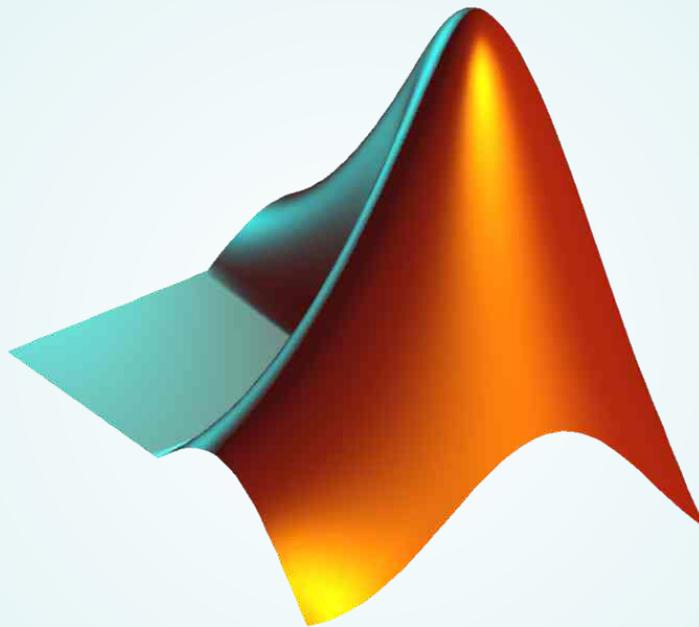




SRMS

FACULTY DEVELOPMENT PROGRAM



MATLAB Tools and its application

24th - 28th July, 2018

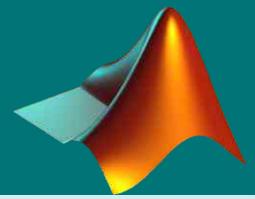
Organized by :

Department of Computer Science & Information Technology
Shri Ram Murthi Smarak College of Engineering & Technology, Bareilly

Sponsored by

TEQIP III & Dr. A.P.J. Abdul Kalam Technical University,
Lucknow, Uttar Pradesh

FACULTY DEVELOPMENT PROGRAM



Motivator & Guide

Prof. (Dr.) Vinay Kumar Pathak
Hon'ble V.C., Dr. APJAKTU, Lucknow

List of Eminent Speakers

Prof. S. D. Samantaray
GBPUAT Pantnagar

Prof. Zaheeruddin
JMI New Delhi

Prof. Ela Kumar
IGDTUW New Delhi

Dr. Nishchal Verma
IIT Kanpur

Dr. Naveen Singh Rajput
IIT BHU

Dr. Brajesh Kumar
MJPRU Bareilly

Dr. Manu Pratap Singh
Agra University

Mr. Amit Kumar Sinha
MPSSPL Noida

Mr. Deepak Rai
MPSSPL Noida

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Shri Dev Murti
Chairman, SRMS Trust

Patron

Shri Aditya Murti
Secretary, SRMS Trust

Advisors

Er. Subhash Mehra
Trust Administrator, SRMS Trust

Prof. (Dr.) Prabhakar Gupta
Dean Academics, SRMSCET, Bareilly

Organizing Committee

Program Co-ordinator

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Mob.: 9458701201

Ms. Anubha Dhaka
Mob.: 9458701194

Ms. Anshika Agarwal
Mob.: 9458702638

NEED AND MOTIVATION:

Researchers in engineering and science require platforms that let them explore and express new ideas, solve difficult problems, and create tools, leveraging a robust and flexible computational foundation. MATLAB and Simulink are widely used across industries for research and product development, so researchers can apply their research to interesting and challenging real-world examples. MATLAB (MATrix LABoratory) is a multi-paradigm numerical computing environment and proprietary programming language developed by MathWorks. MATLAB allows matrix manipulations, plotting of functions and data, implementation of algorithms, creation of user interfaces, and interfacing with programs written in other languages, including C, C++, C#, Java, Fortran and Python.

OBJECTIVE:

The Faculty Development Program (FDP) aims at deliberation, sharing knowledge to the target audience about the significance of MATLAB Tools and its application and present current research opportunities in this field. The discussion shall foster inter-disciplinary collaborative research in MATLAB Tools and its application. Also this program provides an excellent opportunity to exchange ideas on the topics of importance along with thought provoking technical sessions.

OVERVIEW:

The name MATLAB stands for MATrix LABoratory. MATLAB was written originally to provide easy access to matrix software developed by the LINPACK (linear system package) and EISPACK (Eigen system package) projects.

