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ACG NEWSLETTER

Official Newsletter of AllCareerGuru.org

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A very happy new year to our readers and welcome to another edition of our newsletter. You must all be back to work from New Year and Pongal/Sankranti/Bihu/Lohri celebrations, and ready to face your exams.

Water Resources Master's program at IIT Madras



Joint MSc in Water Security & Global Change: A Premier Collaborative Program by IIT Madras...

The Indian Institute of Technology Madras (IIT Madras), in partnership with two esteemed German universities—RWTH Aachen University and Technische Universität Dresden (TUD)—along with the Global Water and Climate Adaptation Centre, launched a cutting edge Joint Master’s Program (JMP) in Water Security and Global Change. This innovative program, supported by academic collaborations with institutions like AIT, Bangkok, and UNU-FLORES, is designed to tackle some of the most pressing challenges in the fi

The program represents an excellent opportunity for students to engage in interdisciplinary research and gain expertise in managing water resources and climate-related changes. It combines academic rigor, international exposure, and hands-on learning to prepare graduates to confront global environmental challenges. The course will emphasize understanding the complex relationship between water security, climate change, and sustainable development, with an emphasis on practical, real-world solutions.

Structure of the Program

This Joint Master’s Program provides a dynamic learning experience across three renowned institutions, offering students the chance to experience diverse academic environments and research approaches. Students begin their studies at IIT Madras in India for a semester, where they will lay the foundational knowledge and skills needed to address global water security issues. In the subsequent semesters, students will study at RWTH Aachen and TUD in Germany, gaining valuable Global perspectives on water management and climate change adaptation.

The program offers flexibility, allowing students to choose the university where they wish to complete their Master's thesis. This flexibility allows for a tailored academic experience, enabling students to specialize in areas that align with their individual research interests. Furthermore, students will benefit from the unique opportunity to conduct interdisciplinary research projects, drawing from the expertise of professors and researchers at all three participating universities.

Program Objectives

The Joint MSc in Water Security and Global Change aims to equip students with the skills needed to address critical water-related challenges in a rapidly changing world. By integrating perspectives from engineering, environmental science, policy, and climate change adaptation, the program will produce graduates capable of leading initiatives that ensure sustainable water management and resilience to climate impacts.

Students will learn to work across sectors and disciplines, designing solutions that are not only scientifically sound but also socially and economically viable. The program focuses on three key areas:

1. **Water Security:** Understanding the challenges of water scarcity, pollution, and governance, and developing strategies for sustainable water use and management.
2. **Climate Change:** Assessing the impacts of climate change on water resources and developing adaptive solutions for communities worldwide.
3. **Global Sustainability:** Fostering an integrated approach to water management and climate adaptation to ensure sustainable ecosystems and communities.

Eligibility and Financial Support

This program is open to both Indian and international students with a background in engineering, including but not limited to civil, environmental, mechanical, or electrical engineering disciplines. Applicants should demonstrate a strong academic record and a keen interest in water security and climate adaptation challenges. The screening process is based on the candidate's profile, followed by an interview. There is NO entrance test required (such as GATE, JAM, or JEE).

In terms of financial support, students will receive a stipend to assist with living costs. While studying at IIT Madras, students will receive approximately 450 Euros per month. When studying in Germany, this amount increases to approximately 950 Euros per month, reflecting the cost of living in different countries.

Key Dates for 2025 Admissions

- Application Opening Date: 10th January 2025
- Application Closing Date: 28th February 2025
- Screening Process: 4th week of March 2025
- Interview Period: First two weeks of April 2025
- Offer Letter Release: 5th to 7th May 2025
- Class Commencement: Last week of July 2025

