

## About the University:

"Reach To Unreach" being the objective of U.P. Rajarshi Tandon Open University, which has been established by the UP Act No. 10 of 1999 as passed by the Uttar Pradesh legislature. It is the one and only State Open University in Uttar Pradesh. This University was named after Bharat Rattan Rajarshi Purushottam Das Tandon, an illustrious son of India from Allahabad who made great sacrifices for the sake of our independence and dedicated himself to the cause of Hindi as a National Language. The jurisdiction of this University is entire state of Uttar Pradesh. The University has embossed a niche for itself among the premier academic institutions of open learning and distance education. This University conducts its academic activities through a diversity of means of distance and long-lasting education, and functions in cooperation with the existing Universities, Colleges and Institutions of higher learning, and makes full use of the infrastructure of these organizations. The courses offered by UPRTOU are recognized by the joint committee of UGC, AICTE and DEB. The University offers wide range of educational programmes related to general & professional education, training, research and extension work through open and distance learning. The University started functioning from the session 1999-2000 with 3481 distance learners. In the current session i.e. session 2015-2016 more than 65,000 distance learners were enrolled for 83 academic programmes at more than 650 study centers. Since inception the cumulative strength is 3.7 lakh learners. At present there are ten regional centers of university located at Lucknow, Varanasi, Bareilly, Gorakhpur, Allahabad, Agra, Ghazibad, Meerut, Jhansi and Kanpur. The head quarter of the University is at Shantipuram Sector-F, Phaphamau, Allahabad which is equipped with good infrastructure facilities like Buildings, Library, Wi-Fi network, Guest House, Media Centre campus etc..

## About Allahabad:

Allahabad is the one of oldest cities of the world having enriched with glorious history. City is situated at the confluence of Holy Rivers Ganga and Yamuna, called Triveni Sangam due to invisible Saraswati. Every year in the month of January Magh Mela is organized at Sangam while every six year Ardh Kumbh and every twelve year Maha Kumbh (Biggest fair of the World) is organized. It is one of the fastest growing cities in India. The city is also known as 'Prayag' or 'Tirth Raj'. It is located 201 Km South-East of the state capital Lucknow, 121 Km West from spiritual city Varanasi, 199 Km South - East from industrial city Kanpur and 423 Km. East from the Historical city Jhansi. Allahabad has an area of about 70 km. and is 98 mt. (332ft) above sea level. The city temperature at March is between 30° C - 35° C. The district has a

population of 60 lakh approx while Allahabad city has a population about 12 lakh as per the 2011 census and its literacy rate is 72.3%. Hindi, Urdu, Bengali and English are the spoken languages and all major religions are practiced in the city. Allahabad is the educational hub of the country since ancient period. This city has number of world fame educational institutes and historical places.

### Patron

Prof. M. P. Dube  
Hon'ble Vice Chancellor

### Workshop Director

Dr. Ashutosh Gupta, Director, School of Sciences

### Convener

Dr. G. K. Dwivedi, Sr. Assistant Professor (Education)

### Organizing Secretary

Dr. Shruti, Sr. Assistant Professor (Statistics)

### Co - Convener

Dr. D. K. Gupta, Academic Consultant (Chemistry)

### Co - Organizing Secretary

Mr. M. K. Balwant, Astd Prof. (Computer Science)

### Co-Ordinators

Ms. Marisha, Astd. Prof. (Computer Science)  
Dr. Atul Mishra, Regional Director (Allahabad)

### Organizing Team

Dr. Ruchi Bajpei	Dr. Mukesh Kumar
Dr. Sadhna Srivastava	Dr. Sunil Kumar
Dr. Satish Chandra Jaisal	Dr. U. N. Tiwari
Dr. Gaurav Sankalp	Dr. Abdul Hafiz

### Technical Team

Mr. Neeraj Mishra	Mr. Shivam Mishra
Mr. Dheeraj Rawat	Mr. Shahbaz Ahmad

# National Workshop-cum-Training Programme

On

## Research Methodology: Data Analysis with OCTAVE and Report writing by L<sub>A</sub>T<sub>E</sub>X

19 - 25 March, 2018

### Organized by

School of Sciences,  
U.P. Rajarshi Tandon Open University  
Allahabad



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### Venue

Saraswati Campus (Academic Block)  
U.P. Rajarshi Tandon Open University  
Shantipuram, Sector - F, Phaphamau, Allahabad  
U.P., India-211013

[www.uprtou.ac.in](http://www.uprtou.ac.in)

