

Dr.Jyothi Digge

PhD (Electronics and Telecommunication Engineering)

Specialization: Photonics & Optical Communication & Networks

Designation: Professor & Head,Dept.of EXTC

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Sector 16A,Nerul,Navi Mumbai 400706

Professional Qualification:

- **Ph.D in Electronics & Telecommunication Engineering, 2015**
SGB, Amravati University,
- **ME in Electronics and Telecommunication Engineering**
University of Mumbai Maharashtra (University Topper)
- **BE in Electronics and Communication Engineering, 1987 with distinction.**
SJCE Mysore, University of Mysore (Aided)

Short Biodata:

Schooling and HSC from St Gerosa Convent & St. Agnes College, topmost education body (Girls) of Mangaluru, 10th and 12th topper, Govt. of India Merit Scholarship holder,

Bhagavad Geetha (17th Chapter) Recitation I Rank district level,

State level competition Jacyiana, Ist Prize for Ballet

Cleared UNO examination with first class, 1980

Won many laurels for Elocution, Essay, Debate and collage at district level.

Member of UPSC panel and BOS MEMBER University of Mumbai. PG, PhD approved guide of MU and syllabus setter for EXTC subjects at UG and PG level.

USSC committee member at various colleges as subject expert.

Recipient of Grant from BRNS (BARC), MODROB (AICTE) and Minor research grant from University of Mumbai

Recipient of a) AVISHKAR GOLD MEDALIST, INTER UNIVERSITY RESEARCH CONVENTION, CONFERRED BY GOVERNOR OF MAHARASHTRA.

b) GLOBAL INTELLECT AWARD FOR BEST TEACHER, CONFERRED BY IEEE Bombay Section and JOCR in 2021.

Patents/ Products/ Consultancy:

Products Developed: 1)Micro structured (9 micron) Photonic Crystal Protein Sensor
2)Amethyst coated soda lime glass

Patents:

2 : One granted (utility patent) and 1 published (examination awaited)

Consultancy Projects:

Optical Patch Panel Design for offshore applications, at Dubai,UAE,

Reviewer:

1. National and international conferences (IEEE) , reviewer of OSA letters & others.

Major Subjects:

➤ All UG,PG and PhD subjects of EXTC at MU and MIS,PM and CP of IT.

Citation Analysis:

Citation: 82,h Index 4, I10 index 2

<https://scholar.google.com/citations?hl=en&user=NN446S4AAAAJ>

List of Publication:

Journal Publications:

1. 30 Journal Publications,

Conferences and Workshops Publications:

38 International conferences, held in India and abroad. Viz. PHOTONICs by IITS, IEEE signature conference conducted by IEEE regional body and others.

- **Ph.D. Research:** Photonic Crystal Based (PCW) based Demux fpr Optical Communications
- **M. E. Research:** Design and Analysis of AWG Demux .SAMEER PROJECT FOR DRDO

Funding Received:

25 lakshs Under BRNS

5 lakhs from MODROB from AICTE

40 Thousand from University of Mumbai

Book/Book chapter published: 02

Software Tools:

1. C.C++,VB, MATLAB and PYTHON,
2. Optisystem,OptiFDTD, Opti Fiber, Opti BPM,Optsim,Lumerical solutions, CISCO packet tracer and GLAD

Professional Association:

- Optical Society of America (OSA) annual member
- Indian Society of Technical Education (ISTE) - Life Member

Experience:.

35 ,Industry(6 months),Teaching (33) and Consultancy(2years, abroad)

Responsibilities Handled:

HOD (IT) for 7 years), PG Coordinator (2 Years) and HOD EXTC from 2018 onwards till date.
Organizer of EQUINOX twice, CC& SS for University examination.

Talks/Guest Lectures Delivered:

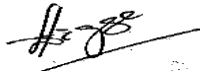
1. At International Conferences, ATAL FDPs at Terna and DYPATIL University, guest lecture for workshop and expert talks at various colleges

SESSION CHAIR/JUDGE:

1. International conferences at TEC, VESIT and AVALON, AVISHKAR Zonal and Final Round.

Declaration

I hereby declare that the foregoing information are correct and complete to the best of my knowledge.



Dr.Jyothi Digge

Place: Navi Mumbai