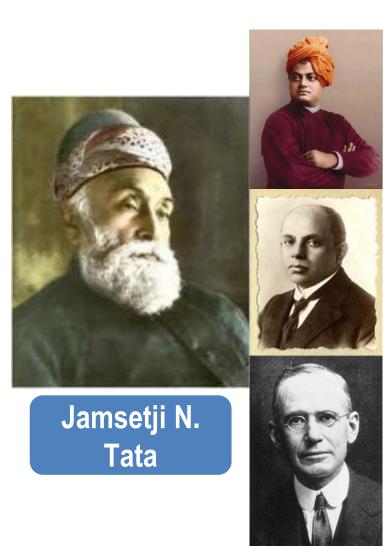
INDIAN INSTITUTE OF SCIENCE (IISc)



Praveen Kumar Office of International Relations (OIR) Indian Institute of Science, Bangalore praveenk@iisc.ac.in

ORIGINS





Established in 1909



Government of India

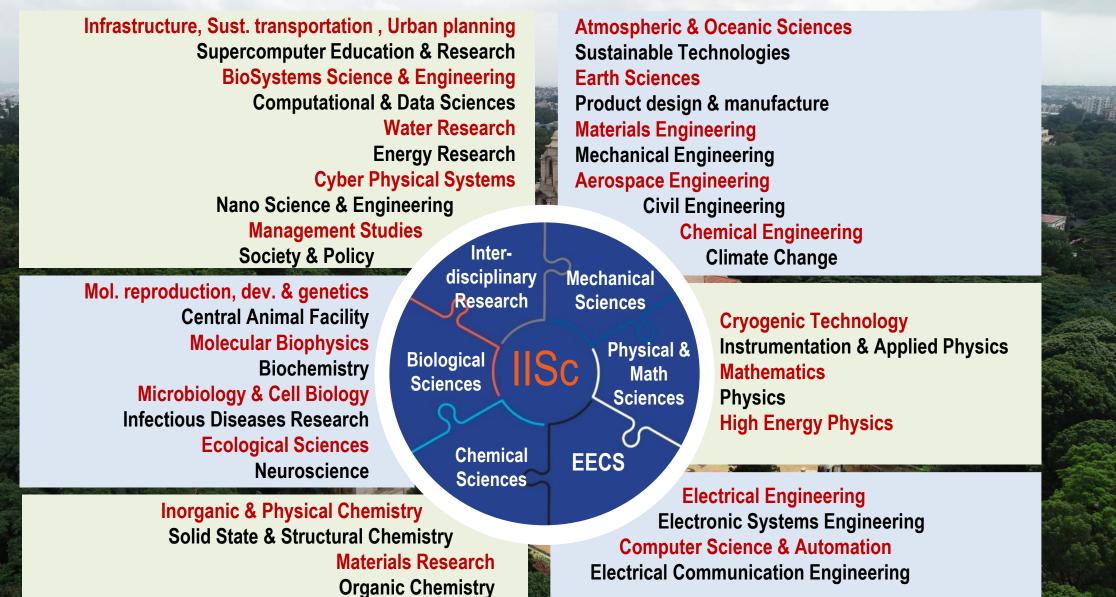
H. M. Krishnaraja Wodeyar Maharaja of Mysore

Vision: Higher education and research in science and engineering First two departments: Chemistry and Electrotechnology First batch of students admitted in 1911



