UNIVERSITY OF ALBERTA

University of Alberta and India

Engage India Launch

April 4, 2019

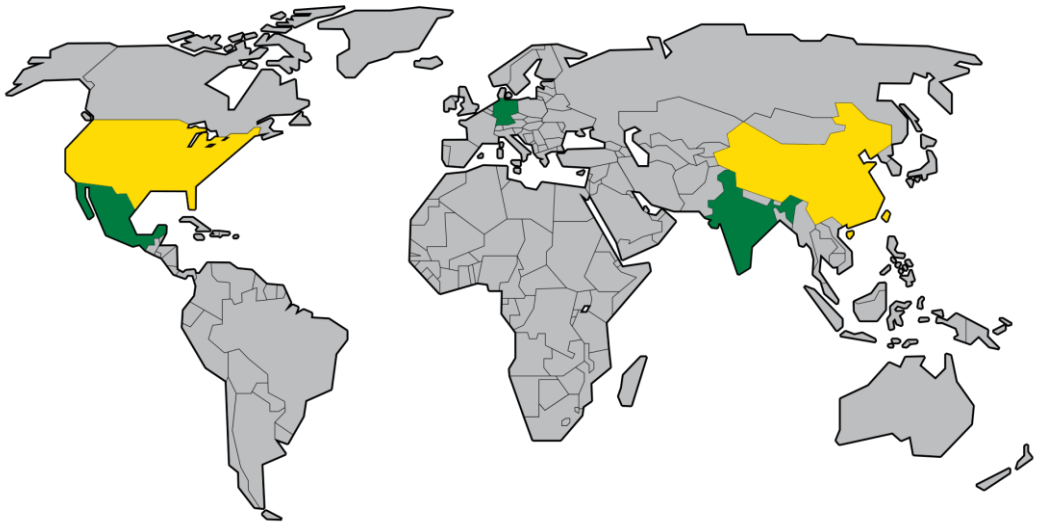
Amit Kumar

Interim President, Engage India

U of A & India (1)

India is a priority country for the U of A

- **30+** active and **10** pending agreements with Indian partners
- **800+** Indian students on campus (Study/Work Permit & PR)
- **300+** undergraduate research interns from India since 2010
- **60+** academic staff across **10** faculties with degrees from institutions in India
- **1,500+** joint publications with institutions in India



U of A & India (2)

