DATA MINING AND DATA ANALYTICS

PROGRAM COORDINATORS

Dr. P. Sridevi, Assistant Professor, DoMS
Dr. B. Senthil Arasu, Associate Professor, DoMS
Dr. N. Thamaraiselvan, Associate Professor, DoMS
Dr. J. Daniel Inbaraj, DoMS

PROGRAM DATES

13th - 17th November, 2017.
Mining more complex, larger and generally speaking “more difficult” data sets pose new challenges for researchers and ask for novel and more complex approaches. With the rapid advancement of information discovery techniques, machine learning and data mining continue to play a significant role in analytics. Data mining is a way of uncovering information and discovering patterns from huge data sets. It has extensive application in fields like engineering, healthcare, banking and medicine. Extracting meaningful information from data sets that have noise requires the use of analysis techniques and algorithms which are based on solid theoretical and statistical foundations. Data mining tools can help in visualizing key relationships among variables, create stable models and predict categorical outcomes. This workshop will give extensive knowledge on various techniques with hands on training on applied data mining techniques using R and an industry perspective of data mining and its application in various fields by experts.
<table>
<thead>
<tr>
<th>Date</th>
<th>Session</th>
<th>Time</th>
<th>Topics</th>
<th>Resource Person</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.11.17</td>
<td>FN</td>
<td>9.30-11.00</td>
<td>Introduction to Data Mining</td>
<td>Dr.P.Sridevi/ AP/NIT-T</td>
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<td></td>
<td>FN</td>
<td>11.30-1.00</td>
<td>Introduction to R</td>
<td>Mr.Sai Kiran Kumar Trainer of Machine learning/ data analytics NIT-T.</td>
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<tr>
<td>AN</td>
<td>2.00-3.30</td>
<td>3.45-5.15</td>
<td>Mining frequent Patterns (MBA) Artificial Neural Network</td>
<td>Mr.Sai Kiran Kumar Trainer of Machine learning/ data analytics NIT-T.</td>
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<tr>
<td>14.11.17</td>
<td>FN</td>
<td>9.30-11.00</td>
<td>Data Mining Trends Intrusion Detection system</td>
<td>Mr. Raj Srinivasan Director New Age Analytics, Bangalore.</td>
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<tr>
<td></td>
<td>AN</td>
<td>2.00-3.30</td>
<td>Data Mining in Search Engine Analytics Corporate Surveillance</td>
<td>Mr. Perumal Kumar Director New Age Analytics, Bangalore.</td>
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<tr>
<td>15.11.17</td>
<td>FN</td>
<td>9.30-11.00</td>
<td>Decision Tree (Rpart/ Random forest) Ensembling Modeling</td>
<td>Mr. Sai Kiran Kumar Trainer of Machine learning/ data analytics NIT-T.</td>
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<tr>
<td></td>
<td>AN</td>
<td>2.00-3.30</td>
<td>Mining Data Stream Social Network Analysis</td>
<td>Mr. Raj Srinivasan Director New Age Analytics, Bangalore.</td>
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<tr>
<td>16.11.17</td>
<td>FN</td>
<td>9.30-11.00</td>
<td>Fundamentals of Digital analytics</td>
<td>Mr.C.Aswin Kumar Consultant/Adobe, Bangalore.</td>
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<td>AN</td>
<td>2.00-3.30</td>
<td>Industrial Credit Risk Analytics Predictive Analytics</td>
<td>Mr. Perumal Kumar Director New Age Analytics, Bangalore.</td>
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<tr>
<td>17.11.17</td>
<td>FN</td>
<td>9.30-11.00</td>
<td>Text Mining &amp; Its Application in Social Media Marketing</td>
<td>Mr. Sai Kiran Kumar Trainer of Machine learning/ data analytics NIT-T.</td>
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<tr>
<td></td>
<td>AN</td>
<td>2.00-3.30</td>
<td>Recommendation Engine: User Based Collaborative Filtering</td>
<td>Mr. Renold Raj Devaraj Anh cjir_l r_B_r_ Qgdl ac* @l e Jnpc.</td>
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**NOTE:** Hand-on sessions are planned for few scheduled sessions participants are requested to bring laptop for workshop.
The last date to register
8th November 2017.

For any assistance, contact:
Dr. J. Daniel Inbaraj, Faculty,
Mob: +91 9677 797979

Duly filled in registration form/DD must be sent by speed post to the Coordinator.

To avoid postal delay/loss in transmission, a scanned copy of the registration form should be sent to the email ID: domworkshops@outlook.com titled: FDP Data Mining and Data Analytics.

The registration fee is to be paid by Demand Draft (DD Only) in favour of "THE DIRECTOR, NATIONAL INSTITUTE OF TECHNOLOGY TRICHY, Payable at Tiruchirapalli.

Accommodation for the participants will be arranged in the institute guest house (AC) at Rs.300 per head/per day. In the institute hostel at Rs.125 per head/per day for the outstation participants. Normally it will be a twin shared accommodation.

Kindly send the registration form and DD to the following address
Dr. P. Sridevi,
Assistant Professor,
Department of Management Studies,
National Institute of Technology,
Thuvakudi,
Tiruchirapalli- 620 015

**Category**

<table>
<thead>
<tr>
<th>Category</th>
<th>Individual</th>
<th><strong>Group</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Academicians</td>
<td>5000</td>
<td>4500</td>
</tr>
<tr>
<td>Full time research scholars</td>
<td>4000</td>
<td>3500</td>
</tr>
</tbody>
</table>

*Full time scholars must submit a copy of their college ID with registration form
**To avail of our group concession, 3 or more delegates can register as a group. Each member should fill a separate application form.

Address for Communication

Individual

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Faculty Development Program
on
DATA MINING AND DATA ANALYTICS
13 - 17 November 2017
Department of Management Studies
National Institute of Technology, Tiruchirappalli – 620 015

REGISTRATION FORM

Date: ____________

Name : ________________________________

Designation : ________________________________

Department : ________________________________

Institute/Organization : ________________________________

Email : ________________________________

Ph. No. : ________________________________

Registration : Individual ☐ Group ☐

Category : Academician ☐ /Research Scholar ☐

Accommodation Required : Yes ☐ No ☐ if yes, Guest House ☐ Hostel ☐

Demand Draft No. : ____________ Demand Draft Date : ____________

Bank Name : ____________ Amount : ____________

Signature of Applicant