A Comprehensive University of Science and Engineering





NMR Research

IISC TODAY: NUMBERS

STUDENTS

No.1

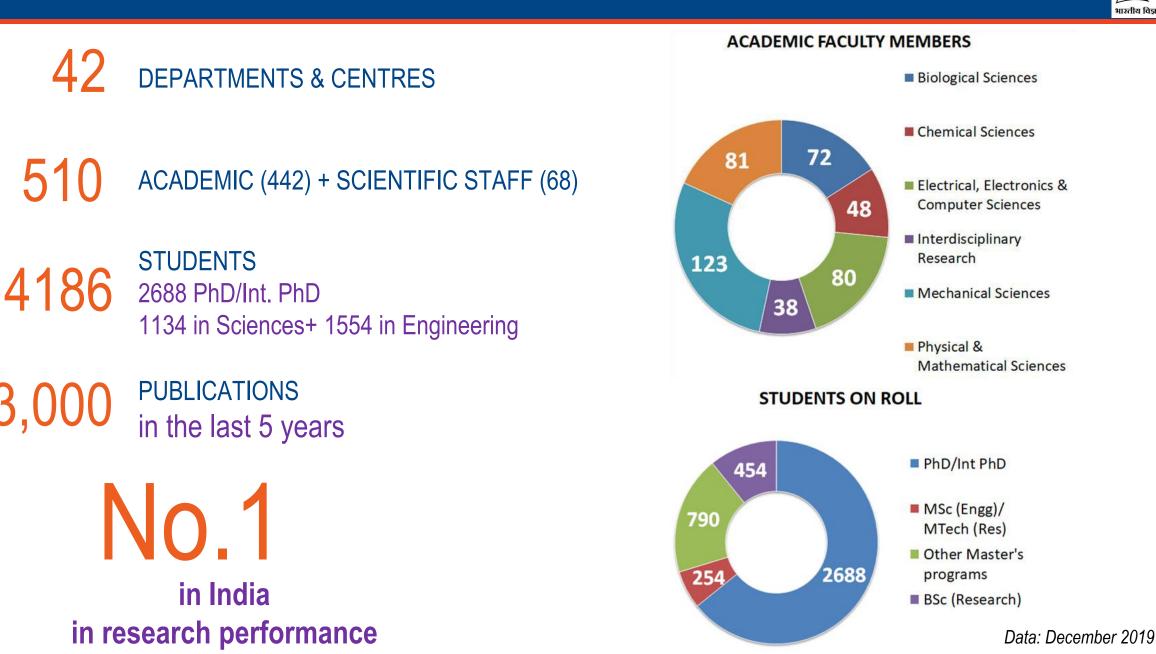
in India

42

51(

13,000





RANKINGS







#1 university (2016, 2017, 2018, 2019, 2020)

#301-350 (2020)

#91-100 in World Reputation Rankings (2018) - *only Indian inst. in top 100*#14 in Emerging Economies (2019)# 16 in Emerging Economies (2020)



#184 (2020) #2 in citations per faculty (2020)

Selected by Government of India as an Institution of Eminence (IoE) in July 2018 Will provide more autonomy in academic programs USD ~150 million of additional funding over 5 years, as a matching grant

WORLD-CLASS FACILITIES





National Nanofabrication & Characterization Facility

(Centre for Nano Science and Engineering)

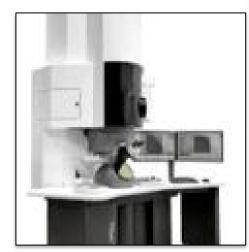
Sophisticated Analytical Instruments Facility (DST supported National NMR facility)



"SahasraT"

(Petaflop compute performance)

Applications of national relevance in materials research, weather forecasting, aircraft design, astrophysics, energy research and drug discovery



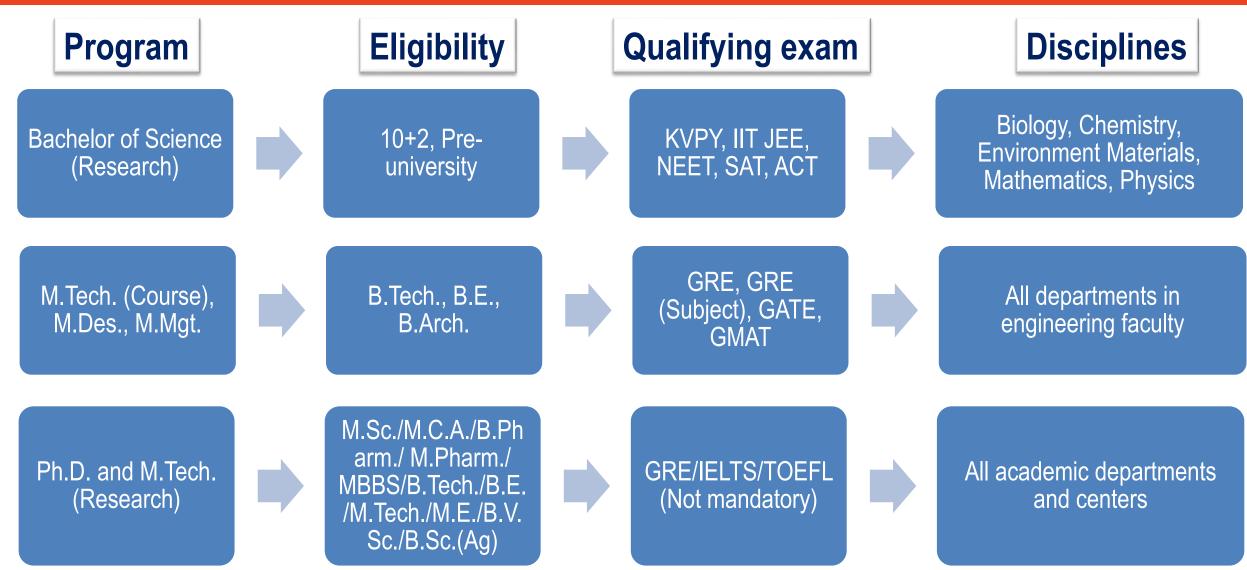
Advanced Facility for Microscopy & Microanalysis (includes India's only Micro-CT facility)

