

MEGHANA BHAT

Indian Institute of Technology Dharwad

📍 Walmi campus, PB Road, Near High Court, Dharwad - 580011
@ meghana.bhat@iitdh.ac.in  www.linkedin.com/in/meghanamath

EDUCATION

Ph.D. Mathematics (July 2021 – Present)

Indian Institute of Technology Dharwad

CGPA: 9.56/10

Research Area - **Commutative Algebra**

Supervisor - **Dr. Shreedevi Masuti**

Master of Science (2019-21)

Pondicherry University, Pondicherry

CGPA: 9.49/10

Bachelor of Science (2016-19)

Mahatma Gandhi Memorial College, Udupi

Percentage: 92.46%

Pre-University Course (2014-16)

Y.T.S.S. Composite PU College, Yellapur

Percentage: 96%

Secondary School Leaving Certificate (2014)

Y.T.S.S. Composite Junior College, Yellapur

Percentage: 96.48%

COURSEWORK

- Introduction to Graduate Algebra
- Differential Topology
- Advanced Algebra
- Algebraic Topology
- Commutative Algebra (Reading course)

TEACHING ASSISTANT/MENTORING

- Linear Algebra, Differential Equations-I (Spring-2022)
- Complex Analysis, Differential Equations-II (Autumn-2021)
- Mentor for the Online Foundation Course in Mathematics (OFCM-2020) held online by MTTs. (4th-20th Oct' 2020)

TECHNICAL SKILLS

 \LaTeX

 Macaulay2

 SageMath

SCHOLARSHIPS/ACHIEVEMENTS

- Selected for the **INSPIRE Fellowship-JRF**. (2022)
- Qualified **GATE-2021, CSIR-NET LS June-2021**. (2021)
- Received **Dr. T.M.A Pai Gold Medal** as the best student in the final degree from MGM College, Udupi. (2019)
- Recipient of **INSPIRE Scholarship (SHE)**. (2016-21)
- Awarded **Adarsha Vidyarthini** as an ideal outgoing student from Y.T.S.S. Yellapur. (2014)
- Recipient of **National Means-Cum-Merit Scholarship Scheme Examination (NMMS)**. (2012-16)

RESEARCH PROJECTS

Representation theory of finite groups (2020)

Supervisor: Prof. K. N. Raghavan, IMSc Chennai

- Further reading on representation theory of finite groups and character theory. Explored supercharacter theory.

Representation theory of finite groups (December 2019)

Supervisor: Dr. Ananthnarayan Hariharan, IIT Bombay

- Read the book Representation theory of finite groups by Benjamin Steinberg and completely listed the complex representations up to isomorphism of abelian groups, dihedral groups and all groups up to order 15.

WORKSHOPS

- Attended Sagedays 114 held at The Institute of Mathematical Sciences, Chennai. (25th July - 27th July 2022)
- Attended NCM Workshop on Maximal Cohen-Macaulay Modules held at CMI, Chennai. (11th July - 17th July 2022)
- Attended Graduate Course on Tight Closure of Ideals and its Applications held online by International Centre for Theoretical Physics, Italy. (16th May - 25th July 2022)
- Attended NCM Workshop on Intersection Theory held at IIT Bombay. (2nd May - 13th May 2022)
- Participated in Mathematics Training Programme and Talent Search (MTTS) Level O,1, 2. (2018,2019,2020)

EXTRA CURRICULAR ACTIVITIES

- Won second prize in Mathematics event of the national level science fest Imprints 2018 and 2019 respectively held at St. Aloysius college, Mangalore. (2018-19)
- Participated and won prizes in quiz and seminar competitions of Mangalore university level fests *Scientica*, *Colloquium*, etc. held at various colleges. (2018-19)