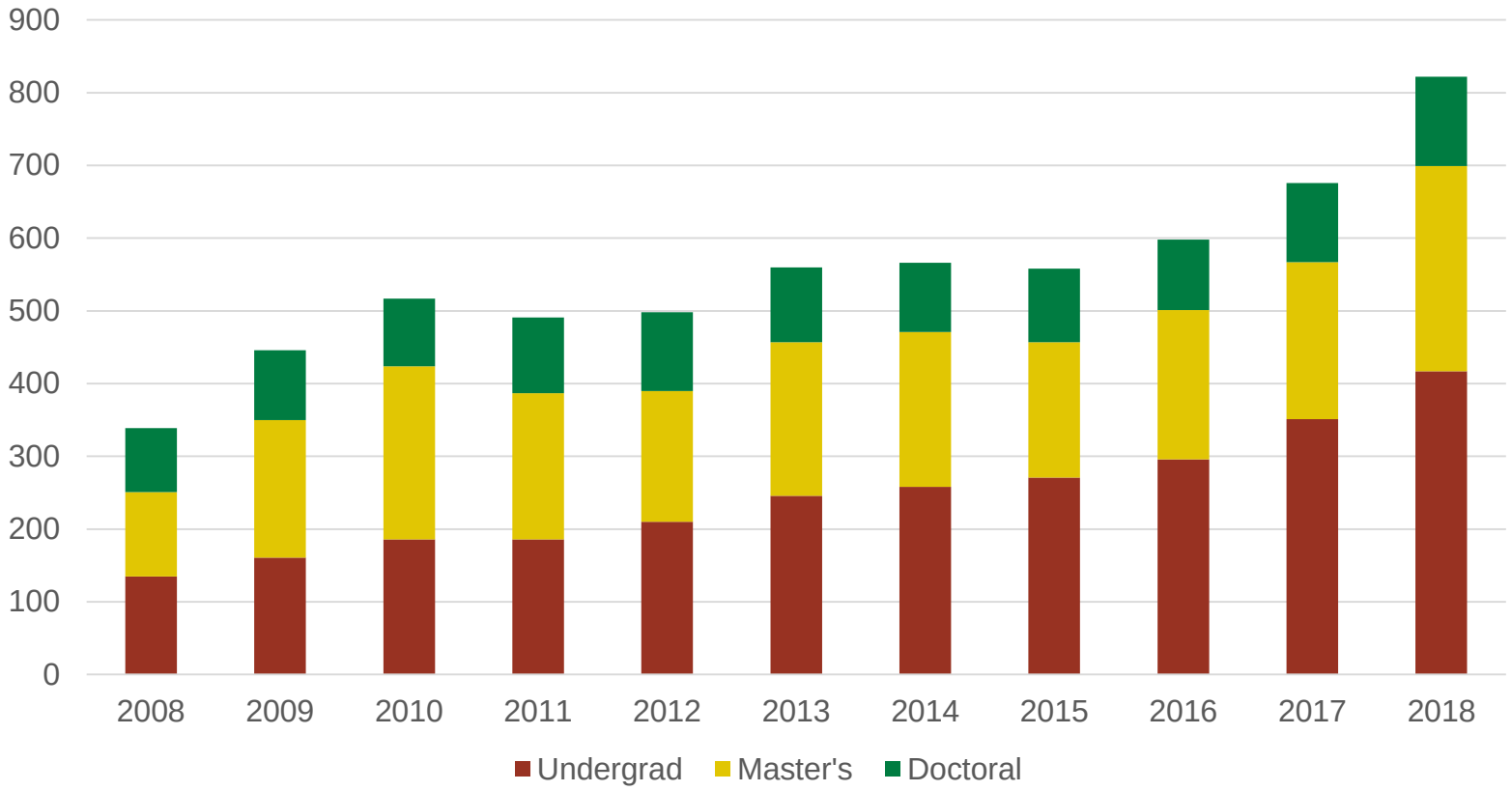
- **160+** alumni registered in India
- **5+** honorary doctorate recipients including: Former Prime Minister Manmohan Singh, historian Dr. Romila Thapar, renowned agriculturalist Dr. MS Swaminathan, development journalist P. Sainath and environmentalist Sunita Narain
- Government & industry partnerships with SERB, AYUSH, Infosys, FIPI/Petrotech, and more
- Founding member of IC-IMPACTS (the India-Canada Centre for Innovative Multidisciplinary Partnerships to Accelerate Community Transformation and Sustainability)
- Singhmar Chair in Classical Indian Polity and Society (Faculty of Arts)

U of A's Institutional Partners in India

- Anand Agricultural University
- Indian Institute of Higher Education
- Indian Institute of Management Bangalore
- Indian Institute of Management Ranchi
- Indian Institute of Science-Bangalore
- Indian Institute of Technology Bombay
- Indian Institute of Technology Delhi
- Indian Institute of Technology Kharagpur
- Indian Institute of Technology Madras
- Indian Institute of Technology Roorkee
- Jawaharlal Nehru University
- M.S. Swaminathan Research Foundation
- Shri Guru Ram Rai Institute of Medical and Health Sciences
- University of Hyderabad
- University of Petroleum and Energy Studies
- VIT University

