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## About IIIT Dharwad

Established in 2015 by the Government of India, the Government of Karnataka, and industry partner Keonics, IIIT Dharwad offers world-class education tailored to meet industry needs. The institute focuses on bridging the skill gap in high-end information technology, ensuring India retains its leadership role in IT and related fields. With its strategic location and commitment to excellence, IIIT Dharwad is poised to become a leading institute of national importance.

**650+ Alumni | 60+ Faculty | 200+ Publications**



## About the M.Tech in Data Science and Artificial Intelligence Program

The M.Tech. in Data Science and Artificial Intelligence (DSAI) at IIIT Dharwad is designed to address the growing demand for professionals skilled in advanced AI and data science. This DSAI program emphasizes the integration of theory with practical skills in AI technologies, including machine learning, deep learning, natural language processing, and AI for finance and health. Real-world problem-solving, through intensive project work, prepares students for roles in research industry, and entrepreneurship.

**Duration: 2 years or 4 Semesters**

# Curriculum

Semester I	Semester II	Semester III	Semester IV
Applied Mathematics for Data Science	AI Systems Lab	Project-III	Project-IV
Advanced Learning Algorithms	Research Survey and Seminar	Electives (1/2/3/4 credits)	Electives (1/2/3 credits)
Data Science Lab	Electives (1/2/3/4 credits)		
Elective	Project-II		
Introduction to Research			
Project-I			

## Admission Process:

- Eligibility: B.E./B. Tech/M.Sc./MCA.
- Entrance Exam: Valid GATE/NET score or equivalent institute-level qualifying criteria. A GATE/NET score is mandatory for those seeking scholarships.
- Admission Rounds: Held in four cycles - January, April, July and October with candidates shortlisted based on their on-demand written entrance exam and interview scores.

## Total Credits

Component	Credits
Discipline Core	10
Master's Core	4
Elective/Specialization	16
Project Work	30
<b>Total</b>	<b>60</b>

## Discipline core courses

Discipline Core Courses			
Sl. No.	Courses	Credits	Sem
1	Applied Mathematics for Data Science	3	I
2	Advanced Learning Algorithms	3	I
3	Data Science Lab	2	I
4	AI Systems Lab	2	II
<b>Total Credit</b>		<b>10</b>	

## Master's core courses

Master's Core Courses			
Sl. No.	Courses	Credits	Sem
1	Introduction to Research	2	I
2	Research Survey and Seminar	3	II
<b>Total Credit</b>		<b>4</b>	

## Elective basket

NLP and Speech Specialization	Computer Vision-Specialization	Generative AI
Natural Language Processing	Fundamentals of Computer Vision	Advanced Deep Learning
Information Retrieval	Object Detection and Recognition	Generative AI
Conversational AI	3D Vision and Geometry	Deep Speech Processing
Social Media Analytics	Vision for Autonomous Systems	Large Language Models
Speech Recognition Systems	Deep Learning for Vision	Text and Speech Generation with Advanced Models
Speech Synthesis	AI in Healthcare-Specialization	Visual Creativity with Generative AI
Spoken Language Understanding	Bioinformatics	
Speaker Identification and Verification	Healthcare Data Analytics	
Financial Analytics Specialization	Computational Biology	
Financial Data Analytics	Biomedical Image and Signal Proc.	
Numerical Methods in Finance	Statistics for Health Technology	
Computational Financial Modelling		
Applied Econometrics		

# Know Your Faculty



Prof. S. R. Mahadeva Prasanna  
Professor and Director



Dr. Deepak K T  
Assistant Professor, Department  
of ECE



Dr. Abdul Wahid  
Assistant Professor, Department  
of CSE



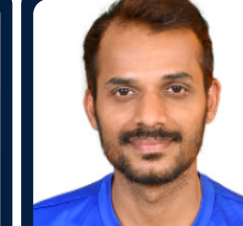
Dr. Dibyajyoti Guha  
Assistant Professor, Department  
of CSE



Dr. Girish G N  
Assistant Professor, Department  
of CSE



Dr. Krishnendu Ghosh  
Assistant Professor, Department  
of CSE



Dr. Sunil C K  
Assistant Professor, Department  
of CSE



Dr. Sunil Kumar P V  
Assistant Professor, Department  
of CSE



Prof. Rajesh Vasa  
Adjunct Professor, Department  
of CSE



Dr. Sunil Saumya  
Assistant Professor, Department  
of DSAI



Dr. Prabhu Prasad B M  
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of CSE



Dr. Animesh Chaturvedi  
Assistant Professor, Department  
of DSAI



Dr. Manjunath K Vanahalli  
Assistant Professor, Department  
of DSAI



Dr. Ramesh Athe  
Assistant Professor, Department  
of DSAI



Dr. Shrishendu Layek  
Assistant Professor, Department  
of DSAI



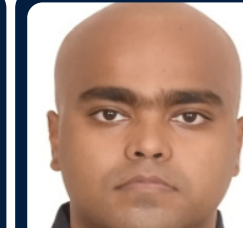
Dr. Siddharth R  
Assistant Professor, Department  
of DSAI



Dr. Utkarsh Khaire  
Assistant Professor, Department  
of DSAI



Dr. Chinmayananda  
Assistant Professor, Department  
of ECE



Dr. Rajib Sharma  
Assistant Professor, Department  
of ECE



Dr. Nataraj K S  
Assistant Professor, Department  
of ECE



Dr. Sibasankar Padhy  
Assistant Professor, Department  
of ECE

## Flexible Re-Entry and Multi-Exit Options:

- M.Tech Degree: Complete 60 credits (4 semesters), including extensive project work focused on real-world applications of AI.
- This flexibility allows students to pause and return to their studies, accommodating working professionals. The maximum duration to complete the program is four years.

## Campus Immersion

The program offers an optional 7-day on-campus immersion, providing students with the opportunity to engage in hands-on lab work and interact directly with faculty. The immersion can be scheduled flexibly and is designed for online students seeking practical experience.





## DHARWAD

IIIT Dharwad Campus, Ittigatti Road,  
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