**Theme of the Workshop:** The base of any research is based on the quality of data collection and its analysis. In the present scenario where daily new challenges are being faced by researchers, the use of technology in research using various software is necessary. Scientific and statistical tools help researchers to validate its findings and formulate conclusions. These software/Tools are widely used for data analysis in various science disciplines such as Physics, Chemistry, Zoology, Botany, Bioinformatics, Biochemistry, computer science etc. **OCTAVE** is free software available for everyone to use and redistribute with certain restrictions. The syntax of Octave is very similar to Matlab, which allows Matlab users to easily begin adapting to the package. Octave is available to download on different operating systems like Windows, Mac OS X, and Linux. Octave is open-source alternative to MATLAB Matlab's toolboxes. **MATLAB** is similar to Octave, which is a high-level language and provides an interactive environment to perform computationally intensive tasks faster than with traditional programming languages. Matlab is optimized for data analysis and matrix manipulation with matrix as its basic unit. It offers vectorized operations, vast number of pre-defined functions and diverse set of toolboxes (apps) including Statistics, Optimization, Image Processing, Signal Processing, Parallel Computing etc.

**L<sup>A</sup>T<sub>E</sub>X** is widely used in academia for the communication and publication of scientific documents in many fields, including mathematics, statistics, computer science, engineering, chemistry, physics, economics, quantitative psychology, philosophy, and political science etc. L<sup>A</sup>T<sub>E</sub>X allows authors to focus on the content of what they are writing and the L<sup>A</sup>T<sub>E</sub>X system will take care of its visual appearance like formatting, layout etc. This workshop will emphasize the learners and researchers to create a professional quality, typeset publication for their doctoral thesis and writing scientific and technical papers. The proposed National Workshop aims to bring together the applied & theoretical academician, researchers & students on a single platform to understand the application and use of Statistics with software. It is also aim to understand & develop their skills for statistical consulting, analysis & applied research.

**Target Audience:** Participants may belong under the areas of Social Sciences, Humanities, Education, Commerce and Management, Population Studies, Agriculture, Medical, Computational, Mathematical, Physical, Chemical & Life Sciences etc.

### Registration Fees:

Faculty Members: **Rs. 3000/-**  
Research Scholars and students: **Rs. 2000/-**

Please mention participant's name, contact no. & workshop's title on the back side of the D.D. Registration fees will be paid through Demand Draft in favour of "**Finance Officer, UPRTOU, Allahabad**", should be send to the Convener / Organizing Secretary at the university address along with the registration form with in the last date. MO & cheques will not be allowed/accepted. Cash will be accepted in the main office of UPRTOU till last date. **Online payment** can be made through workshop web portal **www.uprtou.ac.in**. The seats are limited and will be allotted on the **FCFS (first come first served)** basis. The participant should send their prior Information through telephone, e-mail and filled registration form to the organizers through e-mail before the **last date**.

**Last Date: 03.03.2018**

**Accommodation: & Fooding:** The university has its own Guest House in which accommodation may be provided to the limited number of outstation delegates, on their demand well in advance. University will provided working lunch & tea in breaks between the sessions only. Participants will bear breakfast and dinner their own. All the expenses of the stay and food will be borne by the delegates / participants themselves.

**Contact Details:** Please send your confirmation about registration & travel plan on

Email: **workshopstats2018@gmail.com**

Dr. Ashutosh Gupta: 07525048002  
Dr Shiruti: 07525048051  
Dr. G. K. Dwivedi: 07525048012  
Ms. Marisha: 07525048133  
Mr. M. K. Balwant: 07525048125  
Dr. Dinesh K. Gupta: 07525048053

## Registration Form

Name:

Designation:

Affiliation:

Full Postal Address:

Email:

Phone / Mobile:

Accommodation Required: Yes: No:

Details of Registration Fees: **Cash / D.D. / on-line**

Receipt No:

DD No.:

Bank Name:

Branch:

Amount:

Online Details:

Research Scholars/Students Registration Form will be forwarded by the Dean / Director / HOD / Supervisor.

Signature

In case of Bank Draft, send your fully filled Registration Form at

Dr Shiruti, Sr. Assistant Professor (Statistics) /  
Mr. M.K. Balwant, Assistant Professor (Computer Science)  
School of Sciences, Saraswati Campus (Academic Block)  
U.P. Rajarshi Tandon Open University, Shantipuram,  
Sector - F, Phayfamau, Allahabad, U.P., India-211013