

15.06.2024

Second Round of Ph.D. Admission ((Regular Full Time/ Part time mode) in School of Mathematical and Statistical Sciences, IIT Mandi (Odd Semester 2024-25)

School of Mathematical & Statistical Sciences of IIT Mandi invites application for the second round admission to Doctor of Philosophy (PhD) programme in a variety of disciplines and interdisciplinary areas under Regular Full-Time mode/ Part time mode.

Minimum Eligibility for Admission in Ph. D .Programme:

S.No	Discipline	Broad Research Areas	Qualification for Admission
1	Mathematics	<ul style="list-style-type: none"> Differential Equations with deep learning/ Machine Learning approach Computational Fluid Dynamics 	<p>Master's degree in Mathematics/Applied Mathematics/ Engineering/ Technology with a good academic records and also qualified GATE or UGC/ CSIR/ NET or DST Inspire or other equivalent national level examination.</p> <p style="text-align: center;">Or</p> <p>Bachelor's degree holder in Engineering/ Technology from any CFTIs with a minimum CGPA of 7.5 on a 10.0-point scale.</p> <p style="text-align: center;">Or</p> <p>Bachelor's degree holder in Engineering/ Technology from any Non CFTIs with at least CGPA of 7.5 on a 10.0-point scale with valid GATE score in relevant subject or other National level exam at the time of admission.</p> <p style="text-align: center;">Or</p> <p>Bachelor's degree holder in Engineering/ Technology and serving for two years or more in a reputed R&D organization and having a proven research record.</p> <p style="text-align: center;">Or</p> <p>B.Tech/B.E./B.S./(or equivalent) degree from CFTI/ any of the top 100 institutes according to NIRF ranking (overall category) at the time of application/ any Himachal Pradesh Govt. institutes or universities with CGPA/CPI of at least 7.5 (on a scale of 10) or equivalent</p> <p style="text-align: center;">Or</p> <p>BS-MS/ M.Sc./MA/MBA/ equivalent from IITs, IISERs, IISc, IIMs, or any of the top 100 institutes according to NIRF ranking (overall category) at the time of application with a CGPA/CPI of at least 7.5 (on a scale of 10) of equivalent.</p> <p style="text-align: center;">Or</p> <p>NIRF ranking (within top 100) should be in overall category granted for the year during which admission is sought.</p> <p>Qualification for Admission to get the HTRA fellowship. https://insite.iitmandi.ac.in/circulars/show.php?ID=IITMandi/Acad/Senate/2023/2196-2201</p>
2	Theoretical Computer Science	<ul style="list-style-type: none"> Graph Algorithms Algorithms and Data Structures 	<p>Bachelor's degree holder in Engineering/ Technology from any CFTIs with a minimum CGPA of 7.5 on a 10.0-point scale.</p> <p style="text-align: center;">Or</p> <p>Bachelor's degree holder in Engineering/ Technology from any Non CFTIs with at least CGPA of 7.5 on a 10.0-point scale with valid GATE score in relevant subject or other National level exam at the time of admission.</p> <p style="text-align: center;">Or</p> <p>Bachelor's degree holder in Engineering/ Technology and serving for two years or more in a reputed R&D organization and having a proven research record.</p> <p style="text-align: center;">Or</p> <p>B.Tech/B.E./B.S./(or equivalent) degree from CFTI/ any of the top 100 institutes according to NIRF ranking (overall category) at the time of application/ any Himachal Pradesh Govt. institutes or universities with CGPA/CPI of at least 7.5 (on a scale of 10) or equivalent</p> <p style="text-align: center;">Or</p> <p>BS-MS/ M.Sc./MA/MBA/ equivalent from IITs, IISERs, IISc, IIMs, or any of the top 100 institutes according to NIRF ranking (overall category) at the time of application with a CGPA/CPI of at least 7.5 (on a scale of 10) of equivalent.</p> <p style="text-align: center;">Or</p> <p>NIRF ranking (within top 100) should be in overall category granted for the year during which admission is sought.</p> <p>Qualification for Admission to get the HTRA fellowship. https://insite.iitmandi.ac.in/circulars/show.php?ID=IITMandi/Acad/Senate/2023/2196-2201</p>
3	Statistics, Optimization, Fuzzy Logic and Applications	<ul style="list-style-type: none"> Applied Time Series Analysis Climate Change Reliability theory, Machine Learning & Time Series Indian monsoon rainfall Extreme events like cloudbursts Data analytics Numerical Optimization Heuristic Optimization Portfolio Optimization Convex Optimization Fuzzy Optimization Credibilistic Portfolio Optimization 	<p>Bachelor's degree holder in Engineering/ Technology from any CFTIs with a minimum CGPA of 7.5 on a 10.0-point scale.</p> <p style="text-align: center;">Or</p> <p>Bachelor's degree holder in Engineering/ Technology from any Non CFTIs with at least CGPA of 7.5 on a 10.0-point scale with valid GATE score in relevant subject or other National level exam at the time of admission.</p> <p style="text-align: center;">Or</p> <p>Bachelor's degree holder in Engineering/ Technology and serving for two years or more in a reputed R&D organization and having a proven research record.</p> <p style="text-align: center;">Or</p> <p>B.Tech/B.E./B.S./(or equivalent) degree from CFTI/ any of the top 100 institutes according to NIRF ranking (overall category) at the time of application/ any Himachal Pradesh Govt. institutes or universities with CGPA/CPI of at least 7.5 (on a scale of 10) or equivalent</p> <p style="text-align: center;">Or</p> <p>BS-MS/ M.Sc./MA/MBA/ equivalent from IITs, IISERs, IISc, IIMs, or any of the top 100 institutes according to NIRF ranking (overall category) at the time of application with a CGPA/CPI of at least 7.5 (on a scale of 10) of equivalent.</p> <p style="text-align: center;">Or</p> <p>NIRF ranking (within top 100) should be in overall category granted for the year during which admission is sought.</p> <p>Qualification for Admission to get the HTRA fellowship. https://insite.iitmandi.ac.in/circulars/show.php?ID=IITMandi/Acad/Senate/2023/2196-2201</p>
4	Artificial Intelligence, Machine Learning	<ul style="list-style-type: none"> Artificial Intelligence Machine Learning Operation Research Machine Learning based Modeling Support Vector Machine Neural Networks Deep Learning Computer Vision Algorithmic Trading High Frequency Trading Explainable AI Large Language Models Generative AI and Applications 	<p>Bachelor's degree holder in Engineering/ Technology from any CFTIs with a minimum CGPA of 7.5 on a 10.0-point scale.</p> <p style="text-align: center;">Or</p> <p>Bachelor's degree holder in Engineering/ Technology from any Non CFTIs with at least CGPA of 7.5 on a 10.0-point scale with valid GATE score in relevant subject or other National level exam at the time of admission.</p> <p style="text-align: center;">Or</p> <p>Bachelor's degree holder in Engineering/ Technology and serving for two years or more in a reputed R&D organization and having a proven research record.</p> <p style="text-align: center;">Or</p> <p>B.Tech/B.E./B.S./(or equivalent) degree from CFTI/ any of the top 100 institutes according to NIRF ranking (overall category) at the time of application/ any Himachal Pradesh Govt. institutes or universities with CGPA/CPI of at least 7.5 (on a scale of 10) or equivalent</p> <p style="text-align: center;">Or</p> <p>BS-MS/ M.Sc./MA/MBA/ equivalent from IITs, IISERs, IISc, IIMs, or any of the top 100 institutes according to NIRF ranking (overall category) at the time of application with a CGPA/CPI of at least 7.5 (on a scale of 10) of equivalent.</p> <p style="text-align: center;">Or</p> <p>NIRF ranking (within top 100) should be in overall category granted for the year during which admission is sought.</p> <p>Qualification for Admission to get the HTRA fellowship. https://insite.iitmandi.ac.in/circulars/show.php?ID=IITMandi/Acad/Senate/2023/2196-2201</p>