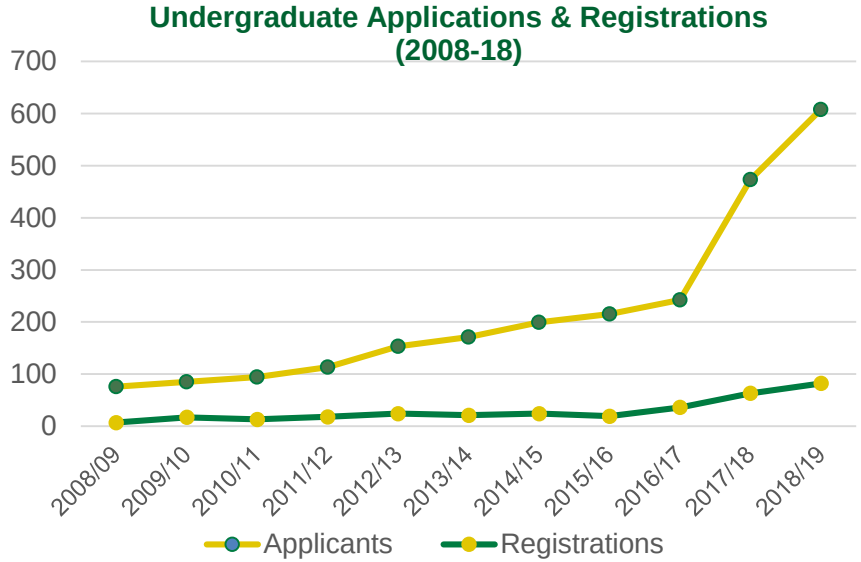
Indian Student Recruitment at U of A (1)

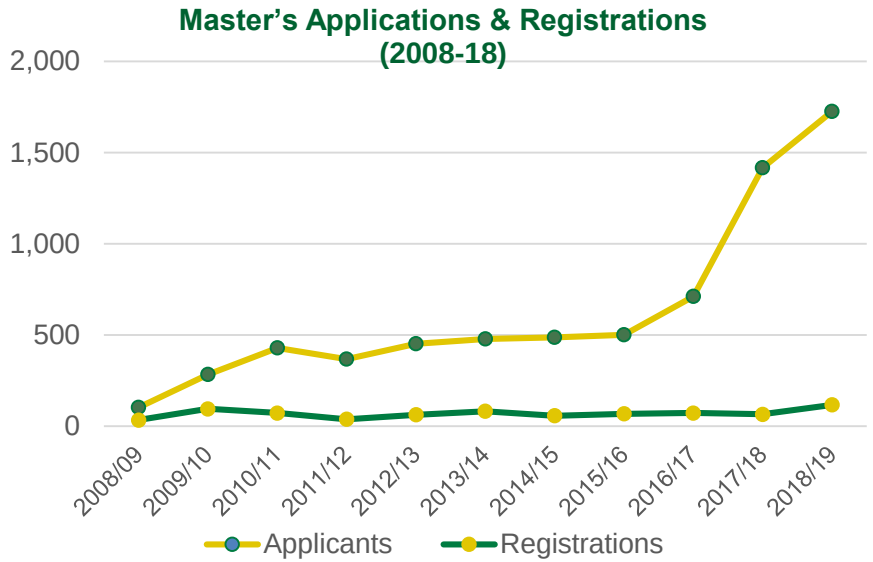
Indian Students* at U of A (2008-18)

