POORNIMA UNIVERSITY

The University aims to achieve world class excellence in imparting knowledge, research and teaching, making invaluable contributions to the social, educational and economic development of the nation. The state of the art research facilities and modern amenities like well stocked libraries along with project centres create a conducive environment for teaching learning process. Poornima University is committed to bring about perceptible change in society with its innovative and equitable practices and systems.

ABOUT JAIPUR

Jaipur, well known as pink city of India is a heritage city. It is the capital of state of Rajasthan. The Jaipur city was designed and founded in 1727 AD by Late Sawai Jai Singh II. The entire city is encircled by a fortified wall and guarded by seven gates. There are several places of historical architectural and scenic interest in and around the walled city of Jaipur. The main amongst them are Hawa Mahal, Amber Fort, Galta Ji, Birla Temple, Jantar Mantar, Nahargarh Fort, Albert Hall, Chokhi Dhani, Ram Niwas Park etc. Watching a movie at Raj Mandir Theatre can be a life long experience. This diverse land of royal is a treat for tourist from all over the world. The weather in Jaipur during November is transition from cold to summer climate with temperature ranging 20-250 C.

HOW TO REACH WORKSHOP VENUE

From Jaipur Railway Station & Bus Stand (Sindhi Camp): Jaipur Railway Station or Jaipur Bus Stand are very close by and are about 25 km. from the Workshop Venue. Prepaid Auto Rickshaws / Taxis are available just outside the Railway Station/Bus Stand. Landmark close to the venue is Mahatma Gandhi Hospital. Auto Rickshaws / Taxis will charge about ₹250/400 to reach the venue.

From Jaipur Airport: Jaipur Airport is around 12 km. from the Workshop venue. Auto Rickshaws / Taxis are available just outside the Airport. Auto Rickshaws / Taxis will charge about ₹200/250 to reach the venue.

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Dr. S. M. SETH
Chairperson, Poornima University
Former Director, NIH, Roorkee

Dr. K. K. S. Bhatia
President
Poornima University

Mr. SHASHIKANT SINGHI
Director General
Poornima Foundation

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Provost, Poornima University

CONVENER

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Coordinator Research, Poornima University

CO-CONVENER

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Associate Professor, PU

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Venue

NATIONAL WORKSHOP

Introduction to Research Methods using Neural Networks in MATLAB

“IRMNNM-2014”

August 22-24, 2014

In association with

Indian Society for Technical Education
Indian Society of Lighting Engineers
The Institution of Engineers (INDIA)

Advance Study and Research Cell (ASRC)

Plot no. IS-2027-31, Ram Chandra pura, P.O. Vidhani Vatika, Sitapura Ext., Jaipur – 303905 (Rajasthan) • Telefax: +91-141-6500249, 50
Website: www.poornima.edu.in

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INSTITUTION OF ENGINEERS INDIA
The Institution of Engineers (India) is the largest body, recognizing professional engineers in the country as fellows, members and associates. It provides opportunity to the Engineering Diploma holders and Science students engaged in engineering profession to enhance their qualification. The Institution publishes research journals and newsletters to keep the members abreast with the latest technological advancements and activities of interest; Rajasthan State Centre is 52 years old with headquarter at Jaipur and four local centres at Kota, Udaipur, Jodhpur and Alwar. All are conducting various technical activities.

INDIAN SOCIETY FOR TECHNICAL EDUCATION
The Indian Society for Technical Education is a national, professional, non-profit-making Society registered under the Societies Registration Act of 1860. First started in 1941 as the Association of Principals of Technical Institutions (APT1), it was converted into "Indian Society for Technical Education" in 1968 with a view to enlarge its activities to advance the cause of technical education. The main goal is to serve as a common agency for stimulating and guiding its members to formulate the general goals and responsibilities of technical education for the service of mankind and the advancement of general welfare.

INDIAN SOCIETY OF LIGHTING ENGINEERS
Indian Society of Lighting Engineers (ISLE) is a professional body in the field of illumination engineering with a broad based membership of scientists, engineers, architects, academicians, researchers and designers. ISLE is affiliated to CIE, the International Commission on Illumination. ISLE is closely associated with the bureau of Indian Standards, the Department of Science and Technology, the Ministry of Power and the Ministry of Non-conventional Energy Sources.

RATIONALE
In this era of fast technological advancements and their implementations, Research and Development has become a need of the day and has to be considered as one of the important component of any educational Institute. As Neural Networks plays vital role in research, the aim of the workshop is to motivate and expose the participants to the various concepts and methodologies of Neural Networks & their implementation in MATLAB to carry out design and validation of concepts.

OBJECTIVES OF WORKSHOP
The main objectives of the workshop are
1. To update the knowledge of the Master’s & Doctoral Research scholars and faculties from various disciplines in research process specially by using Neural Network & their implementation.
2. To develop innovative skills including professional ethics and social value.

3. To discuss the fundamental principles of neural networks, and gives insight to tools available in MATLAB and SIMULINK.
4. To provide a platform for discussion on new areas, opportunity to share experience by close interaction with eminent speakers and enhance the confidence of the participants to perform their research work using neural networks with greater efficiency in MATLAB.
5. To acquaint Participants with hands on approach to conduct research, application of Neural Networks in MATLAB.

BOARDING & LODGING
The registration fees include workshop kit, tea snacks and lunch. Participants from industries and other institutions will have to bear the expenses towards travel, accommodation and boarding. Limited payable accommodation will be available on first come first serve basis at Hostel / Guest House Poonima University. Candidates should confirm the booking of accommodation before the commencement of workshop. The charges for accommodation are ₹300/- Per day.