Conclusion

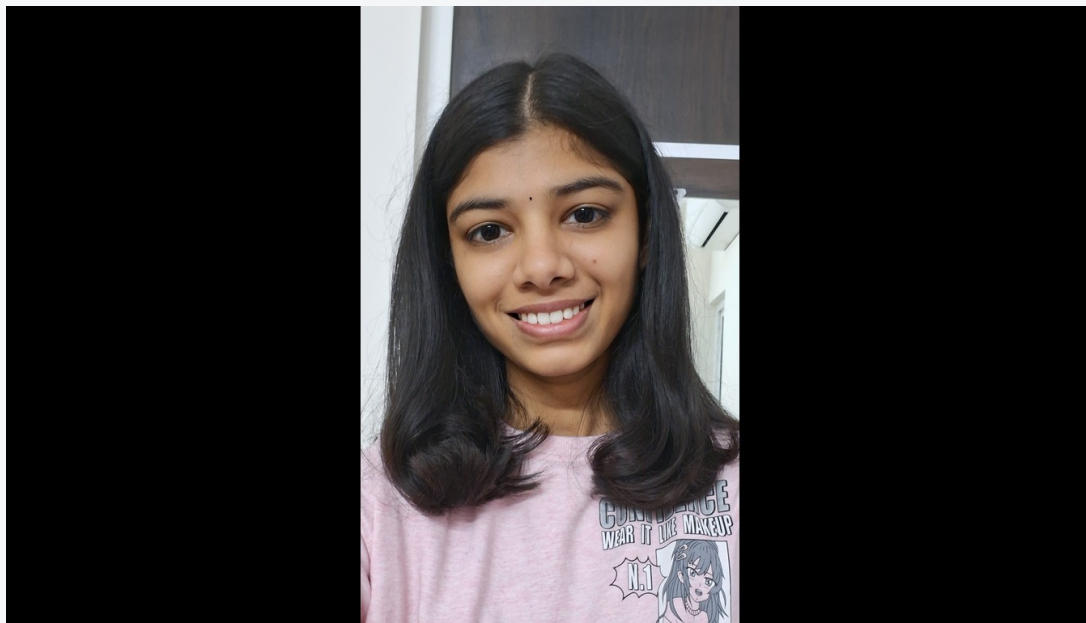
The Joint MSc in Water Security and Global Change is an exceptional opportunity for students who are passionate about addressing the complex and interconnected issues of water security and climate adaptation. By studying at prestigious institutions across India and Germany, students will gain not only academic expertise but also a global perspective on these critical issues. This interdisciplinary program will prepare graduates to become leaders in the global effort to manage water resources and adapt to the challenges posed by climate change.

For more information and to apply, visit the IIT Madras Admission Portal.

Links:

- <https://admissions.ge.iitm.ac.in/msc-ws-gc>
- <https://www.iitm.ac.in/happenings/press-releases-and-coverages/iit-madras-launches-new-international-masters-program-water>

Interview with Laxmi Thurga, a BA Economics student



When pursuing a B.A. is perceived as a choice for “losers” by some, listen to the educational journey of Laxmi Thurga, who is pursuing her second year B.A. at Hindu College, affiliated to Delhi University. She aspired for this from her tenth standard. Along the way, learn about the recently introduced Common University Entrance test (CUET), through which she secured admission to her dream college. Also hear about her journey from Kovilpatti (a small town in Tamil Nadu) to Delhi, how she gets to attend lectures by eminent experts, and her extra curricular activities. We wonder how many engineering students feel as good about their decisions after landing in an engineering college.

ACG: Tell us about your schooling.

LT: I did my schooling up to the tenth standard at Ramco Vidyalaya at Virudhunagar, and then attended MM Vidyashram at Kovilpatti for my 11th and 12th grade. In 11th and 12th, I specialised in Economics, History, Political Science, and Geography.

ACG: Was the reason to choose the subject because it is relatively light compared to math and sciences?

LT: Not at all. In fact, I liked Biology very much. However, I aspire to take the UPSC (Union Public Service Commission) exam, so I chose this group as it would help me gain the necessary knowledge to clear this exam.

ACG: What triggered your interest in Arts and UPSC?

LT: I can't pin down exactly what triggered my interest in Arts, but in my 11th standard, I met a History teacher who studied at Delhi University. Of course, I met him only after I was already in this group, but he further inspired me to aim higher in the subject. The UPSC has been on my radar since Class 11.

ACG: At any point, did you feel that, maybe your specialisation in Arts may not be the right choice as the scopes may not be very high?

LT: Yes, there were times I felt, but now I have no regrets, and I am very happy and proud of where I am.

ACG: Okay you choose the subjects at 11th, and 12th board exam is over, what next?

LT: Apart from aiming for the UPSC, I was equally clear that I wanted to pursue my B.A., preferably at one of the top colleges of India and Delhi University colleges were my first choice. I knew that I had to clear CUET (Common University Entrance Exam) to secure admission, so I prepared for it and successfully cleared the exam.

ACG: How did you know about CUET and Delhi University?

LT: As I said, one of my History teachers was a graduate of Delhi University and he inspired me. I was also inspired by my brother, who did a lot of research to choose his college for pursuing Engineering. He encouraged me to research, and to consider exploring options outside the state.

ACG: Tell us about CUET. Did you have to do extra coaching/preparations?

LT: Not at all. It was one of the easiest exams to score, but that also means it is competitive, because it is easy for everyone. The syllabus is the same as NCERT syllabus. For each course, there are specific combinations of subjects required, and these requirements can vary from one university to another. It is important to be very careful when selecting the combination of subjects, as making the wrong choice could prevent you from securing admission to your desired course or college.