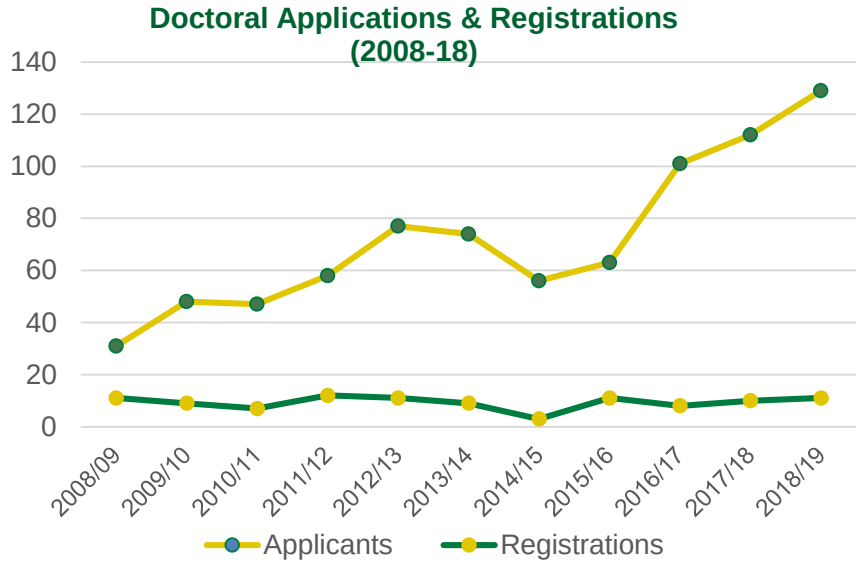


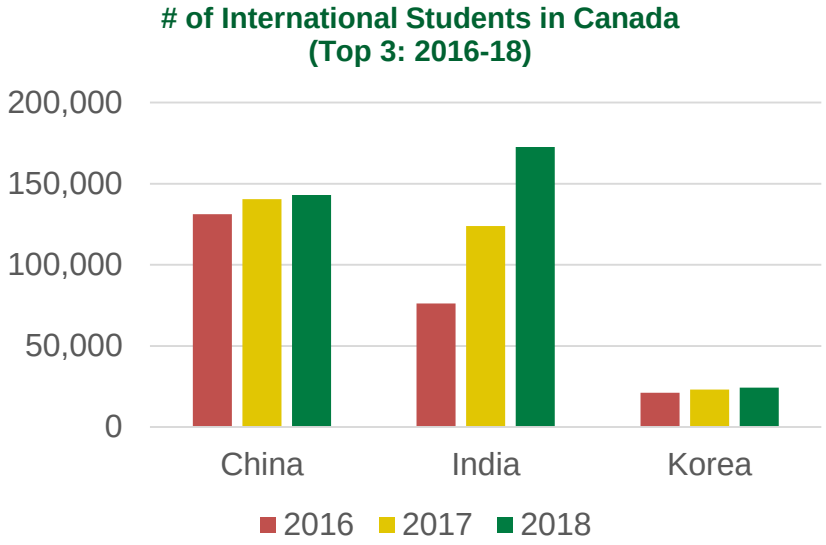
** Permanent Resident, Study Permit and Work Permit holders with Indian citizenship*
Source: Acorn database; Date: 1st December 2018

Indian Student Recruitment at U of A (2)









Note: includes Permanent Resident, Study Permit and Work Permit holders

Sources: Acorn database (Dec 1, 2018); Immigration, Refugees and Citizenship Canada

Engage India: Association of Professors (1)

2018 Survey of Professors Engaged with India (n=25):

- 84% interested in joint research
- 72% interested in spending time in India as visiting scholars
- 68% interested in hosting visiting scholars from India
- 60% interested in recruitment of grad students from India
- 40% interested in participating or promoting "Study in India" program for UAlberta students

Engage India: Association of Professors (2)

Goal:

- Build our profile so U of A is recognized as the leading Canadian university partner for India, in Canada and India.

Objectives:

1. To bring together Canadian and Indian faculty members to foster collaborative research and conduct workshops, seminars and conferences on topics of mutual interest
2. To promote educational exchange between Canadian and Indian faculty members and students
3. To support recruitment of top quality undergraduate and graduate students from India

