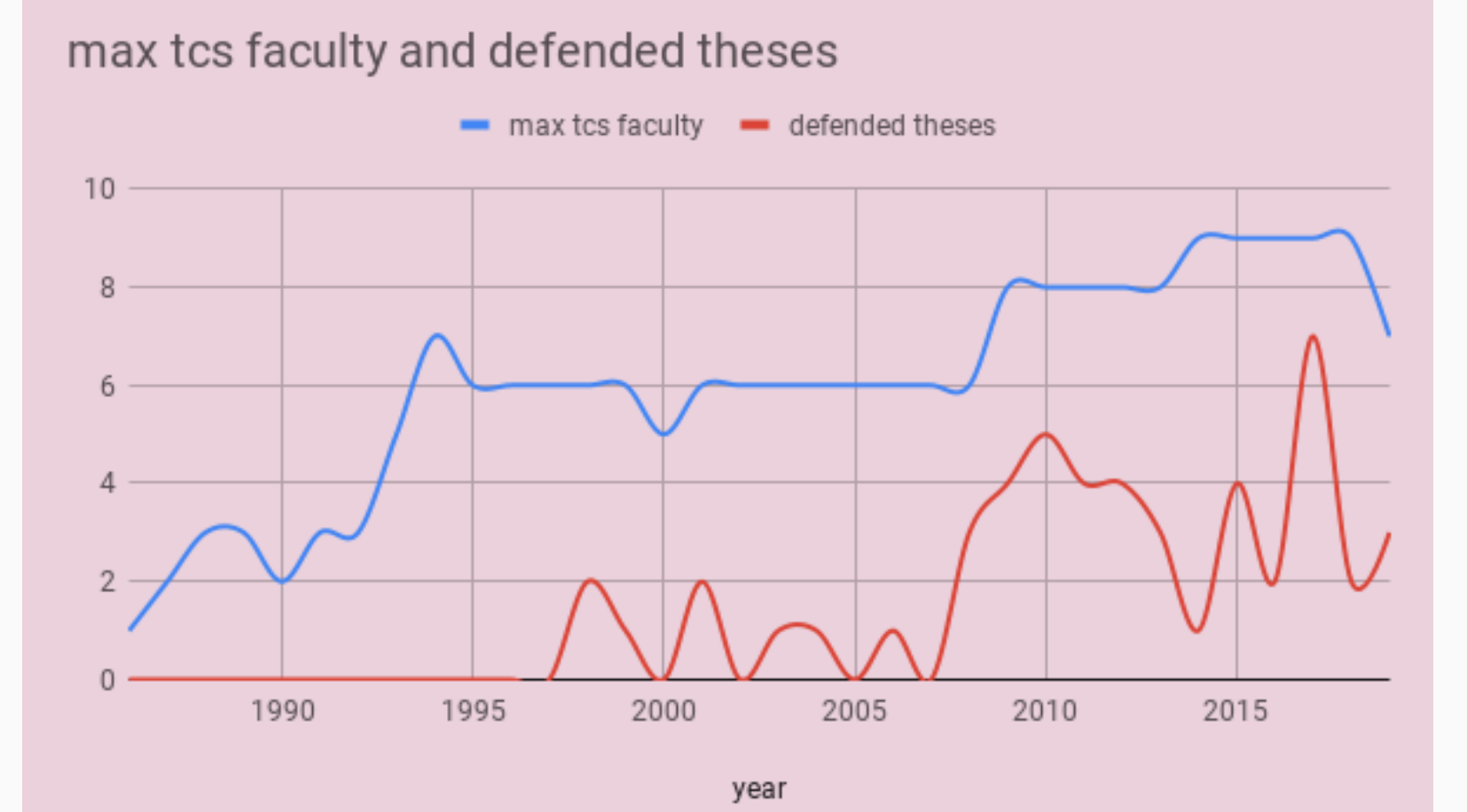
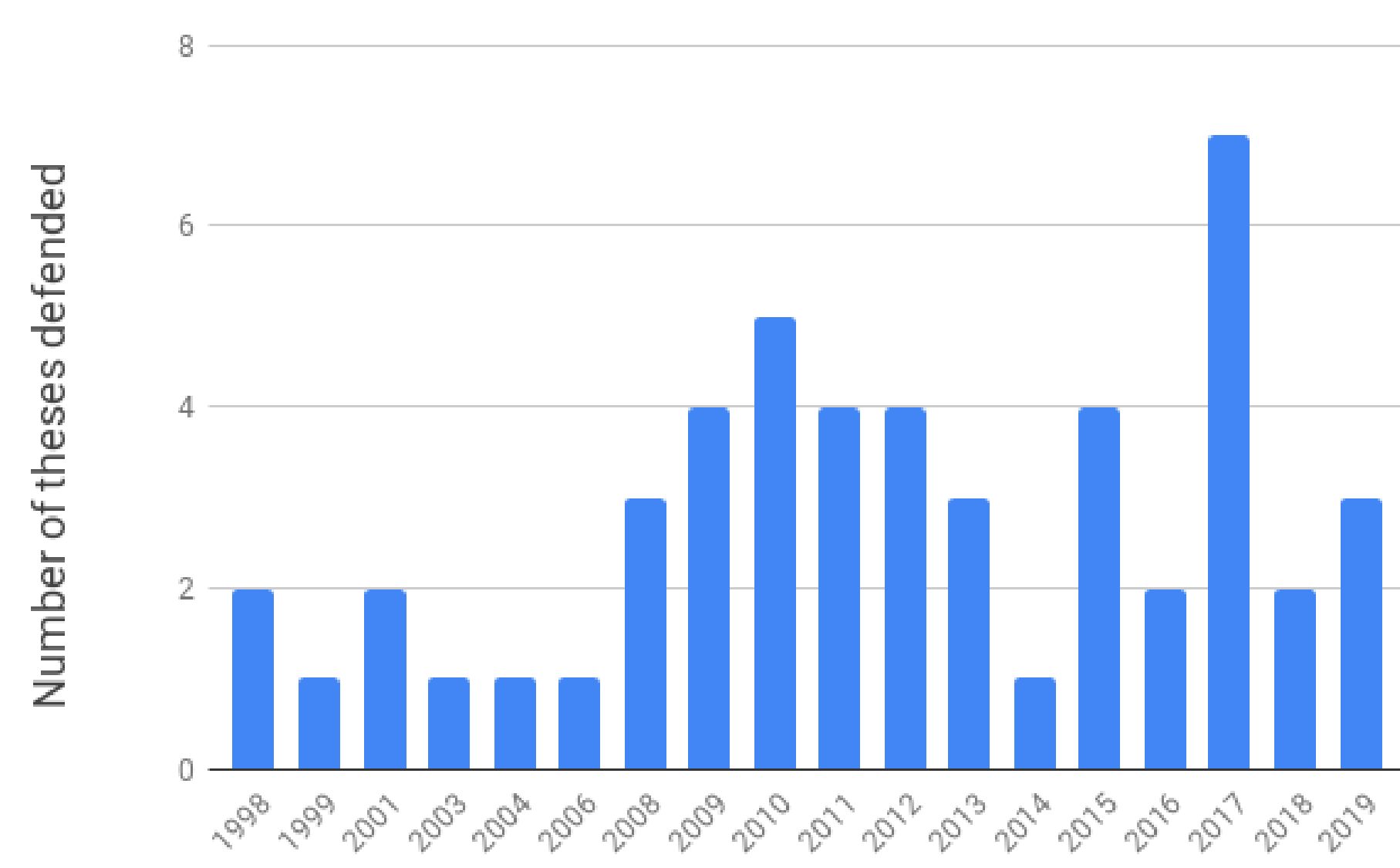
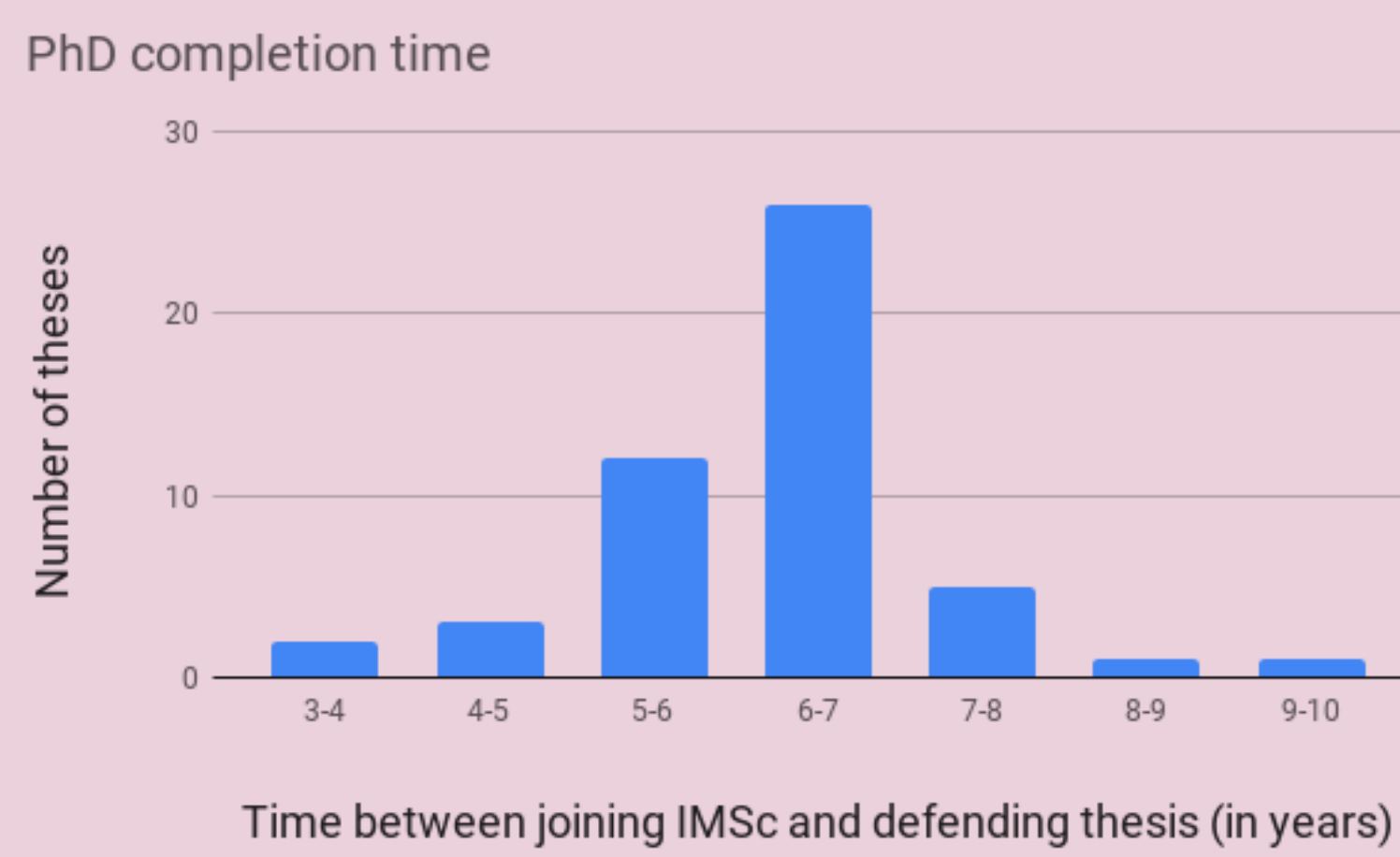


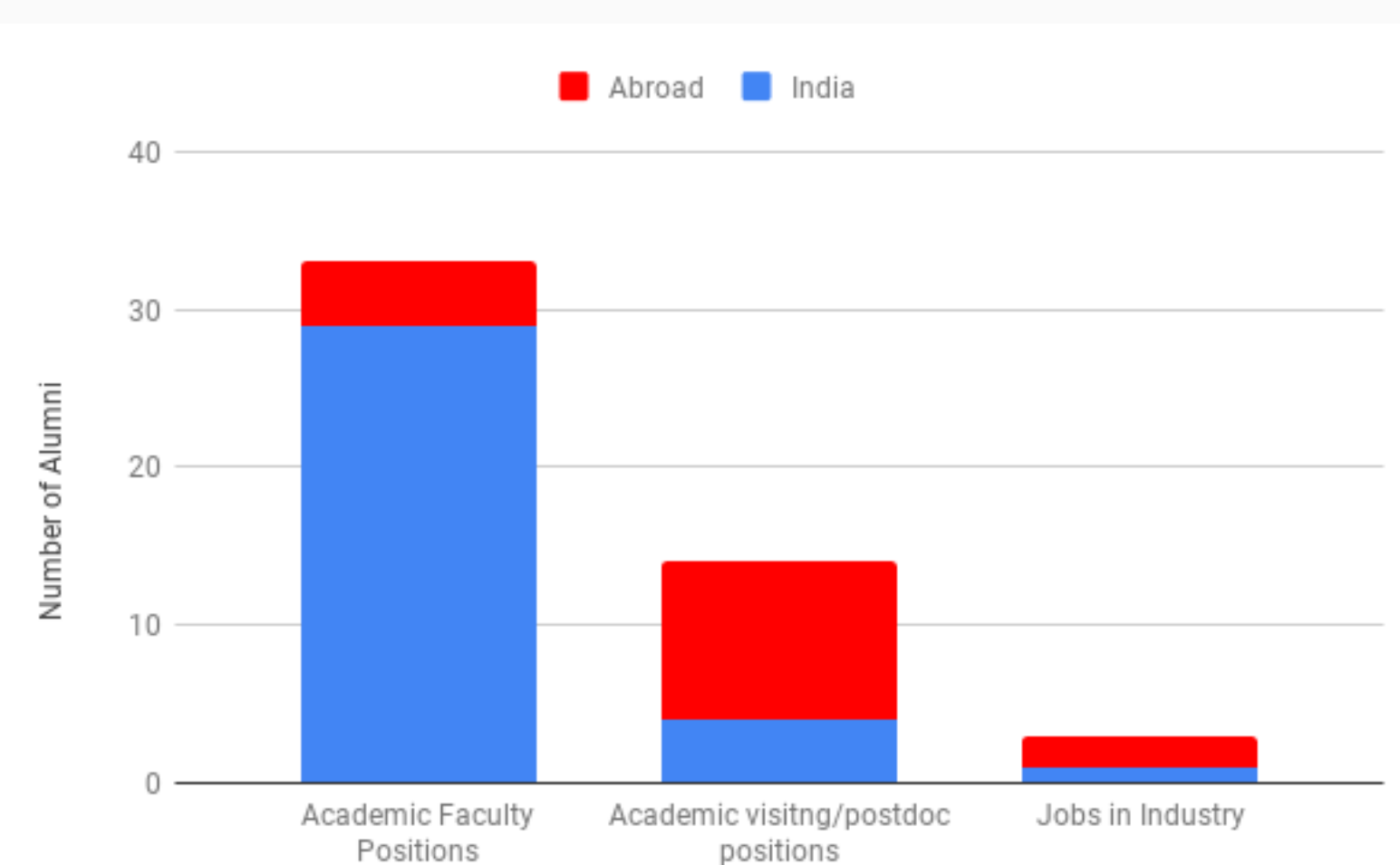
## 50 Doctoral Dissertations from the tcs group at IMSc

50	Ramanathan S Thinniyam	Definability and decidability in first order theories of graph order	Feb 2019
49	Joydeep Mukherjee	Approximation Algorithms for Stochastic Matchings and Independent Sets	Feb 2019
48	Anuj Tawari	Lower bounds for read-once and tropical formulas	Feb 2019
47	Diptapriyo Majumdar	Classic and approximate kernels for structural parameters of some covering problems	Oct 2018
46	Sankardeep Chakraborty	Space Efficient Graph Algorithms	Mar 2018
45	Anup Basil Mathew	Some Decidable Classes of the Distributed Synthesis Problem	Dec 2017
44	Syed Mohammad Meesum	Matrix Editing via Multivariate Lens	Oct 2017
43	Pranabendu Misra	Parameterized Algorithms for some network design problems	June 2017