MATLAB is a high-performance language for technical computing. It integrates computation, visualization, and programming environment. Furthermore, MATLAB is a modern programming language environment: it has sophisticated data structures, contains built-in editing and debugging tools, and supports object - oriented programming. These factors make MATLAB an excellent tool for teaching and research.

MATLAB has many advantages compared to conventional computer languages (e.g., C, FORTRAN) for solving technical problems. MATLAB is an interactive system whose basic data element is an array that does not require dimensioning. The software package has been commercially available since 1984 and is now considered as a standard tool at most universities and industries worldwide.

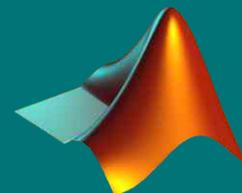
It has powerful built-in routines that enable a very wide variety of computations. It also has easy to use graphics commands that make the visualization of results immediately available. Specific applications are collected in packages referred to as toolbox. There are toolboxes for signal processing, symbolic computation, control theory, simulation, optimization, and several other fields of applied science and engineering.

CONTENTS:

With the above stated objectives, an extensive coverage will be provided in this faculty development program on the following aspects:

- ◆ Introduction to MATLAB/SIMULINK Environment and its applications in real world problems
- ◆ MATLAB Software Installation and MATLAB operations
- ◆ Mathematical problem Solving and Modeling using MATLAB
- ◆ MATLAB Programming
- ◆ Machine Learning using MATLAB
- ◆ Image Processing using MATLAB
- ◆ 2D & 3D Plotting using MATLAB
- ◆ Introduction to Fuzzy Logic and Fuzzy Logic Simulation using MATLAB
- ◆ Introduction to Neural Network and Neural Network Training in MATLAB

FACULTY DEVELOPMENT PROGRAM



PEDAGOGY:

The sessions of this Faculty Development Program shall be conducted by the team of eminent academicians & industry experts possessing in-depth knowledge in the area of MATLAB. It will consist of a series of lectures and hands-on practical sessions.

WHO CAN ATTEND?

This Faculty Development Program is especially designed for faculty members of engineering colleges affiliated to Dr. A.P.J.A.K. Technical University, Lucknow. The faculty members of other courses who are interested to enhance research skills can also join this Program.

DURATION:

This is a Five-Day program scheduled from 24th to 28th July, 2018 and will be conducted in different sessions from 8.30 am to 4.30 pm everyday.

CERTIFICATION:

Department of Computer Science & Engineering and Information Technology of SRMS College of Engineering & Technology, Bareilly will award the 'Certificate of Participation' to each participant after completion of the program.

STAY ARRANGEMENT:

The college will provide fooding to each outstation participants of this Faculty Development Program. The participants who need accommodation (on payment basis) during Faculty Development Program are required to make request for that in the registration form.

PROGRAM FEE:

NO registration fees for participants.

REGISTRATION DETAILS

Candidate can download the registration form from the college website <http://www.srms.ac.in/cet/> and can mail the duly filled scanned copy of the registration form on matlabfdp18@srmscet.edu OR can send it to the FDP Co-ordinator, Department of CSE & IT, SRMSCET, Bareilly (U.P.) 243202.

LAST DATE FOR REGISTRATION : 23rd July, 2018

HOST CITY:

Bareilly is a beautiful town and has a rich cultural heritage. Bareilly comes under the India Smart cities project under Ministry of Urban Development, Government of India. It is located between Delhi and Lucknow. Bareilly is well linked by road and railway from every corner of the country. Bareilly is at approximately 250 km away from both Delhi and Lucknow.

ABOUT US:

Department of Computer Science & Engineering and Information Technology of SRMSCET, Bareilly offers Four years fulltime B.Tech. Program & Two Years M. Tech. Program approved by AICTE and affiliated to Dr. A.P.J.A.K. Technical University, Lucknow. It is top ranked in B.Tech. Programs of the affiliating university and widely recognised by industries also due to emphasis on overall quality assurance. It organises seminars and workshops every year on latest areas of interest to provide a platform for knowledge sharing by Industry-Institute Interactions. During that occasions people from industry and academic institutions are invited for deliberation and discussion.

