

DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the course for the entire duration. I also under take the responsibility to inform the coordinator in case I am unable to attend the course.

Place :
Date :

Signature of the applicant

SPONSORSHIP CERTIFICATE

Mr./Ms./Dr. _____

_____ is an employee of our Institute / Organization and is here by sponsored by us. He / She will be permitted to attend the course, if selected.

Office Seal

Signature of
the sponsoring authority

Place :
Date :

Application form completed in all respects is to be sent to:

Mr. K. SUGANESWARAN

Assistant Professor
Department of Mechatronics Engineering,
Kongu Engineering College,
Perundurai, Erode – 638 060, Tamilnadu.
Ph: 9788115198, 9443496187
Tel: 04294 -226720
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ABOUT THE COLLEGE

Kongu Engineering College (KEC) established in 1984, approved by AICTE, New Delhi, accredited by NAAC for 5 years with the grade of “A” and an autonomous institution affiliated to Anna University Chennai, has completed 34 years of dedicated and excellent service in the field of technical education. The college offers 14 UG, 19 PG and 16 research programmes in Engineering and Applied Sciences. It is one of the best self financing engineering colleges imparting high quality technical education in Tamil Nadu, India, and is well-known for its technical excellence, modern facilities, record of performance with excellent results and enterprising students. Ranked 2nd Position in Tamilnadu and 26th position in India among Engineering Institutes in India (including IITs and NITs) by CSR Magazine. Ranked 1st Position in Tamilnadu and 39th position at all India level by “Outlook” magazine, 3rd Position in Tamilnadu and 32nd Position in private Engineering colleges in India by “The Week” Magazine. Ranked 99th position among all Engineering Institutions in India including premier institution like IITs, NITs, etc., by NIRF ranking. It has an active Industry-Institute Partnership (IIP) Cell to interact with industries. Received Sustainable Institute Industry Partnership Award consecutively for two years (2014 & 2015) from the Institution in Society for Educational and Entrepreneurship Development, Chennai. It has got NBA accreditation for most of the UG programmes and is an ISO certified institution. It has also got the Best Engineering College award and the Best Principal Award from ISTE. It has established a Technology Business Incubator (TBI) supported by the Department of Science and Technology, Government of India, and won the National Award presented by the President of India on Technology Day in New Delhi. Kongu Engineering College has been awarded as the Most Clean Campus for the Year 2017 by AICTE.

ABOUT THE DEPARTMENT

Department of Mechatronics Engineering accredited by NBA for 3 years, occupies a prominent place in the records of its academic history. The department has liberally been producing efficient engineers with outstanding academic and overall performance. The department has experienced faculty members with different specialization in Mechatronics and Mechanical engineering.

ABOUT THE LOCATION

The college is situated at Perundurai on the National highway (NH 47) about 80 Kilometers from Coimbatore and 20 Kilometers from Erode. It is well connected by road & rail.

KONGU ENGINEERING COLLEGE

(Autonomous)

PERUNDURAI, ERODE – 638060

TAMILNADU



CSIR Sponsored National Seminar

on

“MICROMACHINING – CHALLENGES AND OPPORTUNITIES IN DIGITAL MANUFACTURING”

05.07.2019 & 06.07.2019

Organising Secretary

Dr. R.Parameshwaran

Co-ordinators

Dr.V.G.Pratheep

Mr.K.Suganeswaran



Estd : 1984

Organized by



Department of Mechatronics Engineering
School of Building and Mechanical Sciences

KONGU ENGINEERING COLLEGE

Perundurai – 638060, Erode, Tamilnadu

Tel. : 04294 -226720

Ph. : 9865919915

Website : www.kongu.ac.in

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INTRODUCTION

In the digital manufacturing era, many industries such as aerospace, automotive, micro electromechanical systems (MEMS), optics, electronics, biotechnology, and communications require manufacturing of small parts having micro scale features. In order to realize miniature components, two groups of micro fabrication techniques have been developed: micro-system technologies (MST, mask-based fabrication of MEMS (micro-electromechanical system) and integrated circuits) and micro-engineering technologies (MET, tool-based micro-machining techniques). The non-traditional machining technologies such as micro-electrical discharge machining (μ -EDM), laser machining, micro-electro-chemical machining (μ -ECM) or a combination of these processes known as hybrid processes, such as EDM/ECM, ultrasonic assisted EDM (US/EDM), etc.. These techniques have been emerged as a promising technology for the fabrication and realization of miniaturized components from different engineering materials. These processes are environmental friendly and also economically suitable for the fabrication of small batches or single products and prototypes.

This seminar will enlighten the researchers, academicians and industrial organizations with new thoughts on Micromachining and explore the challenges and opportunities in the digital manufacturing era.

COURSE SCHEDULE

Date	KEY NOTE SPEAKERS & TOPICS
05.07.2019	"Micro Fabrication Processes" by Dr. N Balashanmugam, Joint Director, CMTI, Bangalore
	"High Performance Micro Machining through Sensor Integrated Data Analysis" by Dr.N. Arunachalam, Professor, IITM.
	"Water Jet Machining" by Dr.K.Sasi Kumar, Associate Professor, KEC.
06.07.2019	"Wire Electric Discharge Grinding of Micro tools " by Dr.V. Krishnaraj, Professor, PSG Tech. CBE.
	"Lasers in Manufacturing" by Dr.M. Duraiselvam, Professor, NIT Trichy.
	"Friction Stir Processing" by Mr. K.Suganeswaran, Assistant Professor, KEC.

ELIGIBILITY

Researchers, Faculties from Engineering Colleges, Polytechnics, Engineering universities and Candidates from related industries and R&D organization can participate in the seminar.

Accommodation will be provided to selected candidates in the college campus on prior request on prorata basis.

REGISTRATION:

Free for AICTE Approved Institutions and CSIR Scientists

HOW TO APPLY

The applicants should send their applications in the specified format through their Principals / Sponsors so as to reach us on or before 27.06.2019. If selected, they should confirm their participation in time.

SCHEDULED DATES

Last date for receipt of Applications : **28.06.2019**

Intimation of selection : **01.07.2019**
(By e-mail only)

Confirmation by Participants : **03.07.2019**

Application form completed in all respects is to be sent to:

The Co-ordinator,
National Seminar on
" MICROMACHINING - CHALLENGES AND OPPORTUNITIES IN DIGITAL MANUFACTURING "

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"MICROMACHINING - CHALLENGES AND OPPORTUNITIES IN DIGITAL MANUFACTURING"

05.07.2019 & 06.07.2019

APPLICATION FORM

Name :

Age :

Designation :

Organization :

Address for

Communication:

(With telephone no.

& E-mail ID)

Qualification :

Experience :

Teaching : _____ Years

Research : _____ Years

Accommodation required: Yes / No