

ABOUT THE INSTITUTION

R.M.K. Engineering College has, over the last 24 years, striven to achieve a coveted position in terms of imparting knowledge and discipline among students and in terms of public acknowledgement and acceptance. Today, we have progressed to a stage where we are recognized as one of the top performing private Engineering Colleges under Anna University and have earned several laurels at the national level including the coveted Bharatiya Vidya Bhavan Best Engineering College award for "Excellence in Performance", in the year 2008 and awarded the Best Industry Linked Computer & IT Allied Engineering Institute by AICTE-CII 2018. RMKEC has been ranked 157th position in NIRF ranking, under the Engineering Institutes category in the year 2019 and accredited by NAAC with A+ grade for 5 years. NAAC has approved our Institution to mentor 10 Institutions for NAAC Accreditation. All the UG programs are accredited by NBA. Our Institution has been shortlisted to Establish Institution Innovation Council (IIC) MIC, MHRD, Govt. of India. RMKEC has been ranked 6th position across the country in SWACHHTA 2017 by MHRD, Govt. of India.

ABOUT THE DEPARTMENT

The Department is accredited by NBA for five years for 2 continuous terms and presently provisionally accredited for three years. The Department is recognized as a research Centre by Anna University, Chennai. In the survey conducted by AICTE-CII during 2017, the department is one among top 3 colleges at the national level. The department has state of the art facilities in the areas of Power Electronics, Electric Drives, Control Systems and Power Systems and is constantly upgraded to suit with the current trend.

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Patrons

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Dr. GEETHA RAMADAS (Professor/HoD/EEE)

Co-ordinator

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Dr. N.M.JOTHI SWAROOPAN, Prof/EEE/RMKEC

Dr. T.MAGESH, Prof/EEE/RMKEC

Dr. S.ANITA, Associate Prof/EEE/RMKEC

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Dr. K.SENTHIL KUMAR, Prof & Head/Mech, RMKEC

Dr. C.CHELLAMUTHU, Professor, EEE,RMKEC

Dr Y SUKHI, Prof/EEE, RMKEC

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Mr. M Thiyagesan, Asst. Prof/EEE/RMKEC

Ms. Sabari.L.Umamaheswari, Asst. Prof/EEE/RMKEC

Ms. M.Perarasi, Asst. Prof/EEE/RMKEC

RESOURCE PERSONS

Experts from industries and R&D laboratories, experienced faculty of RMK Engineering College and other premier institutions will handle the sessions.



R.M.K.



ENGINEERING COLLEGE

(Affiliated to Anna University, Chennai / Approved by AICTE,
New Delhi, Accredited by NAAC with A+ Grade
All the UG Programs are accredited by NBA, New Delhi.)

**"ALL INDIA COUNCIL FOR
TECHNICAL EDUCATION [AICTE]"**
sponsored

**One week Short Term Training
Programme on**

**"DESIGN AND
DEVELOPMENT OF
POWER ELECTRONICS
CONVERTERS ON
RENEWABLE ENERGY
CONVERSION"**

Organized by
**DEPARTMENT OF ELECTRICAL AND
ELECTRONICS ENGINEERING**

From 21st June 2019 to 27th June 2019



ABOUT THE PROGRAMME

There is a rapid increase in global energy consumption. In order to meet this demand, distributed generation (DG) employing renewable energy sources such as wind, solar and fuel cells has gained significant momentum. All the renewable energy systems require specific power electronic converters to convert the power generated into useful power that can be directly interconnected with the utility grid and/ or can be used for specific consumer applications locally. The roles of these power converters become very critical. Since power converter/inverter is the interface of the distributed power system, any premature failure of such system will make the entire system non-operative and thus need to be selected appropriately. These power converters need to be selected and designed optimally in order to provide maximum energy efficiency, ensuring reliability and safety of the overall system, required for different applications. This training program will give a deep knowledge to the professionals about the emerging trends in the power electronic converters used for renewable energy conversion.

Objective:

- To explain very clearly the Role of Renewable Energy in sustainable development
- To provide training to simulate power electronic converter circuits for renewable energy
- To solve the Problems related to renewable energy generation and grid connection

COURSE CONTENTS

The Programme is designed to cover the following topics in depth by expert lectures and industrial visits.

1. Basics of Power Electronic Converters in Renewable energy conversion
2. Design of DC-DC converters for SOLAR systems
3. Design of AC-DC converters for WIND systems
4. Design of AC-DC converters for renewable energy systems
5. Hybrid battery management system
6. Design of intelligent controllers for energy management system
7. Recent developments in power electronic converters for renewable energy conversion
8. Study about the energy efficiency and power quality in Renewable energy conversion

REGISTRATION FEE: NIL

Free for the Faculty members working in AICTE approved Engineering /Polytechnic colleges. Filled registration form can be sent along with DD for Rs.1,000/- in favour of "THE PRINCIPAL, RMK ENGINEERING COLLEGE", towards registration confirmation fee. (Refundable at the end of STTP)

ACCOMADATION:

May be arranged on request outside the institution.

ADDRESS FOR COMMUNICATION

Dr. Y. Sukhi

Professor /EEE

RMK Engineering College, Kavaraipettai
Gummidipoondi Taluk-601206, Tamil Nadu.

Direct line: 044-67906660

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E-mail ID: ysi.eee@rmkec.ac.in

Website: www.rmkec.ac.in

[CLICK HERE FOR REGISTRATION](#)

REGISTRATION FORM*

AICTE sponsored STTP on
"DESIGN AND DEVELOPMENT OF
POWER ELECTRONICS CONVERTERS ON
RENEWABLE ENERGY CONVERSION"

From 21st June 2019 to 27th June 2019

NAME:

QUALIFICATION:

DESIGNATION:

DEPARTMENT:

ORGANIZATION:

ADDRESS FOR COMMUNICATION:

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TEACHING EXPERIENCE:

CONTACT NO: (Mobile).....

(Whatsapp).....

EMAIL ID:

PLACE AND DATE:

SIGNATURE OF THE CANDIDATE

SPONSORING AUTHORITY/PRINCIPAL/HEAD OF THE
DEPARTMENT