PONDICHERRY UNIVERSITY

DEPARTMENT OF STATISTICS

Organizes

Two Day National Virtual Workshop on
DATA SCIENCE & MACHINE LEARNING
IN CONJUNCTION WITH
NATIONAL STATISTICS DAY – 2020
(29-30, June 2020 – 9.00 AM to 5.00 PM)

Chief Guest
Prof. Gurmeet Singh
Vice Chancellor, PU

Guest of Honor
Dr. R.B. Barman
Former Chairman, NSC

Distinguished Guest
Ms. Padma Jaiswal IAS
Secretary, Dept. of IT,

Special Guest
Dr.R.Ramakrishnan
Director, DES, GoP

Convener
Dr. P. Dhanavanthan
Professor & Head, Dean

Coordinator
Dr. Tirupathi Rao Padi
Professor of Statistics

WORKSHOP RESOURCE PERSONS

Dr. K.V.S. Sarma
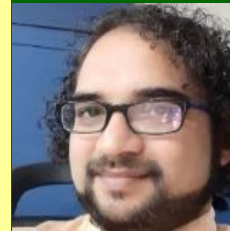Former Prof. of Statistics
SV University, Tirupathi

Dr. Rajeswari Seshadri
Professor & Head,
Dept.of Mathematics,PU

Dr. Venkata Putcha
Director, SRIV UK Ltd., London
Freelance Analytical & Data Consultant

Dr. Y. Gopinath
Global Delivery & Strategy
Head at TCS, Hyderabad

Mr. Nagesh Kumar Siddu
Software Devp. Manager
SAP, Bangalore

Mr. S S Chivukula
General Manager, Reliance
Life Sciences, Bangalore

Dr.V.S Vaidyanathan
Asst. Prof. of Statistics
Pondicherry University

Dr. K. S. Kuppusamy
Asst. Prof. of Comp. Sci.
Pondicherry University

Dr. Vishnu vardhan
Asst. Prof. of Statistics
Pondicherry University

Mr. Muralidhar Panthula
Asst. Prof. Comp. Sci.
MITS, Chittore, , AP

Dr. M.Ramakrishnan
Dept. of Mathematics
RKMV College, Chennai

Ms. Abhinithi
Data Scientist, STAR
Consultancy Group, Vizag

Certificate will be issued to the Registered Participants

Registration Link : https://forms.gle/CzCs6mSHSjxUAaTK6

1st Day Schedule of the Program: 29.06.2020 (Monday)

09.00 - 11.00 AM: National Statistics Day Celebrations & Inauguration of Workshop

Time	Event details	Title of the Topic	Name and address of the Resource Person
9.00 - 09.15 AM	Inauguration Formalities of National Statistics Day -2020 Celebrations	Invocation & University Song	**Dr. P. Tirupathi Rao**, Professor, Dept. of Statistics, RSMS, PU
9.15 – 09 30 AM	Welcome address & Importance of the Event	Significance of National Statistics day and the relevance of PC Mohalanobis	**Dr. P. Dhanavanthan,** HoD, Statistics, Dean, RSMS
9.30 - 09.45 AM	Commemoration of Prof. P.C. Mahalanobis	Presentation on the Profile of Prof. P.C. Mohalanobis	**Dr.Kiruthika** Associate Professor, Dept. of Statistics, RSMS, PU
9.45 – 10.00 AM	Inauguration of Workshop	Presidential Address of NSD & inaugural Address of and	**Prof. Gurmeet Singh,** Vice Chancellor, Pondicherry University
10.00 – 10.20 AM	Keynote Address	Data Science for Inclusive Growth	**Prof. R.B. Barman** Former Chairman, National Statistics Commission, GoI
10.20 – 10.40 AM	Message of Distinguished Guest	Role of Statistics in evidence based policy formulation in the government	**Ms. Padma Jaiswal IAS** Secretary, Dept. of IT, Govt. of Puducherry
10.40 – 11.00 AM	Theme of the National Statistics Day	Sustainable Development Goals 3&5 - NSD Theme	**Dr. R. Ramakrishna,** Director, Directorate of Economics & Statistics, Govt. of Pdy
11.00 - 11.15 AM: TEA BREAK			
11.15 – 12.15 PM	Session -1 of NVWS	Sample size determination in research – some practical Considerations	**Dr. K.V.S Sarma,** Former Professor, Statistics, SV University, Statistical Consultant, SVIMS, Tirupathi
12.15-01.15 PM	Session -2 of NVWS	Relationship between Statistical Methods & Data Analytics- recent developments in Applied Data Science	**Dr. Venkata Putcha,** Director, SRIV UK Ltd., London Freelance Data Consultant
01.15 – 02.00 PM: LUNCH BREAK			
2.00 – 3.00 PM	Session-3 of NVWS	Julia: Hello World	**Dr. K. S. Kuppusamy**, Assistant Professor, Dept. of Computer Science, Pondicherry University
3.00 – 4.00 PM	Session-4 of NVWS	Principal Component Analysis Mathematical Models	**Dr. Rajeswari Seshadri**, Professor & Head, Dept. of Mathematics, Pondicherry University
04.00 – 04.15 PM: TEA BREAK			
4.15 – 5.15 PM	Session-5 of NVWS	Data Wrangling, Preparation and Data Cleaning,	**Dr. Abhinithi Rajya Lakshmi** Data Scientist, STAR Constancy Group, Vizag

2ⁿᵈ Day Schedule of the Program: 30.06.2020 (Tuesday)

Time	Event details	Title of the Topic	Name and address of the Resource Person
09.00 - 10.00 AM	Session-6 of NVWS	Data Science – Machine Learning –Applications in Pharma and Life Sciences	**Mr. Sreekanth Chivukula,** General Manager, Reliance Life Sciences, Reliance Bio, Bangalore
10.00 – 11.00 AM	Session-7 of NVWS	Machine Learning Algorithms for Multi Label Data Classification	**Dr. Nagesh Kumar Siddu,** Software Development manager, Bangalore
11.00 - 11.15 AM: TEA BREAK			
11.15 – 12.15 PM	Session -8 of NVWS	Importance of Data Science in Telecom Industry	**Dr. Y. Gopinath,** Head, Dept. of GD&S, TMIS & TBUA, Tata Consultancy Services; Hyderabad
12.15-01.15 PM	Session -9 of NVWS	Issues of Data Analytics & Statistical Inferences in Large samples using R	**Dr. M. Ramakrishnan** Dept. of PG & Res. Mathematics RKMV College, Chennai
01.15 – 02.00 PM: LUNCH BREAK			
2.00 – 3.00 PM	Session-10 of NVWS	Decision Trees and Regression Techniques for Classifications	**Dr.V.S Vaidyanathan** Assistant Professor, Dept. of Statistics, Pondicherry University
3.00 – 4.00 PM	Session-11 of NVWS	Poisson Regression Analysis	**Dr. R. Vishunu Vardhan** Assistant Professor, Dept. of Statistics, Pondicherry University
04.00 – 04.15 PM: TEA BREAK			
4.15 – 5.15 PM	Session-12 of NVWS	Tensor Flow 2.0 with Python	**Mr. Muralidhar Pantula** Asst. Prof. of Comp. Sci, MITS, AP
5.15- 5.45 PM : VALEDICTORY			