At a Glance

Monday December 26

Short Course 1   Artificial Intelligence (AI) in Precision and Digital Health   **NSSC-A**

Conference Inaugaration   **JNTA**

Plenary Lecture 1   Kalyan Das   **JNTA**

Panel Discussion 1   Statistics of Cricket   **JNTA**

26.A1.I1   Survival Analysis   **NSSC-A**

26.A1.I2   Discrete probability: random graphs and processes on random graphs   **NSSC-B**

26.A1.I3   Recent theoretical and methodological advances in high-dimensional inference   **NSSC-C**

26.A1.I4   Machine Learning Models for Business Applications   **MSSH**

26.A1.I5   Probabilistic Modeling and Theoretical Statistics: Recent Advances   **MSCR-1**

26.A1.I6   Bayesian modeling of structured data   **MSCR-2**

26.A2.I7   Random Graphs and Processes   **JNTA**

26.A2.I8   Recent Developments In Mathematical Statistics   **NSSC-A**

26.A2.I9   Advances in SMART Design - interim monitoring, non-inferiority, and missing data   **NSSC-B**

26.A2.I10   Quantitative Decision making   **NSSC-C**

26.A2.I11   Advancements in Spatio-Temporal Modeling and Monitoring   **MSSH**

26.A2.I12   Statistical Methods for Financial Risk   **MSCR-1**

26.A2.C1   Contributed Session 1   **Math-LH1**

26.A2.C2   Contributed Session 2   **Math-LH3**

26.A2.C3   Contributed Session 3   **Math-LH4**

Tuesday December 27

27.M1.I13   New biostatistical methods of analyzing complex data   **JNTA**

27.M1.I14   Recent Advances in Data Integration and Distributed Computing   **NSSC-A**

1

27.M1.I15	Applications of Random Matrix Theory	NSSC-B
27.M1.I16	Computational Bayes	NSSC-C
27.M1.I17	Novel methods for shape-constrained distributions, nonparametric hypothesis testing and survival analysis with applications to biomedical data	MSSH
27.M1.I18	Statistical methods for modern healthcare applications	MSCR-1
Student Paper Competition 1		MSCR-2
27.M1.C4	Contributed Session 4	Math-LH1
27.M1.C5	Contributed Session 5	Math-LH3

Time: 11:00 - 12:20

Special Invited Session 1 Prateek Jain, Pritam Gupta		JNTA
27.M2.I19	Sharp statistical guarantees for statistical machine learning methods	NSSC-A
27.M2.I20	Optimizations	NSSC-B
27.M2.I21	Recent Advances in Survey Sampling	NSSC-C
27.M2.I22	Biostatistics	MSSH
27.M2.I23	Markov Chains and Urn Models	MSCR-1
27.M2.I24	Reliability Theory and its Applications	MSCR-2

Time: 14:00 - 15:00

Plenary Lecture 2 Hao Helen Zhang		JNTA

Time: 15:10 - 16:30

Panel Discussion 2 Leading to a better future with Diversity, Equity, and Inclusion in action		JNTA
27.A1.I25	Different quantitative aspects in drug development	NSSC-A
27.A1.I26	Advances in Statistical Learning Theory	NSSC-B
27.A1.I27	High dimensional Bayesian inference	NSSC-C
27.A1.I28	Stochastic Processes and Scaling Limits	MSSH
27.A1.I29	Quality and Reliability	MSCR-1
27.A1.I30	Statistical techniques for using summary statistics in epidemiology/genetic epidemiology research	MSCR-2

Time: 17:10 - 18:30

27.A2.I31	Count data modelling and applications	JNTA
27.A2.I32	Extreme Value Analysis	NSSC-A
27.A2.I33	Advances in Survival Analysis - 1	NSSC-B
In Memorium: Saurabh Ghosh		NSSC-C
27.A2.I34	Statistical Modeling and Inference in Complex Structured High-Dimensional Data	MSSH
27.A2.I35	Bayesian nonparametrics - foundation	MSCR-1
27.A2.C6	Contributed Session 6	Math-LH1
27.A2.C7	Contributed Session 7	Math-LH3

27.A2.C8   Contributed Session 8   **Math-LH4**

Wednesday December 28

Time: 9:00 - 10:20

28.M1.I36   Modern methods for high-dimensional and distributed multivariate analysis   **NSSC-A**

28.M1.I37   Recent advances in Bayesian Computation for high-dimensional data   **NSSC-B**