42	S. Raja	On structure and lower bounds in restricted models of arithmetic computations	Apr 2017
41	Sudeshna Kolay	Parameterized Complexity for Graph Partitioning and Geometric Covering	Mar 2017
40	Ashutosh Rai	Parameterized Algorithms for Graph Modification Problems	Feb 2017
39	Anil Shukla	On Proof Complexity for Quantified Boolean Formulas	Feb 2017
38	Nitin Saurabh	Analysis of Algebraic Complexity Classes and Boolean Functions	Dec 2016
37	Gaurav Rattan	Some Geometrical and Vertex-Partitioning Techniques for Graph Isomorphism	Dec 2016
36	Fahad Panolan	Dynamic Programming using Representative Families	Dec 2015
35	Ramchandra B Phawade	Labelled Free choice Petri nets, finite Product Automata and Expressions	Jul 2015
34	Yadu Vasudev	The complexity of some exact and approximate isomorphism problems	Mar 2015
33	KartEEK Sreenivasaiiah	On verifying proofs in constant depth, and polynomial identity testing	Jan 2015
32	Kunal Dutta	On Certain Invariants of Random Digraphs and Uniform Hypergraphs	Apr 2014
31	A V Sreejith	Regular quantifiers in logics	Dec 2013
30	M. S. Ramanujan	Parameterized Graph Separation Problems: New Techniques and Algorithms	Jul 2013
29	S Sheerazuddin	Automata and logic for systems with unboundedly many agents	Jan 2013
28	Geevarghese Philip	The Kernelization complexity of some domination and covering problems	Mar 2012
27	Amaldev Manuel	Counter automata and classical logics for data words	Feb 2012
26	Neeldhara Misra	Kernels for the F-Deletion Problem	Jan 2012
25	Soumya Paul	A Computational study of strategy switching in large games	Jan 2012

24	M Praveen	Parameterized complexity of some problems in concurrency and verification	Oct 2011
23	Pushkar Joglekar	Randomized Algorithms in some Commutative and Noncommutative Domains	Sep 2011
22	Aravind Natarajan	Forbidden subgraph colorings, Oriented colorings and intersection dimensions of graphs	Jun 2011