> National Facility for Analytical Electron Microscopy



Academic Programs at IISc for International Students





IISc Ph.D. Program

- Flagship program of IISc
- > 70% of students are enrolled in Ph.D. program
- Offered in faculty of science and faculty of engineering
- Faculty of engineering
 - Direct Ph.D.: Joining after
 B.E./B.Tech./M.Sc. (after 10+2 + 4/5)
 - Regular Ph.D.: Joining with M.S./M.E/.M.Tech.
- ➢ Faculty of science
 - Regular Ph.D.: Joining with M.Sc./ B.S.(4 years) (after 10+2 + 4/5)





Claude Nambaje of IISc defending his PhD thesis: Jointly supervised by faculty at IISc and ANU



IISc Ph.D. Program



- Structure of Ph.D. program
 - Within 1-1.5 years: Research Training Program (RTP)
 - ✓ Minimum of 12 credits (~ 4 courses) and maximum of 24 credits (~8 courses)
 - o Within 2 years: Comprehensive exam
 - ✓ Passed for PhD candidature/downgraded for master's program/termination
 - Within 5 years: Thesis colloquium and thesis submission
 - Thesis examination/defense
- > Average time of completion: 5 years
 - Minimum Residency: 2 years
- Eligibility (International students)
 - Should hold a non-Indian passport
 - University education medium should be in English; Exceptions can be made
- > Desirable to have at least one valid standard test (GRE/IELTS/TOEFL/GATE) score

Application Process: Ph.D. and M.Tech. (Research)



<u>https://admissions.iisc.ac.in/international/</u>

- Register with your email (preferably G-mail) address and a password to start the online application process by creating a new user account. Email ID used to register cannot be changed later. Detailed instructions are available in the OIR website
- \succ Log in to the <u>website</u> to fill the application form.
- > You will need information about/from the following documents, so have them handy:
 - 1. Certificate/marksheets of: High school, Undergraduate degree or Postgraduate degree.
 - Details (Registration/roll numbers, paper code, score etc.) of GRE/advanced GRE/ IELTS/ TOEFL/ GATE (if applicable)
 - 2. A scanned image of your passport size photograph (to be uploaded)*
 - 3. A scanned image of your passport front and back page (to be uploaded)*
 - 4. A scanned image of consolidated marks/ degree certificate of the latest degree (to be uploaded)*
 - 5. At least one recommendation letter^{\$,*}
 - 6. Statement of purpose detailing general interest in program^{\$,*}

*All the documents to be uploaded in jpeg, gif, tiff, png or pdf; \$ Only for research students

Important Dates



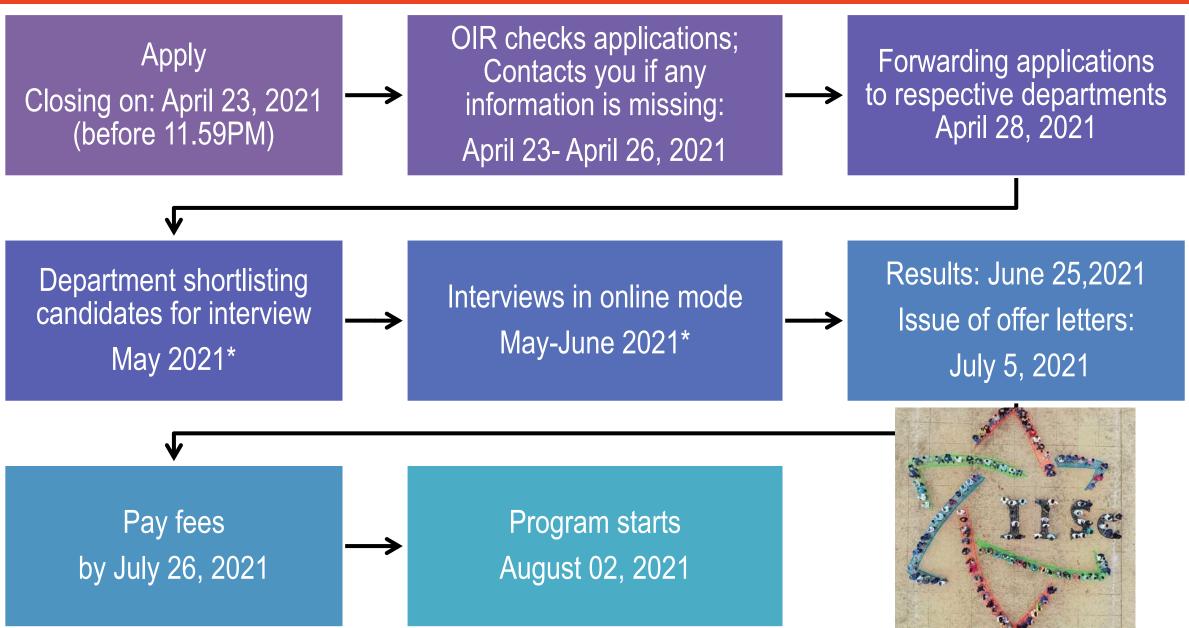
- Applications opening date: March 15, 2021
- Applications closing date: April 23, 2021
- Interview dates: May-June
 2021(vary with department)
- Declaration of Results: June 25, 2021
- Start date of the Program: -August 02, 2021

