

CAREER OPPORTUNITIES AFTER MASTER'S DEGREE—AN ACADEMIC JOURNEY

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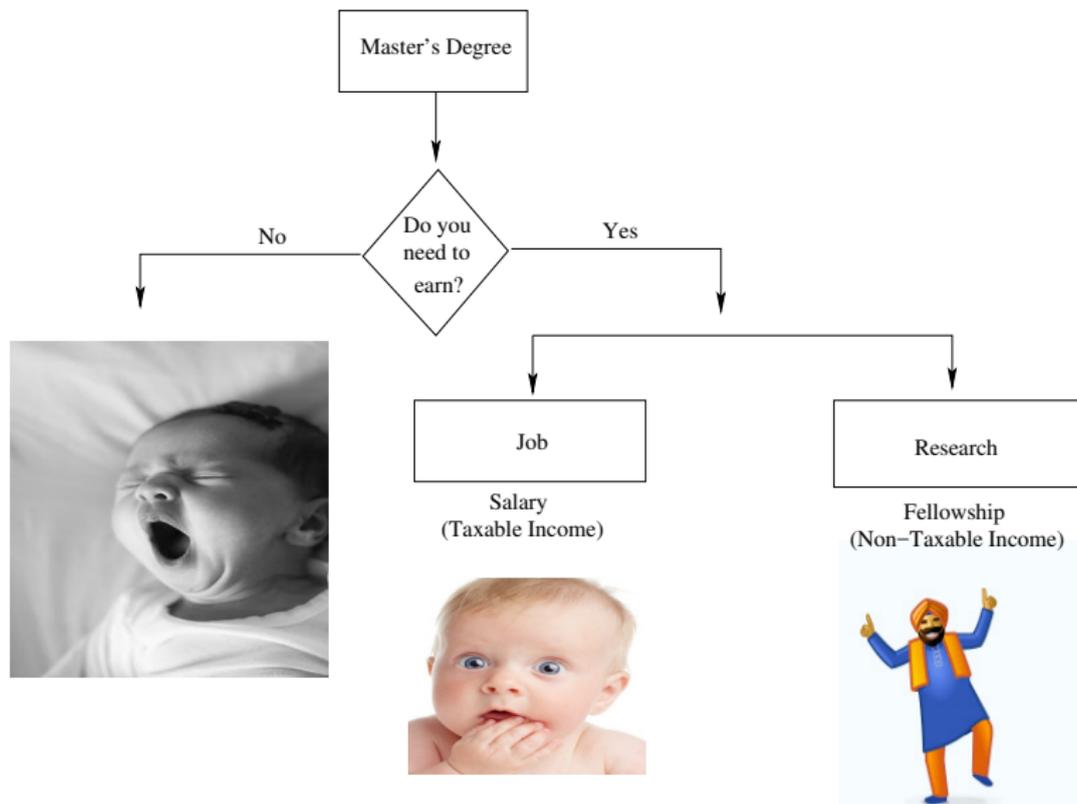
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What to do after Master's Degree???





QUESTION?

Are you a master in a particular subject/topic?

ANSWER!

No! Because the whole life a learning process!

MUST LEARN!

Master's Degree opens-up your door to enter into the world of research and become a master in a particular topic.

STEPS TO ENTER INTO THE WORLD OF RESEARCH

- Research Project/Ph.D. Program (Doctoral Research)
- Post-Doctoral Research
- Permanent Position – do research and teaching
- Collaborating and Supervising Research/PhD Scholars

WAYS FOR ENTERING INTO A PH.D. PROGRAM

ONE NEEDS TO QUALIFY

(M.Phil)/GATE/NET/CSIR-JRF/UGC-JRF/DST-INSPIRE/NBHM/(Research) Institute fellowship, and/or **face written test/interview.**

MUST KNOW

- 1 With M.Phil only, one can enter into Universities. Check for IITs/NITs.
- 2 With M.Phil, GATE, NET, one can enter into Universities/IITs/NITs.
- 3 With other fellowships, one can enter into any institute in India.
- 4 With Master's Degree also, one can achieve this, but through a Research Project/Written-test/**Interviews.**

PREPARATION FOR QUALIFYING EXAMINATIONS

WHEN TO PREPARE?

- During Master's Program

If not qualified

- After Master's Degree

PREPARATION AFTER MASTER'S DEGREE

DO YOU NEED SOME FINANCIAL SUPPORT?

Yes! No! Better!

IF NO

- May go for M.Phil. to an university and simultaneously prepare for GATE/NET/JRF/Fellowships.

Or

- May go to some place (or home) where you think that you can prepare.

PREPARATION AFTER MASTER'S DEGREE

IF YES

- Teach in a coaching centre or do tuition and at the same time prepare for qualifying exams.

OR

- Go for a research project by contacting a faculty having a research project.

OR

- Look for Institutes who enroll PhDs directly through written-test/**interviews**.