For more details about Ph.D. Programme at IIT Mandi, please visit:

https://www.iitmandi.ac.in/pdf/ordinances//Ordinances_Ph.D.pdf

How to Apply:-

Interested candidates are encouraged to fill the online application form available in the following link:

SAMARTH PORTAL: - <https://iitmandiadm.samarth.edu.in/aug24/index.php/>

Mode of Interview: The interview will be in offline mode only.

- Reservation policies as per prevailing GOI rules will be followed.
- IIT Mandi reserves the right to admit / not admit for any of the advertised areas and apply appropriate criteria for shortlisting.
- The decision of the competent authority in all matters relating to the eligibility of the candidate, written test/Interview and admission would be final and binding on all the candidates. In case of any dispute/ambiguity that may occur in the process of admission, the decision of the Institute shall be final.
- All the details furnished in the online application will be treated as final and no changes shall be entertained. Non-submission of valid/required documents and/or incomplete applications shall be summarily rejected.

Application Fee:

Category	Amount in ₹
General/EWS/OBC/OBC(NCL)/Transgender/Foreign Nationals	200
Women/SC/ST/PD	100

Mode of Payment: Online.

For any problems regarding filling up of online application, please contact it_helpdesk@iitmandi.ac.in .
For any other queries regarding Ph.D. program in SMSS, please contact SMSS Office via following email smssoffice@iitmandi.ac.in.

Employed candidate seeking admission to Ph.D. must have to submit a “**No Objection Certificate**” from their current employer at the time of interview.

Important Dates:

Start of online application:	Saturday, 15 th June, 2024.
Deadline for online application	Friday, 05 th July, 2024, 05:00 PM (IST)

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