Venue

New Seminar Hall

Department of Computer Science & Engineering and Information Technology

Shri Ram Murti Smarak College of Engineering & Technology

Ram Murti Puram 13 Km, Bareilly-Nainital Road, Bhojipura-243202, UP, India

Phone: 91-581-2582246, 2582249, 2582331, 2582332, FAX: 91-581-2582330

e-mail: matlabfdp18@srmscet.edu, website : <http://www.srms.ac.in/cet/>



SRMS College of Engineering & Technology, Bareilly

Shri Ram Murti Smarak College of Engineering & Technology Bareilly campus is offering AICTE approved M.Tech, MBA, MCA and B.Tech (Computer Science & Engineering, Electronics & Communication Engineering, Information Technology, Electrical & Electronics and Mechanical Engineering). SRMS College of Engineering & Technology (Pharmacy) is offering M.Pharm & B. Pharm Courses. The college is affiliated to Dr. A.P.J.A.K. Technical University, Lucknow.



infocetbly@srmscet.edu

SRMS College of Engineering, Technology & Research, Bareilly

Shri Ram Murti Smarak College of Engineering, Technology & Research is offering AICTE approved B.Tech Course in Computer Science & Engineering, Electronics & Communication Engineering, It is affiliated to Dr. A.P.J.A.K. Technical University, Lucknow.



inforcetr@srmscet.edu

SRMS Institute of Medical Sciences, Bareilly

- HOSPITAL** : Shri Ram Murti Smarak Institute of Medical Sciences, Bareilly is a 950 beds multi super speciality tertiary & trauma care hospital.
- MEDICAL COLLEGE** : Shri Ram Murti Smarak Institute of Medical Sciences, Bareilly is offering MBBS & MD, MS Course approved by Medical Council of India, New Delhi since academic session 2005-2006. It is affiliated to MJP Rohilkhand University, Bareilly.
- R.R. CANCER INSTITUTE & RESEARCH CENTRE**
- SRMS SCHOOL OF NURSING** : Offering diploma in General Nursing & Midwifery (GNM)
- SRMS INSTITUTE OF PARAMEDICAL SCIENCES**



info@srmsims.ac.in



SRMS SCHOOL OF NURSING



R.R. CANCER INSTITUTE & RESEARCH CENTRE

SRMS College of Engineering & Technology, Unnao

Shri Ram Murti Smarak College of Engineering & Technology Unnao campus is offering AICTE approved B.Tech Course in Computer Science & Engineering, Electronics & Communication Engineering, Mechanical Engineering, It is affiliated to Dr. A.P.J.A.K. Technical University, Lucknow.



inforcetk@srmscet.edu

SRMS International Business School, Lucknow

Shri Ram Murti Smarak International Business School is a world class management school in Lucknow region offering AICTE approved PGDM course. It has distinctive faculty, global curriculum and world class infrastructure.



info@ibs.srms.ac.in

SRMS Functional Imaging & Medical Centre, Lucknow

Shri Ram Murti Smarak Functional Imaging & Medical Centre, Lucknow is India's one of the most advanced diagnostic centre at Lucknow which is a ONE STOP for all diagnostic needs under ONE ROOF like PET-CT Scan, Brain SPECT, DTPA Renal Scan, Bone Scan, Thyroid Scan & Nuclear Cardiology.



srmsfmc@srms.ac.in



Shri Ram Murti Smarak Trust Institutions

Bareilly City Office

Shri Ram Murti Marg, N-3, Rampur Garden,
Bareilly - 243 001 (U.P.)

Ph.: +91-581-2567571, 2567724; Fax : +91-581-2567792

Lucknow City Office

SRMS Diagnostics (Functional Imaging and Medical Centre)
CP 2/3, Vishwash Khand (near Flyover) Gomti Nagar, Lucknow
+91-522-2308987, 2308988

REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

Organised by Department of CSE & IT, SRMSCET, Bareilly
and

Sponsored by TEQIP III & Dr. A. P. J. Abdul Kalam Technical University, Lucknow
on

MATLAB Tools and its application

(24th - 28th July, 2018)

1. Name _____

(In Block Letters)

2. Designation _____

3. Aadhar Card No. _____

4. Name & Address of Institute/Organization _____

5. Address for Communication _____

E-Mail _____

Phone / Mobile No. _____

6. Accommodation Required Yes No

Place _____

Date _____

(Signature of the applicant)

Venue

New Seminar Hall

Department of Computer Science & Engineering and Information Technology

Shri Ram Murti Smarak College of Engineering & Technology

Ram Murti Puram 13 Km, Bareilly-Nainital Road, Bhojipura-243202, UP, India

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