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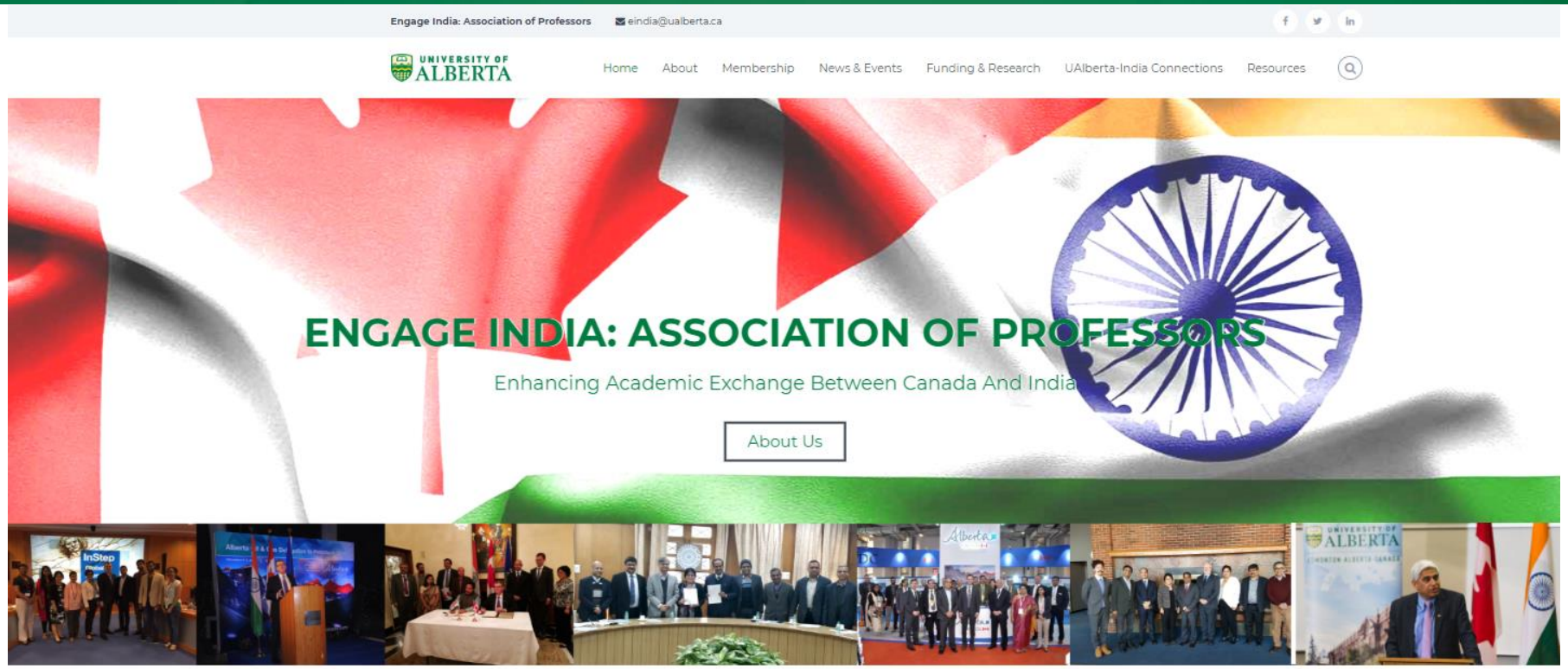
www.engageindia.ca



NEWS & EVENTS

Stay up to date with the latest information on Engage India

READ MORE →

FUNDING & RESEARCH

Information on funding opportunities for academic mobility, joint research and more

READ MORE →

UALBERTA-INDIA CONNECTIONS

Find out more about UAlberta's connections with India

READ MORE →

OUR TEAM

Engage India is currently led by the following Interim Executive Steering Committee. Formal elections will take place in 2020.

New Initiative: Joint PhD Programs with IITs/IISc

Why joint PhDs?

- Top graduate student recruitment; increase diversification
- Build U of A's brand in India as a global leader in research
- Model has been a big success for Australian universities
  - e.g. *IITB-Monash Research Academy, UQ-IITD Academy of Research, Deakin India Research Initiative, Melbourne-India Postgraduate Academy*
- Currently **no** other Canadian universities have joint doctoral programs with the IISc/IITs

New Initiative: Joint PhD (2)

Why IISc/IITs?