28.M1.I38   Biostatistics   **NSSC-C**

28.M1.I39   Dynamic Treatment Regimes and Reinforcement Learning   **MSSH**

28.M1.I40   Graphical models and dependence   **MSCR-1**

28.M1.I41   Advances in Markov chain Monte Carlo   **MSCR-2**

Student Paper Competition 2   **Math-LH1**

28.M1.C9   Contributed Session 9   **Math-LH3**

28.M1.C10   Contributed Session 10   **Math-LH4**

Time: 11:00 - 12:20

Special Invited Session 2   Bas Kleijn, R. V. Ramamoorthi   **JNTA**

28.M2.I42   Modern Applied Statistics   **NSSC-A**

28.M2.I43   Understanding the failures of neural networks   **NSSC-B**

28.M2.I44   Machine learning   **NSSC-C**

28.M2.I45   Recent developments in exploratory data analysis   **MSSH**

28.M2.I46   Challenges in the Analysis of Longitudinal Studies   **MSCR-1**

28.M2.I47   Inference for high-dimensional and functional data   **MSCR-2**

Time: 14:00 - 15:00

Plenary Lecture 3   Igor Pruenster   **JNTA**

Time: 15:10 - 16:30

Panel Discussion 3   Women in Statistics and Data Science   **JNTA**

28.A1.I48   Some advances in Bayesian methods and computation for robust inference in complex data   **NSSC-A**

28.A1.I49   Statistical Modeling of Covid-19 Pandemic   **NSSC-B**

28.A1.I50   Random Growth and Games   **NSSC-C**

28.A1.I51   Modern methods time series analysis   **MSSH**

28.A1.I52   Large-scale Statistical Inference and applications   **MSCR-1**

28.A1.I53   Statistics of Financial Markets   **MSCR-2**

Time: 17:10 - 18:30

Poster Session   **NSSC**

28.A2.C11   Contributed Session 11   **Math-LH1**

28.A2.C12   Contributed Session 12   **Math-LH3**

28.A2.C13   Contributed Session 13   Math-LH4

Thursday December 29

29.M1.I54   Large scale Bayesian analyses   NSSC-A

29.M1.I55   Methods for Imaging and Omics Data Science: Advances, Applications, and Spatiotemporal Innovations
NSSC-B

29.M1.I56   Pandemic forecasting: Lessons learned from COVID-19   NSSC-C

29.M1.I57   Recent Advancements in Clinical Trial Conduct, Design and Analyses   MSSH

29.M1.I58   Reliability & Survival Modeling   MSCR-1

29.M1.I59   Probability and its Applications   MSCR-2

29.M1.C14   Contributed Session 14   Math-LH1

29.M1.C15   Contributed Session 15   Math-LH3

29.M1.C16   Contributed Session 16   Math-LH4

Special Invited Session 3   Kavita Ramanan, Bodhisattva Sen   JNTA

29.M2.I60   Recent Advances in Online Learning   NSSC-A

29.M2.I61   Novel approaches to measurement error correction in wearable devices   NSSC-B

29.M2.I62   Recent Trends in Biostatistical Methods   NSSC-C

29.M2.I63   Statistical Inference on Complex Data   MSSH

29.M2.I64   Statistical methods in environmental research   MSCR-1

29.M2.I65   Statistical techniques for Hydroclimatic applications   MSCR-2

Bahadur memorial lecture   Soumndranath Lahiri   JNTA

Panel Discussion 4   Data, Models and Modelers during a Global Pandemic   JNTA

29.A1.I66   Recent advances in time series analysis   NSSC-A

29.A1.I67   Simulates and Surrogates in Complex Statistical Learning   NSSC-B

29.A1.I68   Bayesian application in Drug Development   NSSC-C

29.A1.I69   Applied Probability and Heavy Tails   MSSH

29.A1.I70   Applications of regression techniques in interdisciplinary research   MSCR-1

29.A1.I71   Application of Statistics/ML/Data Science in Telecom domain   MSCR-2

29.A2.I72   Recent advances in sequential methodologies   NSSC-A

29.A2.I73   Advancements and contemporary applications of causal inference.   NSSC-B

29.A2.I74   Addressing healthcare challenges through data and machine learning   NSSC-C

29.A2.I75   Statistical methods in Genetics, Genomics, Microbiome and Clinical Decision Making   MSSH

29.A2.C17	Contributed Session 17	**Math-LH1**
29.A2.C18	Contributed Session 18	**Math-LH3**
29.A2.C19	Contributed Session 19	**Math-LH4**

Friday December 30

Time: 9:00 - 10:30

Short Course 2	Short Course on R (Part 1)	**NSSC-A**
Short Course 3	Short Course on Deep learning (Part 1)	**NSSC-B**

Time: 9:00 - 10:20

30.M1.I76	Statistics and Machine Learning	**NSSC-C**
30.M1.I77	Copula and Survival Analysis	**MSSH**
30.M1.I78	Applied Probability and Statistical Physics	**MSCR-1**

