

Schedule and Venue

Programme Dates: 06th – 09th August 2018;

Timings: 09:30 AM to 05:00 PM

Venue: Dr. Ambedkar Institute of Productivity, National Productivity Council, #6, Avin Dairy Road, Ambattur Industrial Estate (North), Ambattur, Chennai – 50.

Land mark: Avin Milk Dairy

About NPC

NPC is national level organization to promote productivity culture in India. Established by the Ministry of Industry, Government of India in 1958, it is an autonomous, multipartite, and non-profit organization. NPC is a constituent of the Tokyo-based Asian Productivity Organisation (APO), an Inter-Governmental Body, of which the Government of India is a founder member.

NPC's consultancy services are designed to help clients introduce new operational practices and business management approaches that sharpen efficiency, enhance corporate image and improve performance. NPC's consultancy services rely on problem solving and total solutions; a participative and holistic approach. NPC's ability to provide such consultancy owes much to gathered experience from various major projects in the consultancy sphere across various functional areas, deep insight into various industry sectors as well as our domain knowledge of issues that affect business processes. Some of the major functional areas of NPC are as follows:

- Energy Management
- Environment Management
- Human Resource Management
- Industrial Engineering
- Technology Management
- Smart Manufacturing

Contact :

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Dr. Ambedkar Institute of Productivity

National Productivity Council

(Under Ministry of Industry and Commerce, Government of India)

Announces *hands - on workshop on* **Business Analytics Using R**

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NATIONAL PRODUCTIVITY COUNCIL

Dr. Ambedkar Institute of Productivity

National Productivity Council

No.6, Avin Dairy Road, Ambattur Industrial Estate (North)
Ambattur, Chennai - 600 050. Landmark: Avin Milk Dairy

Context

The word analytics has come into the foreground in last decade or so. The proliferation of the internet and information technology has made analytics very relevant in the current age. Analytics is a field which combines data, information technology, statistical analysis, quantitative methods and computer-based models into one. This all are combined to provide decision makers all the possible scenarios to make a well thought and researched decision. The computer-based model ensures that decision makers are able to see performance of decision under various scenarios.

The hands-on workshop on 'Business Analytics using R' will equip the participants with the concepts, tools and techniques of Analytics, so as to enable them to extract value from the large amounts of data their businesses deal with.

Coverage

- Computing and Analytics: Traditional versus computational statistics
 - Non-parametric approaches
 - Bootstrapping
- Data Similarity: The case of recommendation systems
 - Cosine, Correlation
 - Overview of Regression
- Computational Modelling: Understanding and predicting business phenomena
 - Applied linear regression
 - Logistic regression
 - Cross-validation
- The Blessing and Curse of Big Data: Making sense of high dimensional data
 - Principal components
 - Clustering

Approach

The programme is designed to be a hands-on one wherein the applications of analytics will be demonstrated using real-life examples, case studies, exercises, etc.

Resource Person

We are engaging the services of international faculty, **Dr. Soumya Ray, Associate Professor, Institute of Service Science, National TsingHua University, Taiwan**, with the support of **Asian Productivity Organization, Japan**. In addition, local eminent faculty will also be taking sessions.

Who Can Attend ?

Professionals from Operations, Marketing, Finance, Quality and other functions, interested in utilizing data analytics techniques to understand and predict the nature of products and services; the programme is suitable for potential participants from all sectors of Economy – Manufacturing, Service and Agriculture.

Prerequisites : Quantitative educational background and some experience with using spreadsheets or other business intelligence software is desirable.

Registration

Nominations may be emailed at samdani.sm@npcindia.gov.in along with participant contact details (**Name, Designation, Email ID, Contact number**) latest by **10th July 2018**

The registration fee is **INR 20,000/- plus GST (18%)** per participant (which includes programme fee, workshop kit, working lunch, refreshments and certificate). The fee may be paid electronically via **ECS facility (NEFT)**; kindly indicate “**NPC Chennai – Business Analytics**” in the transaction remarks while transferring the funds. The account details are given below:

Bank: Indian Overseas Bank, 70, Golf Link, New Delhi - 110 003

SB A/c No.: 026501000009207

MICR Code: 110020007 | IFS Code: IOBA0000265

PAN: AAATN0402F | GSTIN 07AAATN0402F1Z8

(Please intimate the details of payment made, to samdani.sm@npcindia.gov.in)

Early Bird Discount : Those who register on or before **05th June 2018** are eligible for a discount of 10% on the registration fee

Accommodation

The programme is non-residential in nature. However **boarding & lodging** will be provided at our facility on payment basis, subject to availability. The charges are **INR 1,300/- plus GST** per day per participant, and covers room rent, breakfast and dinner. **Participants requiring accommodation in the campus may indicate well in advance.**