

# CAREER OPPORTUNITIES AFTER MASTER'S DEGREE—AN ACADEMIC JOURNEY

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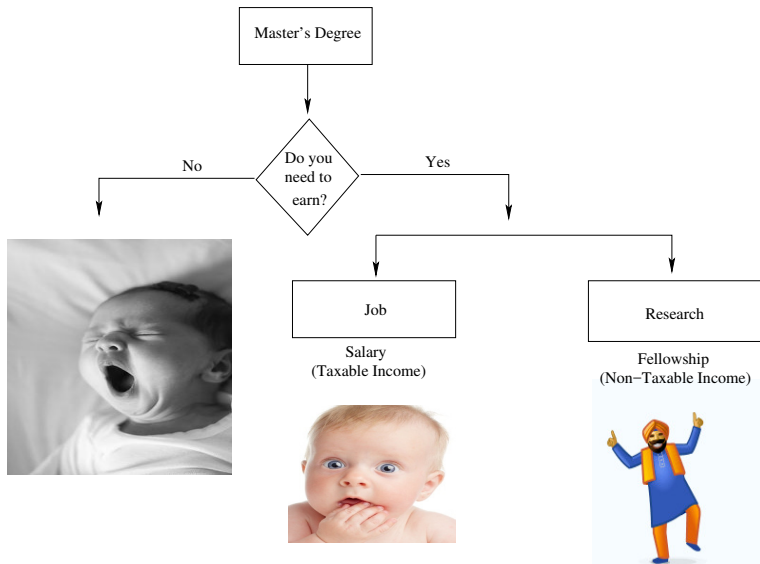
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## What to do after Master's Degree???





## 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 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-text/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

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

### OR

- Look for Institutes who enroll PhDs directly through written-text/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

- **Learning what is research** under the guidance of the project Principal Investigator (PI)
- **preparing 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
- 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](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](http://www.iisc.ac.in))
- TIFR Mumbai, Bangalore ([univ.tifr.res.in](http://univ.tifr.res.in))
- DRDO Bangalore, Hyderabad, etc. ([www.drdo.gov.in](http://www.drdo.gov.in))
- Chennai Mathematical Institute ([www.cmi.ac.in](http://www.cmi.ac.in))
- ISI Kolkata, Delhi, Bangalore, etc. ([www.isical.ac.in](http://www.isical.ac.in))
- HRI, Allahabad ([www.hri.res.in](http://www.hri.res.in))
- IMSc, Chennai ([www.imsc.res.in](http://www.imsc.res.in))

## PRIME MINISTER'S FELLOWSHIP FOR DOCTORAL RESEARCH (DURATION: 4 YEARS)

### ELIGIBILITY

- 1 Full time PhD registered with any academic or research institution offering PhD degree
- 2 Apply within 14 months of PhD admission/registration whichever date is earlier
- 3 Have an industry partner to sponsor 50% of the fellowship (Rs. 4 lakhs per annum)

For further details, one may refer to the page

<http://www.serbficci-iirrada.in/PrimeMinisterFellowshipResearch.html>

## RESEARCH IN ABROAD

### SOME OF THE POSSIBILITIES

- Approach a foreign faculty/ foreign university International Office (through your parent Institute International Office/directly) if you find someone and ask the procedures or to whom to contact for PhD admission procedures for foreign students

- The Indo-US Fulbright fellowship

[www.usief.org.in/Fulbright-Nehru-Doctoral-Research-Fellowships.aspx](http://www.usief.org.in/Fulbright-Nehru-Doctoral-Research-Fellowships.aspx)

- The CIMO fellowship

[www.studyinfinland.fi/tuition\\_and\\_scholarships/cimo\\_scholarships/cimo\\_fellowships](http://www.studyinfinland.fi/tuition_and_scholarships/cimo_scholarships/cimo_fellowships)

- The Erasmus Mundus fellowship

[eacea.ec.europa.eu/erasmus\\_mundus/funding/available\\_partnerships.php](http://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/>

### 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