

## Final Schedule of the NET-SET Workshop

Sr. no.	Subject	Speaker	Dates	Number of sessions
1	Real Analysis	Mr. Krishnat Masalkar (Functions of bounded variation, Convergence theorems in Lebesgue integration, sequence of functions)	11-01-2023 12-01-2023	2
		Mr. Prakash Phulari (Riemann integration, Improper integrals, Normed linear spaces)	13-01-2023 16-01-2023	2
		Mr. Siddharth Bhalerao (sequence, series, , uniform continuity, mean value theorems)	14-01-2023 15-01-2023	2
2	Linear Algebra	Dr. Nitin Darkunde (vector spaces, bases and dimension)	18-01-2023	1
		Mr. Subhash Darkunde (Quadratic forms)	19-01-2023	1
		Mr. Krishnat Masalkar (Inner product spaces and operators)	20-01-2023 21-01-2023	02
		Mr. Gahininath Sonawane (Linear transformation)	23-01-2023	01
		Dr. Ganesh Kadu (Canonical forms)	24-01-2023 25-01-2023	02
3	Abstract Algebra	Mr. Prashant Pise (Combinatorics)	27-01-2023	1
		Prof. Dr. Anil Khairnar (Group Theory)	28-01-2023	1
		Dr. Manish Aglave (Ring Theory)	30-01-2023	1
		Dr. Shrinath Manjarekar (Finite fields)	31-01-2023	1
		Mr. Pramod Momale (Field extensions)	01-02-2023	1
4	Complex Analysis	Mr. Pratul Gadagkar (Analytic functions and mappings)	02-02-2023 03-02-2023	2
		Dr. Geetanjali Phatak (Singularities, Cauchy –residue theorem etc.)	04-02-2023 06-02-2023	2
		Prof. Dr. V. M. Sholapurkar (Maximum Modulus Theorem, Argument Principle, Identity mapping theorem, Schwartz lemma, Picard's theorems, etc.)	07-02-2023 08-02-2023	2

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5	Advanced Calculus	Prof. Dr. Anil Khairnar (Directional derivatives, Derivative)	09-02-2023	1
		Mr. Nanasahab Phatangare (Inverse function theorem, implicit function theorem)	10-02-2023	1
6	Metric spaces and topology	Dr. Vinayak Nikumbh (Metric spaces: limit points, Compactness, Urysohn 's lemma , Baire-Category theorem)	12-02-2023	1
		Mr. Sadashiv Puranik (Metric spaces: Connectedness, completeness)	13-02-2023	1
		Mr. Prasad Lonkar (Topology)	14-02-2023	1
7	Ordinary Differential Equations	Dr. Rahul Mapari	15-02-2023 16-02-2023	2
8	Partial Differential Equations	Dr. Ramdas Sonawane	17-02-2023 18-02-2023	2
9	Integral Equations	Dr. Kishor Kuchhe (Symmetric kernels, Resolvent kernel )	20-02-2023	1
		Mrs. Shubhangi Shinde (Green's function )	21-02-2023	1
10	Calculus of variation and Mechanics	Dr. Chintaman Aage	22-02-2023 to 24-02-2023	3
11	Problems on Number theory	Mr. Parshuram Ahire	25-02-2023	1
12	Linear Programming Problems	Mr. Shivaji Tarate	27-02-2023	1
13	Numerical Analysis	Prof. Dr. Anjali Kamale	28-02-2023	1

## **Final Schedule of the NET-SET Workshop**

**Please follow the Guidelines given below:**

- 1) Each session is of 2 hours.**
- 2) Time for session: 5:00 pm to 7:00 pm.**
- 3) Resource persons from a group should coordinate each other and distribute topics among them and make them as per convenient dates.**
- 4) Lectures should be problem oriented with little theory.**
- 5) We can emphasize on problems in previous year question papers of NET /GATE /NBHM Exams.**
- 6) Also we have to construct separate problem sheets for practice and sessions.**