Time: 11:00 - 12:30

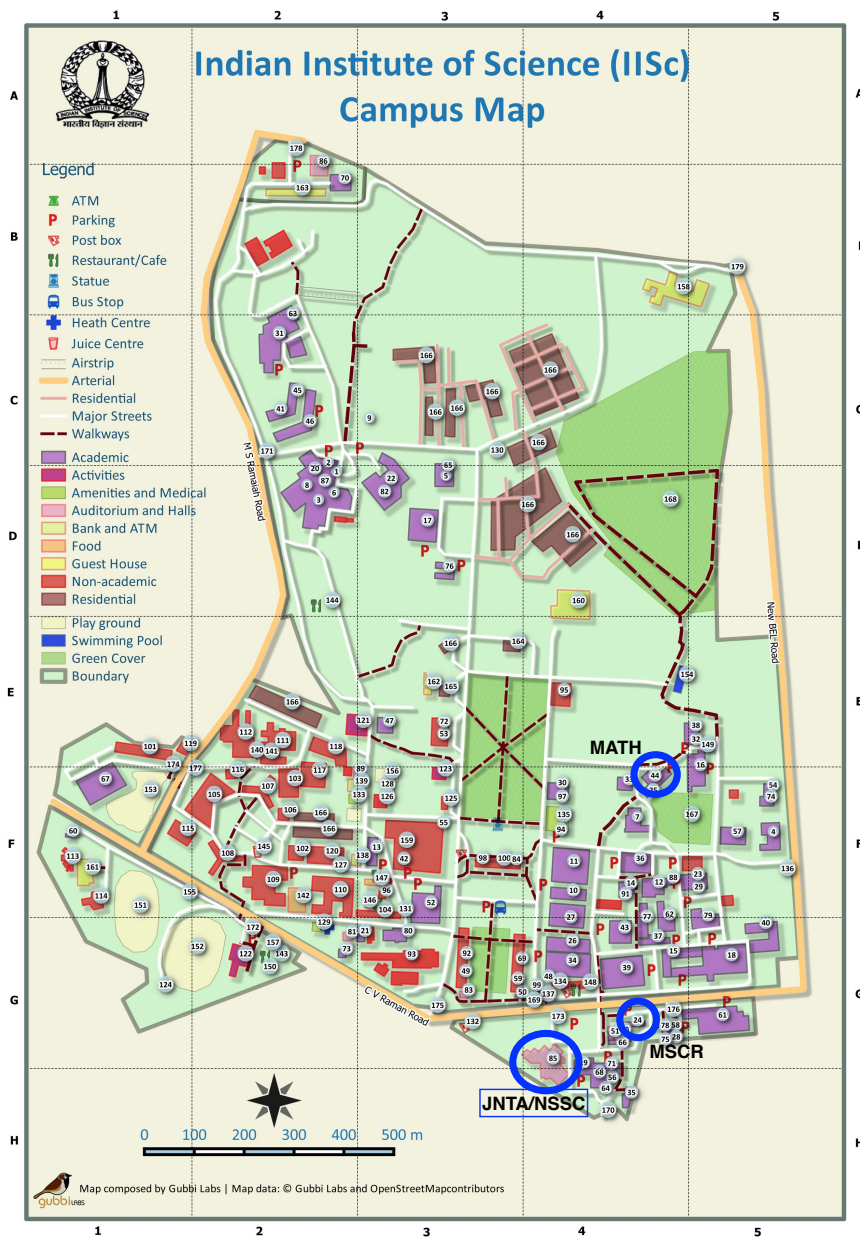|		
Short Course 4	Short Course on R (Part 2)	**NSSC-A**
Short Course 5	Short Course on Deep learning (Part 2)	**NSSC-B**

Time: 11:00 - 12:20

Special Invited Session 4	Saonli Basu, Asha Gopalakrishnan	**JNTA**
30.M2.I79	Statistical Aspects of Robustness and Distribution-Shift	**NSSC-C**
30.M2.I80	Design and Reliability	**MSSH**
30.M2.I81	Random Sets and Graphs	**MSCR-1**
30.M2.I82	Recent Advances in Functional Data Analysis	**MSCR-2**

Time: 13:50 - 17:00

Short Course 6	Short Course on R (Part 3)	**NSSC-A**
Short Course 7	Short Course on Deep learning (Part 3)	**NSSC-B**

Campus Map

WiFi

Username	Password
guest3.mgmt@iisc.ac.in	guestmgmt@3491
guest4.mgmt@iisc.ac.in	guestmgmt@3550
eduroam	

- For specific instruction to connect to the IISc Wlan, please contact the reception desk.