University of Madras. The number of publications by our faculty in reputed Peer-reviewed international journals is more than 70. Most of the physics faculty members have got research supervisors recognition from Anna University. Also our department has Anna

University approved research center. Presently, four research scholars are pursuing their PhD in our department.

ABOUT THE COURSE

Physics is the back bone for the development of engineering and technology. The faculty needs to get sufficient insight in the latest aspects of physics to impart them to the students in effective manner. This, in turn, will help the students to grasp the basic concepts easily with relevant technological applications.

Learning fundamental concepts of physics will ultimately help the future engineers to comprehend the limitations of existing techniques which eventually lead to innovative improvements in design and fabrications of the equipments and devices.

INVITED SPEAKERS

- 1. Dr. K. Hariharan,**
Department of Mechanical Engineering,
IIT Madras, Chennai.
- 2. Dr.M.Venkata Ramanan,**
Department of Mechanical Engineering
Anna University, Chennai.

TOPICS TO BE COVERED

PROPERTIES OF MATTER:

- Stress-strain diagram and its uses
- Factors affecting elastic modulus and tensile strength
- Torsional stress and deformations
- I-shaped girders

THERMAL PHYSICS:

- Expansion joints
- Thermal insulation
- Heat Exchangers
- Refrigerators
- Oven
- Solar Water Heater

REGISTRATION

- Registration can be done through mail using the attached form. Spot registration is also available.
- E-mail: fdpphysics2018@gmail.com
- No TA/DA will be paid.
- Registration fee: Rs. 300/.

Participation Certificate will be issued by the Center for Faculty Development, Anna University, Chennai - 25

FOR ANY QUERIES:

Dr.S. ARJUNAN

Co-convenor-FDP

Dept. of Science & Humanities

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Website: www.rkmec.ac.in

E-mail:fdpphysics2018@gmail.com

Mobile No.: 9444118583

VENUE:



RJ Block - Seminar Hall
RMK Engineering College

Registration can be done on or before 16.08.2018

REGISTRATION FORM

Faculty Development Program
on
'Elastic and Thermal Properties
of Materials and its Applications'

18th August 2018

1. Name:
2. Designation:
3. Qualification:
4. Institution Name
5. Institution Address:
6. Email ID:
7. Contact No.:
8. Address for Communication:

Date:

Place: Signature of the Applicant

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Chairman

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Academic Coordinator

Dr. C. Chudalaimuthu Pillai

Emeritus Professor

CONVENOR

DR. S. PAVAI MADHESWARI

Professor & Head, Department of Science and
Humanities

CO-CONVENOR

Dr. S. ARJUNAN

Professor, Department of Physics

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Assistant Professor



**RMK ENGINEERING
COLLEGE**

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Faculty Development Program
on
'Elastic and Thermal Properties
of Materials and its Applications'

18th August 2018



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Organized by

**DEPARTMENT OF SCIENCE AND HUMANITIES
PHYSICS DIVISION**

**RMK ENGINEERING COLLEGE
KAVARAIPETTAI-601206
TAMIL NADU.**