

**Lecture Schedule: 19th February 2024. Registration from 9:00-9:45**

<b>9:45-10:00</b>	<b>10:00-11:25</b>	<b>TEA</b>	<b>11:45-12:55</b>	<b>LUNCH</b>	<b>2:30-3:30</b>	<b>TEA</b>	<b>3:45- 5:00</b>	<b>5:00-6:00</b>
Inauguration	ST Overview		PKR		EKN		ST	

**Lecture Plan - (20<sup>th</sup> - 24<sup>th</sup> February 2024).**

<b>Date</b>	<b>9:00-10:10</b>	<b>10:15-11:25</b>	<b>TEA</b>	<b>11:45-12:55</b>	<b>LUNCH</b>	<b>2:30-3:30</b>	<b>TEA</b>	<b>3:45- 5:00</b>	<b>5:00-6:00</b>
20 /02/24	EKN	PKR		ST		Tutorial (ST)		EKN	
21 /02/24	ST	EKN		PM (Zoom)		Tutorial (EKN)		ST	
22 /02/24	PKR	ST		EKN		Tutorial ( ST )		PKR	
23 /02/24	PM	PKR		ST		Tutorial (EKN)		PM	
24 /02/24	ST - SpecEst	PM		JK		Tutorial (ST)		Tutorial (PM)	

**Speakers and Topics**

<b>ST: S. Thangavelu</b>	<i>Singular Integrals -<math>L_p</math> boundedness, Spectral estimates on sphere</i>
<b>PKR: P K Ratnakumar</b>	<i>Fourier multipliers - basics</i>
<b>EKN: E.K. Narayanan</b>	<i>Maximal functions - <math>L_p</math> boundedness</i>
<b>PM: Parasar Mohanty</b>	<i>Littlewood-Paley theory</i>

### Lecture Plan - (26<sup>th</sup> February - 2<sup>nd</sup> March 2024)

Date	9:00-10:10	10:15-11:25	TEA	11:45-12:55	LUNCH	2:30-3:30	TEA	3:45- 5:00	5:00-6:00
26 /02/24	SS (Zoom)	ST - SpecEst		JK					AB (Zoom)
27 /02/24	JK	RG		SS (Zoom)				Tutorial (JK)	AB (Zoom)
28 /02/24	SS (Zoom)	JK		RG				Tutorial (RG)	AB (Zoom)
29 /02/24	RG	TG		SS (Zoom)				Tutorial (SS)	AB (Zoom)
01/03/24	TG	RG		JK				Tutorial (RG)	AB (Zoom)
02/03/24	JK	TG		RG		Tutorial (JK)			

### Speakers and Topics:

ST : S. Thangavelu	<i>Spectral estimates on sphere</i>
JK: Jotsaroop Kaur	<i>Special multiplier theorems: Hormander-Mihilin, Marcinkiewicz etc.</i>
RG: Rahul Gang	<i>Pseudo-differential operators</i>
SS: Saurabh Shrivastava	<i>Bi-linear Fourier multipliers</i>
AB: Agnid Banerjee	<i>Restriction theorems and applications to PDE</i>
TG: Tuhin Ghosh	<i>H-measures and applications</i>