- Build on U of A's pre-existing relationships
  - Earliest MoU (IISc) dates back to 2008
  - Strong partnerships with 5 IITs
- Top ranking institutions in India
  - Our IIT partners are 5 of the 7 founding IITs
  - 3 have been chosen as "Institutions of Eminence" by Indian government
- High quality students
  - Only around 11,000 out of 1,200,000 students who apply to IITs are admitted*

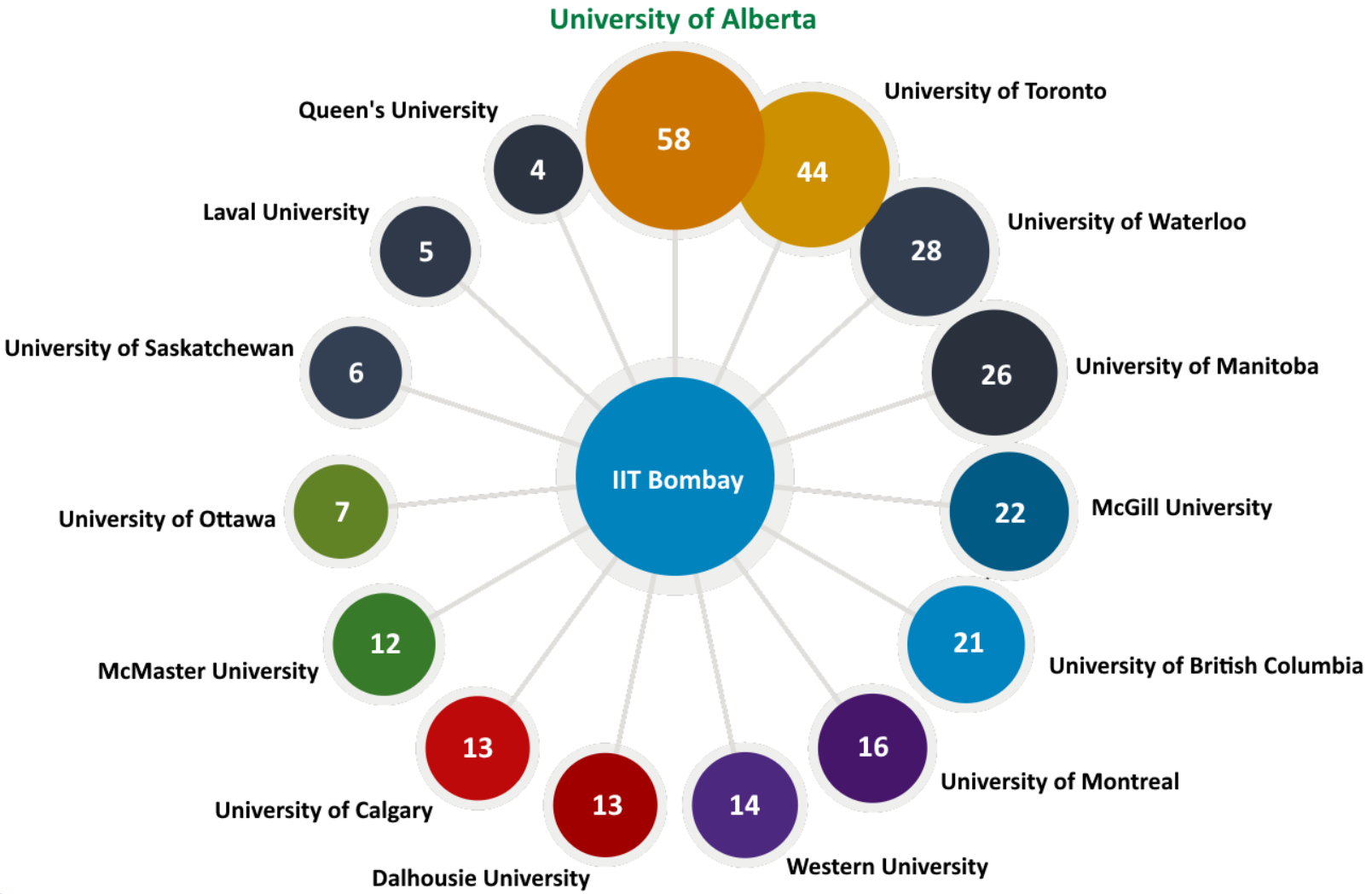
**Source: 2017 Joint Entrance Examination – Advanced Results*