ACG: Did you apply to other universities as a back-up, apart from Delhi University.

LT: Though I was confident of getting high scores and admission to Delhi University, I applied also to Tamil Nadu universities as suggested by my father. I did get into a college in TamilNadu, but was delighted to later receive admission to my dream college, Hindu College at Delhi University.

ACG: Okay, tell us about your journey from Kovilpatti to Delhi. Have you been to Delhi or north india before?

LT: No, my first visit was when I joined the college. The most difficulty I had was managing the Hindi language. While I had studied it, I felt that the spoken language was different. I knew enough to manage, but since I hadn't been in touch with it, I faced difficulties in the beginning. Now I'm comfortable.

ACG: How is life and food? Do you stay on campus? What are your extracurricular activities?

LT: I stay in a PG which is within walkable distance. We have a lot of active societies and I am part of some of them, including NSS. These societies are not just for show, but are quite active on the ground, and I am happy to be part of them. Societies are the best places to enhance our skills and gain real hands-on experience in organizing, managing, and working in a team.

ACG: Tell us about your academic life. How many students are there in your batch? How are the professors? students?

LT: It is simply amazing. Some of our professors have over 30 years of experience. We get to hear some eminent experts (for example, recent invitees included our Finance minister Nirmala Sitharaman, our External affairs minister Jaishankar, and our Vice President). There are 80 students in our batch from all over the country. Each one is talented in their own way. The interactions have broadened my thinking in many ways.

ACG: How is the workload?

LT: It is quite moderate, and is very interesting. We get to do a lot of projects.

ACG: What are your future plans? Have you joined UPSC coaching? Did the future plan change?

LT: The UPSC or some other government exam remains on my radar. I am doing some self study preparations, and hope to join some coaching in the summer. I am also keeping my options open for a Master's in finance related domain, or in Law.

ACG: All the best and thanks for your time in talking to us.

LT: Thank you!

UPCOMING EXAMS AND DEADLINES

Competitive exams

JEE Mains (Session 2)

Organization: IIT, NIT and others

Application Period: January 31st - February 24th

Exam Date: April 8th, 9th, and 12th

Eligibility: Class 12 with Physics, Mathematics, and Chemistry/Biotechnology/Biology/Technical Vocational subjects

Website: jeemain.nta.nic.in

CUET UG

Organization: Central University

Application Period: February first week - April 10th

Exam Date: May 15-24, 2025

Eligibility: Class 12 with minimum 50% marks

Website: cuet.samarth.ac.in

IAT (IISER Aptitude Test)

Organization: IISER

Application Opening: April first week (tentative)

Exam Date: Second week of June 2025

Eligibility: Class 12 in science stream (2024 or 2025)

Website: iiseradmission.in

NEST

Organization: NISER, DAE

Application Opening: March 3rd week (tentative)

Exam Date: June 22, 2025

Eligibility: Class 12 science with minimum 60% marks

Website: nestexam.in

ISI Exam

Organization: ISI

Application Period: February - March

Exam Date: May 11, 2025

Eligibility: Class 12 with Mathematics and English

Website: isical.ac.in/~admission

CMI Exam

Organization: CMI

Application Opening: March 3rd week (tentative)

Exam Date: May 24, 2025

Eligibility: Class 12 with strong foundation in Mathematics

Website: cmi.ac.in/admissions

NEET

Organization: All medical colleges

Application Period: January - February

Exam Date: May 4, 2025

Eligibility: Class 12 with Physics, Chemistry, Biology/Biotechnology, and English

Website: neet.nta.nic.in

IPMAT

Organization: IIM Indore

Application Opening: January 3rd week

Exam Date: May 12, 2025

Eligibility: Class 12 with minimum 60% marks (55% for reserved categories)

Website: iimdr.ac.in/ipm

BITSAT

Organization: BITS

Application Period: January 2nd week - April 18th

Exam Date: May 26-30, 2025

Eligibility: Class 12 with Physics, Chemistry, Mathematics (75% aggregate)

Website: bitsadmission.com

NDA 2

Organization: NDA

Application Period: May 28th - June 17th

Exam Date: September 14, 2025

Eligibility: Class 12 (Physics & Mathematics for Air Force/Naval Wings)