For any queries, please contact: admission.oir@iisc.ac.in



Admission Process (Tentative)





Applicable Fees: Fee structure



| | Regular Students | | | | | Sponsored Students |
|-------------------------------------|------------------|------------------|------------|--------------------|----------|-----------------------|
| Particulars | Ph.D. | M.Tech. (Res) | Int. Ph.D. | M.Tech./ M.Des. | M.Mgt. | M.Tech. |
| Tuition Fee (Annual) | 15,000 | 9,000 | 9,000 | 9,000 | 1,00,000 | 14,000 |
| Gymkhana Fee (Annual) | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 |
| Other Academic Fees (Annual) | 3,700 | 3,700 | 3,700 | 3,700 | 50,000 | 3,700 |
| Statutory Deposit (Refundable)* | 7,500 | 7,500 | 7,500 | 7,500 | 7,500 | 7,500 |
| Library Deposit (Refundable)* | 7,500 | 7,500 | 7,500 | 7,500 | 7,500 | 7,500 |
| Students Emergency Fund (Annual) | 300 | 300 | 300 | 300 | 300 | 300 |
| TOTAL | 35,200* | 29,200 | 29,200** | 29,200 | 166,500 | 34,200 |

Hostel Fees (per annum): INR 45,000/-*

*subjected to variation

Scholarship: An Admission Offer Comes with Scholarship



- > All Ph.D. students receive
 - Rs. 31,000/- per month in the first two years
 - Rs. 35,000/- per month from third year till the end of fifth year
- All M.Tech. (Research)/ M.Tech.
 (course)/M.Des. students receive Rs.
 12,500 /- per month in two years
- TATA INTERNATIONAL RESEARCH FELLOWSHIP FOR Ph.D.
 - \circ Two per year
 - o Rs. 70,000/- per month



Things to Consider

भारतीय विद्यान संस्थान

> What departments to apply?

- $\,\circ\,$ Depending on your qualifying degree
- Check here: <u>https://www.iisc.ac.in/admissions/research-programmes/</u>

> Which research advisor to work with?

- Depends on department policy
- \circ Write to faculty members

> What after PhD?

- O Academic Job (be a professor), Industry Job, Join a service (Government job) → Plan early and prepare accordingly
- IISc Placement Cell: OCCAP
 - $\checkmark\,$ Provides opportunities for internships during Ph.D.
 - ✓ Placement service after Ph.D.

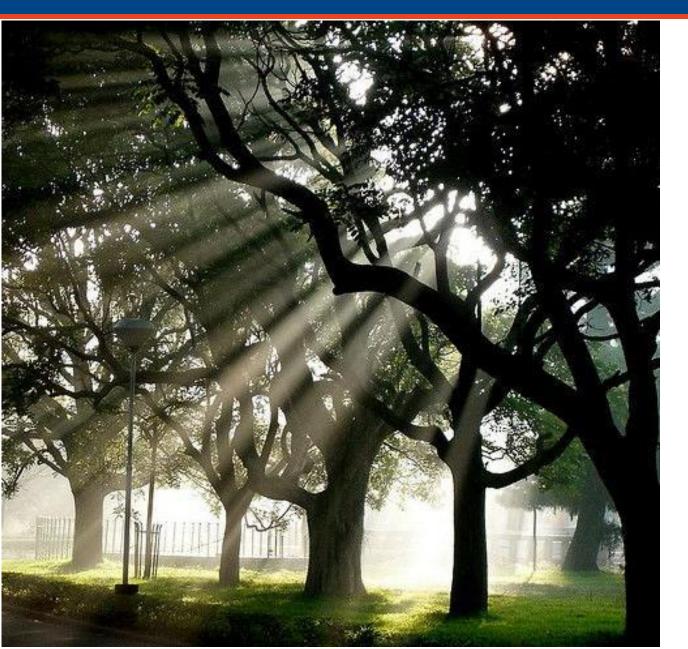
IISc's Commitment: Environment Conducive for Growth





Questions and Discussions





Please 'raise hand' D if you have any questions or type in the chat box.

admission.oir@iisc.ac.in https://oir.iisc.ac.in (Office of International Relations, IISc)