Proposed Joint PhD Partner Institutions

- **Indian Institute of Science, Bangalore**
  - NIRF Overall 1st; NIRF University 1st; QS India 2nd; THE Asia 29th
- **Indian Institute of Technology, Bombay**
  - NIRF Overall 3rd; NIRF Engineering 2nd; QS India 1st; THE Asia 44th
- **Indian Institute of Technology, Delhi**
  - NIRF Overall 4th; NIRF Engineering 3rd; QS India 4th; THE Asia 86th
- **Indian Institute of Technology, Kharagpur**
  - NIRF Overall 5th; NIRF Engineering 4th; QS India 5th; THE Asia 60th
- **Indian Institute of Technology, Madras**
  - NIRF Overall 2nd; NIRF Engineering 1st; QS India 3rd; THE Asia 103rd
- **Indian Institute of Technology, Roorkee**
  - NIRF Overall 8th; NIRF Engineering 6th; QS India 9th; THE Asia 65th

Sources: *National Institutional Ranking Framework 2018 [https://www.nirfindia.org]*
QS India University Rankings 2019 [https://www.topuniversities.com/university-rankings]
Times Higher Education Asia University Rankings 2018 [https://www.timeshighereducation.com/world-university-rankings]

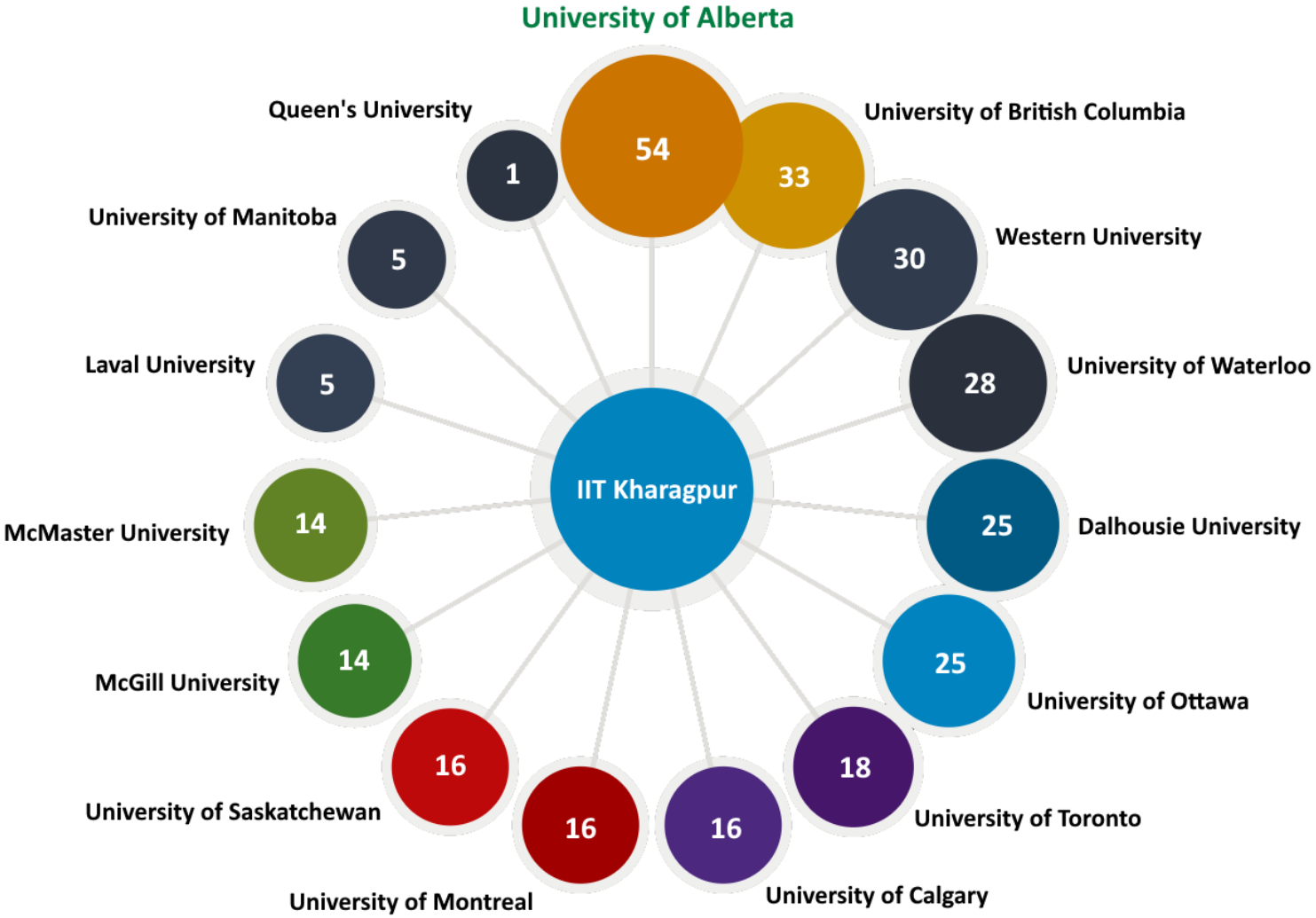
IIT Bombay Joint Publications with U15 Institutions