ABOUT RESEARCH PROJECT

CURRENT FELLOWSHIP AMOUNT

- Rs. 25, 000 + HRA per month if you have just Master's Degree (without NET/GATE)
- Rs. 31, 000 + HRA per month if you have qualified GATE/NET/JRF (equivalent to registered PHD fellowship)

HOW DO YOU APPROACH FOR RESEARCH PROJECT?

Contact faculty members of

- Parent Institute, OR
- Other Institutes

who are working in the area of your interest. Send your Bio-data, ask them whether they have a project in which you can work.

FLEXIBILITY DURING THE PROJECT

- **Learn what is research** under the guidance of the project Principal Investigator (PI)
- **Prepare for GATE/NET/JRF/interview for PhD program/ Job/etc (but one must follow-up instructions of PI).**

RESEARCH OPPORTUNITIES WITHIN INDIA

REPUTED INSTITUTES FOR RESEARCH

- IITs and NITs (several!)
- Indian Institute of Science (IISc) Bangalore
- Indian Statistical Institutes: Kolkata (HQ), Chennai, Delhi, Bangalore, Tezpur, Pune
- Indian Institute of Science Education and Research (IISER): Berhampur, Bhopal, Kolkata, Mohali, Pune, Thiruvananthapuram, Tirupati
- National Institute of Science Education and Research (NISER), Bhubaneswar
- Harish-Chandra Research Institute (HRI), Allahabad

RESEARCH OPPORTUNITIES WITHIN INDIA

OTHER REPUTED INSTITUTES FOR RESEARCH

- Defense Research Development Organization (DRDO), Bangalore, Hyderabad, etc. (see the link https://en.wikipedia.org/wiki/Defence_Research_and_Development_Organisation for the complete list)
- Tata Institute of Fundamental Research (TIFR), Mumbai, Bangalore
- Chennai Mathematical Institute (CMI)
- Institute of Mathematical Sciences (IMSc), Chennai
- Central Universities (Hyderabad, Rajasthan, etc.)
- Other Universities (Mumbai, Delhi, Madras, Pune, Allahabad, etc.)

INSTITUTES CONDUCT THEIR OWN ENTRANCE TEST FOR PH.D. PROGRAM

- IISc Bangalore (www.iisc.ac.in)
- TIFR Mumbai, Bangalore (univ.tifr.res.in)
- DRDO Bangalore, Hyderabad, etc. (www.drdo.gov.in)
- Chennai Mathematical Institute (www.cmi.ac.in)
- ISI Kolkata, Delhi, Bangalore, etc. (www.isical.ac.in)
- HRI, Allahabad (www.hri.res.in)
- IMSc, Chennai (www.imsc.res.in)

PRIME MINISTER'S FELLOWSHIP FOR DOCTORAL RESEARCH

- Year 1 : Rs. 70,000
- Year 2 : Rs. 70,000
- Year 3 : Rs. 75,000
- Year 4 : Rs. 80,000
- Year 5 : Rs. 80,000
- Research grant of Rs. 2 Lakhs per year (total of Rs 10 Lakhs for five years).

PRIME MINISTER'S FELLOWSHIP FOR DOCTORAL RESEARCH

ELIGIBILITY

1 DIRECT ENTRY CHANNEL

- For the candidates completed or pursuing the final year of 2-year M.Sc.

2 LATERAL ENTRY CHANNEL

- For the candidates pursuing Ph.D.

For further details, one may refer to the page

<https://www.pmrf.in/guidelines>

RESEARCH IN ABROAD

SOME OF THE POSSIBILITIES

- Approach a foreign faculty; OR
- Approach foreign university International Office (through your parent Institute International Office/directly) if you find someone and find the procedures or to whom to contact for PhD admission procedures for foreign students; OR
- Look at advertisements in their websites.

RESEARCH IN ABROAD

FINANCIAL SUPPORT

- Teaching Assistantship
- The Indo-US Fulbright fellowship

www.usief.org.in/Fulbright-Nehru-Doctoral-Research-Fellowships.aspx

- The CIMO fellowship

www.studyinfinland.fi/tuition_and_scholarships/cimo_scholarships/cimo_fellowships

- The Erasmus Mundus fellowship

eacea.ec.europa.eu/erasmus_mundus/funding/available_partnerships.php

- Indo-German Centre for Sustainability

<https://www.dwih-newdelhi.org/en/2019/08/09/indo-german-centre-for-sustainability-call-for-scholarships-for-research-projects-in-germany-in-2019/>

OTHER POSSIBILITIES

Statistics related ITs/Industries-hiring students for research

- Department of Statistics and Information Management-RBI
- Ministry of Statistics and Program Implementation (MOSPI)-GoI
- Credit Suisse-Global Industrial Bank (Zurich, Switzerland)

FOR OTHER JOBS

contact placement office or faculty who are working in applied fields. One may need to know courses on computer programmings.

NOT INTERESTED IN ABOVE TWO?

May go for business or start (teaching in) coaching centres.

THANK YOU