Age Limit: 16.5 to 19.5 years

Website: upsc.gov.in

NATA

Organization: Architecture institutes

Application Opening: July 1st

Exam Date: Every weekend from April to July 2025

Eligibility: Class 12 with Physics, Chemistry, Mathematics or 10+3 diploma

Website: nata.in

CUET PG

Organization: Central University

Application Period: December 3rd week 2024 - February 2nd week

Exam Date: March 13-31, 2025

Eligibility: Bachelor's degree in relevant discipline

Website: cuet.nta.nic.in

COMEDK

Organization: Colleges in Karnataka

Application Opening: February

Last Date for Application: March 15, 2025

Exam Date: 10th May 2025

Eligibility: Class 12 with Physics, Chemistry, Mathematics

Website: comedk.org

VITEEE

Organization: VIT

Application Period: November 4, 2024 - March 31, 2025

Exam Date: April 21-27, 2025

Description: 2.5 hours exam with MCQs in Mathematics/Biology, Physics, Chemistry, Aptitude, and English

Website: viteee.vit.ac.in

SRMJEEE

Organization: SRM

Last Date for Application: April 16, 2025

Exam Date: April 22 - July 5, 2025

Description: Entrance exam for B.Tech programs at SRM Institute of Science and Technology

Website: srmist.edu.in/admission-india/engineering

MET

Organization: MIT

Application Period: October 14, 2024 - March 15, 2025

Exam Date: April 18–19, 2025

Description: Evaluates candidates on Physics, Chemistry, Mathematics, and English

Website: manipal.edu/mit.htm

AEEE

Organization: Amrita Vishwa Vidyapeetham

Application Period: October 22, 2024 - Third week of April 2025 (Phase 2)

Exam Date: May 10 to 14, 2025

Description: Entrance exam for B.Tech programs assessing Mathematics, Physics, Chemistry, and English

Website: aeee.amrita.edu

Old Puzzle Solution

Depict the days of a month ranging from 1 to 31 using two six-sided dice. Each of the six faces of the dice can be a number from 0 to 9 and by aligning the two dice (in any order and in any angle) you should get all the dates. For example, for the first day of the month one dice should display 0 and the other 1. How should the faces of the dice be numbered?

Solution: Note that we are free to number the faces of each dice, and use them in any order to depict the number.

0 should be in both dice (as you can only have 6 numbers in one dice and so to get the other numbers, you need 0 in both).

1 and 2 should be in both dice as you can't get 11 and 22 otherwise.

So both dice should have 0, 1 and 2 on some side.

That leaves $3+3 = 6$ positions remaining but there are 7 numbers (from 3 to 9 to be represented). Clue is that the side containing 6, can also represent 9 if you turn it upside down.

So number the first dice using 0, 1, 2, 3, 4, 5 and the other with 0, 1, 2, 6, 7, 8.

Now you get 0 to 9 using 00, 01, 02, 03, 04, 05, 06, 07, 08 and 09 (with 6 upside down).

You can get the remaining numbers in a similar way.

Puzzle Corner

Suppose we have a set of 100 coins, where each coin is either a LIGHT type or a HEAVY type. All coins in the LIGHT category are of the same weight, all coins in the HEAVY type are also of the same weight, and the weight of a HEAVY coin is strictly more than the weight of a LIGHT coin. All coins look identical, and both types of coins are present.

We are given a traditional weighing balance (where we can put weights on either side and decide which side is lighter/heavier or both sides are equal). How many weighings do you need to identify all the heavy and (hence) the light ones?

Note that one can find them out with 99 weighings by weighing the first coin (as a reference point) with others. Can you do better?

Rush your answers to newsletter@allcareerguru.org - The best answer sent by March 1st will be eligible for a prize worth Rs.1000.

Report on our recent career counseling event at Amrita Vidhyalam

Allcarrerguru (ACG) conducted a career counseling session addressing school students of Amrita Vidyalayam (affiliated to CBSE) at Ettimadai, Coimbatore on December 21st, 2024. This was attended by approximately 250 students from Class IX and XI of Amrita Vidyalayam Ettimadai, Coimbatore. See the photos alongside this report.

Our managing trustee Prof. Venkatesh Raman briefed about Allcareerguru and its free services that benefit students and others.. Our secretary Prof. Ananthanarayan gave a detailed session to the participants on various career opportunities including Design, Nursing, Paramedical, Engineering and outlined the entrance exams needed to get into these streams. He mentioned the participants to keep track of the website www.nta.ac.in, of the national testing agency to keep track of various entrance exams.

Our treasurer Mr. Raja emphasized the importance and need for a stronger problem solving capability and communication skills for a successful career in the corporate world. Mr. Mahesh Thulasi addressed the audience about how to handle the mental pressure and suggested ways to organize their studies. Finally the principal of the school Shri S Nedumaran conveyed a vote of thanks.

ACG thanks the Management and Principal of Amrita Vidyalayam, Ettimadai for this opportunity!

Event Gallery



Send your comments and suggestions to:
newsletter@allcareerguru.org

Visit us at: allcareerguru.org

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