Source: Web of Science, Clarivate Analytics

Where we stand in Canada (2)

IIT Kharagpur Joint Publications with U15 Institutions



Source: Web of Science, Clarivate Analytics

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Academic Mobility Opportunities

GIAN
GLOBAL INITIATIVE OF ACADEMIC NETWORKS

- Focus: All disciplines
- Term: Short (12-28 hours)
- Stipend: USD $8,000-12,000
- Proposals accepted year-round
- Courses are recorded and made available online

VAJRA
Visiting Advanced Joint Research Faculty
SERB INDIA

- Focus: Science/Research
- Term: Medium (1-3 months)
- Stipend: USD $15,000-35,000
- Proposals accepted year-round
- Emphasis on Non-resident Indians/Persons of Indian Origin/Overseas Citizens of India

SPARC
Scheme for Promotion of Academic and Research Collaboration

- Focus: Science/Social Sciences
- Term: Long (2-8 months)
- Stipend: USD $15,000-85,000
- Call for proposals issued annually
- Emphasis on development of niche courses, world-class books and monographs, translatable patents, demonstrable technologies, etc.

Other Institutional Connections with India

- **University of Alberta International**
  - A central unit that works to internationalize the UAlberta experience for everyone across all our campuses.
- **Shastri-Indo Canadian Institute (SICI)**
  - A binational organization that promotes understanding between India and Canada through academic activities and exchanges
- **U of A Indian Students Association (INDSA)**
  - A non-profit socio-cultural student association
- **Alumni**
  - 160+ U of A alumni are registered with addresses in India
    - 7 alumni are faculty members at IITs (IITB: 3, IITD: 2, IITM: 1, IITR: 1)
  - 60+ alumni from Indian institutions are faculty members at U of A
    - 13 are IISc/IITs graduates (IISc: 3, IITB: 1, IITKGP: 6, IITM: 2, IITR: 1)
  - Many faculty members at the IISc/IITs have spent time at U of A as visiting professors and post-doctoral fellows

Next Steps…

- Open discussion for input and suggestions -

Have additional questions or comments?

Contact us at: **eindia@ualberta.ca**

Visit us at: **www.engageindia.ca**