Registration form

Advanced Embedded System and Microelectronics

(AESM-2016)

Name: ……..

Designation: ……..

Organization: ……

Qualification: ……

Mailing Address: ……..

Phone/ Mobile : ……..

Email: ……..

Demand Draft particulars:

Issuing Bank: ……...

DD No.: …….. Date: ……

Signature of candidate: ……..

Date: ……

Please tick if you desire to avail accommodation: ☐

(Limited accommodation is available in the students hostel and guest house of the Institute)

Please fill-in and return this form along with registration fee to the correspondence address by 12 July 2016. You can send the scanned copy of registration form and DD by email in advance.

Patron: **Director**
MNNIT Allahabad

Chairman: **Prof. V K Srivastava**
Head, ECED

Coordinators:

Prof. V K Srivastava
Professor , ECE Department

Dr. Sanjeev Rai
&
Dr. Arvind Kumar
Assistant Professor
Department of Electronics & Communication Engineering
MNNIT Allahabad

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Faculty Development Program

On

Advanced Embedded System and Microelectronics

(AESM-2016)

July 14 - 20, 2016

Prof. V K Srivastava
Dr. Sanjeev Rai
Dr. Arvind Kumar
(Coordinators)

Organized by

Electronics & Communication Engineering Department,
Motilal Nehru National Institute of Technology, Allahabad-211004

MNNIT Allahabad

MNNIT Allahabad was established in 1961 and is one of the premiere engineering institutions in the country. It offers B. Tech. programmes in nine branches of engineering and technology, M.Tech. programmes in twenty disciplines, MCA, MBA, M. Sc. (Mathematics and Scientific Computing), Master of Social Work (MSW) and Ph.D. programme in all branches of engineering, science and management.

The city of Allahabad is situated on the banks of the rivers Ganga,Yamuna and the invisible Saraswati. The confluence of the three rivers is popularily known as 'Sangam'. Allahabad is directly connected to all the important cities.

Electronics and Communication Engineering Department

The Electronics & Communication Engineering Department offers one undergraduate program in Electronics & Communication Engineering and Three post graduate programmes. Besides this the department is also QIP (Quality Improvement Program) center for M.Tech and Ph.D programs. The Department has highly qualified and competent faculty members in the areas of Microprocessor and Microcontrollers, Digital Signal Processing, Data Communications & Networking,

Expected participants' profile

PG Students, Research Scholars, Faculty Members and Researchers in science and allied field, as well as industry persons interested in getting exposure to the Advanced Microcontrollers and Microelectronics tools.

Registration fee

Rs. 1000/- : Research Scalars/Students

Rs. 1000/- : Faculty members

Rs. 2000/- : Participants form Industry

Payable by Demand Draft in favour of "AESM-2016'' payable at Allahabad / in Cash.

Accommodation

Limited accommodation is available in the Students Hostel and Guest House (EDC) of the Institute on payment basis.

Important Dates

Start of Application : 18th June 2016

Last date of Application by e-mail: 08th July 2016

Last date of Receipt of Application along with registration Fee (Hard Copy): 12th July 2016

Acceptance by e-mail/phone : 13th July 2016

Spot Registration : 14th July 2016 (Subject to availability of seats)

Course Contents

Embedded Systems:

The Microcontrollers : Architecture, Instruction sets, Interfacing Input/output Devices , ADC/DAC etc. Programming in Assembly and C. UART, I2C Bus Serial I/O controller, SPI Serial I/O controller, SSP Serial I/O controller, General purpose timers / Event counters, Watch Dog Timer (WDT), Real Time Clock (RTC), Different Interfacing modules.

Advance Microelectronics:

Microelectronics & its evolution, Introduction to VLSI Technology, NMOS, CMOS and their comparison Concept of Sheet Resistance and Standard unit of capacitance applied to MOS devices, Concept of Power Dissipation and delay, Domain Description, design strategies, Testability, VLSI for signal processing .