REGISTRATION FEE
The registration fee:
- Faculty/Doctoral Research Scholars: 1000/-
- Master’s Students: 500/-

The registration fee is to be paid in the form Demand Draft drawn in favour of “Poonima University” payable at Jaipur or in cash at accounts office, Poonima University.

Last Date of Registration: 20 August 2014

HOW TO APPLY
Filled-in application in the prescribed form along with Demand Draft by post / fax / e-mail should reach the University on or before 20.08.2014. The registration of the participants would be confirmed on “First-come first serve” basis as the number of seats is limited.

INTIMATION OF SELECTION
Candidates will be intimated about their selection by E-mail.

COURSE METHODOLOGY
The course will be conducted by the resource persons from higher academic institutions and industry through a blend of lecture on Neural Networks. Eminent persons having rich knowledge and experience have been identified to share their thoughts and experience with the participants in the various technical sessions of the program. Certificate will be issued to the participants at the end of workshop.

PROGRAM SCHEDULE
<table>
<thead>
<tr>
<th>DAY 1-Friday, August 22, 2014 (9:00 AM – 4:00 PM)</th>
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<tbody>
<tr>
<td>Session I</td>
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<td>Session III</td>
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<th>DAY 2-Saturday, August 23, 2014 (9:00 AM – 4:00 PM)</th>
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<tbody>
<tr>
<td>Session I</td>
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<td>Session II</td>
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<td>Session III</td>
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<tr>
<th>DAY 3-Sunday, August 24, 2014 (9:00 AM – 4:00 PM)</th>
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<tbody>
<tr>
<td>Session I</td>
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<tr>
<td>Session II</td>
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<td>Session III</td>
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ABOUT SPEAKERS
Dr. Ashok A. Ghatol is former & currently working as a Campus Director in KJEE, Pune. He has served as Vice-Chancellor of Dr. Babasaheb Ambedkar Technological University, Lonere Maharashtra, and also has served as a Principal, Government College of Engg, Amravati from 1994 to 2001, and College of Engg, Pune(COEP) from 2001-2005. He did BE and M.Tech in electrical engineering, and completed his doctoral degree from IIT Bombay in Study of Semiconductor Power devices (Breakdown in diodes). He has Special Interest in the Artificial Intelligence and Robotics. He has an extensive experience of more than 40 years in teaching and research. He has published more than 29 papers in National/International journals and 47 papers in National / International Conferences. He has received a Quality Environment Award in the year 2002.He has taken up the responsibility as a Chairman, All India Board of Vocational Education, AICTE, New Delhi. He was also Vice-Chairman of ISTE for advising and assisting the council on issues and strategies on quality in the field of technical education.

Dr. Nadir Charniya is currently Professor, VES Institute of Technology, Mumbai (INDIA). He is Post Graduate M.E. (Electronics) from VJTI, Mumbai (INDIA). He did Ph.D in “Design of Intelligent Sensors using a Neural Network approach” from SGB Amravati University (INDIA). He has about 23 years of Teaching and Research experience He has many papers published in refereed International journals and transactions like IEEE and Elsevier Science-Direct. His Ph.D. research work on Intelligent Sensors received the First Prize the Maharashtra State Research Project Competition “AVISHKAR—2008.” His UG project on robotics received First Prize and the “Maharashtra State Engineering Design Award from the IOC, Pune. He has received various grants from AICTE and Universities. He has filed a patent on “Thickness Measurement System using Laser Mouse Navigation Sensor”.


POORNIMA UNIVERSITY, JAIPUR

Inaugural Session
of
National Workshop on Introduction to Research Methods using Neural Networks in MATLAB
“IRMNNM-2014”
(August 22-24, 2014)

Day & Date: - Friday, 22 August, 2014
Time: - 8:50 AM to 10:00 AM
Venue: - Seminar Hall (Ground Floor-G-02)

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Activities</th>
<th>Time</th>
<th>Faculty/Dignitaries</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Seating of Faculties &amp; Delegates</td>
<td>8:50-9:00</td>
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<td>2.</td>
<td>Arrival of Dignitaries</td>
<td>9:00</td>
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<td>3.</td>
<td>Welcome of Dignitaries</td>
<td>9.00-9:05</td>
<td>Dr. K. K. S. Bhatia, President <em>(Chairman of the Program)</em>&lt;br&gt;Dr. Ashok A. Ghatol, Professor <em>(Chief Guest)</em>&lt;br&gt;Dr. Sudhir Calla, Chairman <em>(IEI)</em>, Raj. <em>(Guest of Honor)</em>&lt;br&gt;Dr. Manoj Gupta, Provost&lt;br&gt;Prof. Mahesh Bundele, Coordinator Research</td>
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<td>4.</td>
<td>Lighting of Lamp by Dignitaries</td>
<td>9:05-9:10</td>
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<td>5.</td>
<td>Felicitation of Dignitaries</td>
<td>9.10-9.15</td>
<td>Chief Guest by Dr. K. K. S. Bhatia&lt;br&gt;Chairman of the Program by Dr. Manoj Gupta&lt;br&gt;Guest of Honor by Prof. Mahesh Bundele</td>
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<td>8.</td>
<td>Address by Chief Guest</td>
<td>9:35 -9:45</td>
<td>Dr. Ashok A. Ghatol</td>
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<tr>
<td>9.</td>
<td>Address by Chairman of the Program</td>
<td>9:45 -9.50</td>
<td>Dr. K. K. S. Bhatia, President</td>
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<td>10.</td>
<td>Vote of Thanks by Program Chair</td>
<td>9:50-9:55</td>
<td>Dr. Manoj Gupta, Provost</td>
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<td>11.</td>
<td>Poornima Gaan</td>
<td>9:55-10:00</td>
<td>By Students</td>
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