



**Yajushi Srivastava**  
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Department of Mathematics,  
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Nationality : Indian

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## EDUCATIONAL QUALIFICATIONS

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Integrated PhD IISER Tirupati	CGPA - 9.3/10	September 2020-Present
B.Sc. in Mathematics, Physics, Chemistry Navyug Kanya Mahavidyalaya, Lucknow University, UP	79.11%	2017-2020
Senior School Certificate Examination (SSCE, CBSE)	91.4%	2017
Secondary School Examination (SSE, CBSE)	CGPA - 10/10	2015

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## ACADEMIC ACHIEVEMENTS

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- Received the Academic Excellence Award -2023, IISER Tirupati
  - Cleared IIT-JAM 2020 Mathematics with AIR 139.
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## CONFERENCES/ TALKS ATTENDED/UPCOMING

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- Math Expository Lecture Series conducted by Department of Mathematics , IISER Tirupati, January 2021-April 2021.
  - French Indian Workshop ENS-IISER , May 2021 (jointly conducted by ENS, France and IISER, India) on Exchange of practices on Education and Pedagogical approaches.
  - Inter IISER-NISER Mathematics Meet, July 2021, hosted by IISER Tirupati.
  - Mathe-Gespräche Talk Series conducted by IISER Tirupati, August 2021 - March 2022 .
  - Advanced Instructional Schools (AIS) - Topics in Birational Geometry (2023-Upcoming)
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## PROJECTS

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- **Fourier analysis under the guidance of Dr. Lakshmi Lavanya Ramamurthy, IISER Tirupati.** (May 2021 - July 2021)  
*Studied Hilbert spaces, the theory of Fourier analysis and applied it to the case of finite Abelian groups.*
  - **Introductory abstract harmonic analysis under the guidance of Dr. Lakshmi Lavanya Ramamurthy, IISER Tirupati.** (August 2021 - November 2021)  
*Studied the generalisation of the concepts of Fourier analysis in the context of locally compact Abelian groups ; Haar integral and its properties.*
  - **Introduction to Algebraic K-Theory under the guidance of Dr. Girja Shanker Tripathi, IISER Tirupati** (January 2022 - May 2022)  
*Computed  $K_0(\mathcal{R})$  for principal ideal domain (PID) and for local rings. Studied the Dedekind domains and their characterisation and proved that the ring of algebraic integers in a number field is a Dedekind domain.*
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## TEACHING ASSISTANCE

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- MTH-211 Multivariable calculus – Monsoon Semester (August 2022 - November 2022)
  - MTH-221 Basic Structures in Mathematics – Spring Semester (January 2023 - April 2023)
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## REFERENCES

Dr. Girja Shanker Tripathi	girja@labs.iisertirupati.ac.in	08772500427
Dr. Anilatmaja Aryasomayajula	anil.arya@labs.iisertirupati.ac.in	08772500425