21	Srikanth Srinivasan	New Directions in Arithmetic and Boolean Circuit Complexity	Jan 2011
20	Prajakta Nimbhorkar	Complexity Analysis of some Problems in Planar Graphs, Bounded Tree-Width Graphs, and Planar Point Sets	Oct 2010
19	Somnath Sikdar	Parameterizing from the extremes: Feasible parameterizations of some NP-Optimization problems	Jun 2010
18	B V Raghavendra Rao	A Study of Width Bounded Arithmetic Circuits and the Complexity of Matroid Isomorphism	Mar 2010
17	Bireswar Das	Some complexity theoretic aspects of graph isomorphism and related problems	Feb 2010
16	Sunil Simon	A Logical Study of Strategies in Games	Jan 2010
15	Nutan Limaye	Exploring LogCFL using language theory	Dec 2009
14	N Narayanan	Acyclic, k-intersection edge colourings and oriented colouring	Dec 2009
13	Partha Mukhopadhyay	On Polynomial Identity Testing and Related Problems	Sep 2009
12	Jayalal Sarma	Complexity Theoretic aspects of Rank Rigidity and circuit evaluation	Feb 2009
11	Saket Saurabh	Exact Algorithms for Optimization and parameterized versions of some graph theoretic problems	Dec 2008
10	T C Vijayaraghavan	Classifying certain algebraic problems using Logspace counting classes	Nov 2008
9	Rahul Muthu	Acyclic edge colouring: Bounds and algorithms	Sep 2008
8	Piyush Kurur	Complexity upper bounds using permutation group theory	Dec 2006
7	B Meenakshi	Reasoning about distributed message passing systems	2004
6	S P Suresh	Foundations of Security Protocol Analysis	2003
5	S Srinivasa Rao	Succinct data structures	2001
4	P Madhusudan	Control and synthesis of open reactive systems	2001
3	S V Nagaraj	Problems in Algorithmic Number theory	1999
2	Swarup Mohalik	Models for concurrency: Local presentations for finite state distributed systems	1998
1	N V Vinodchandran	Counting complexity and computational group theory	1998



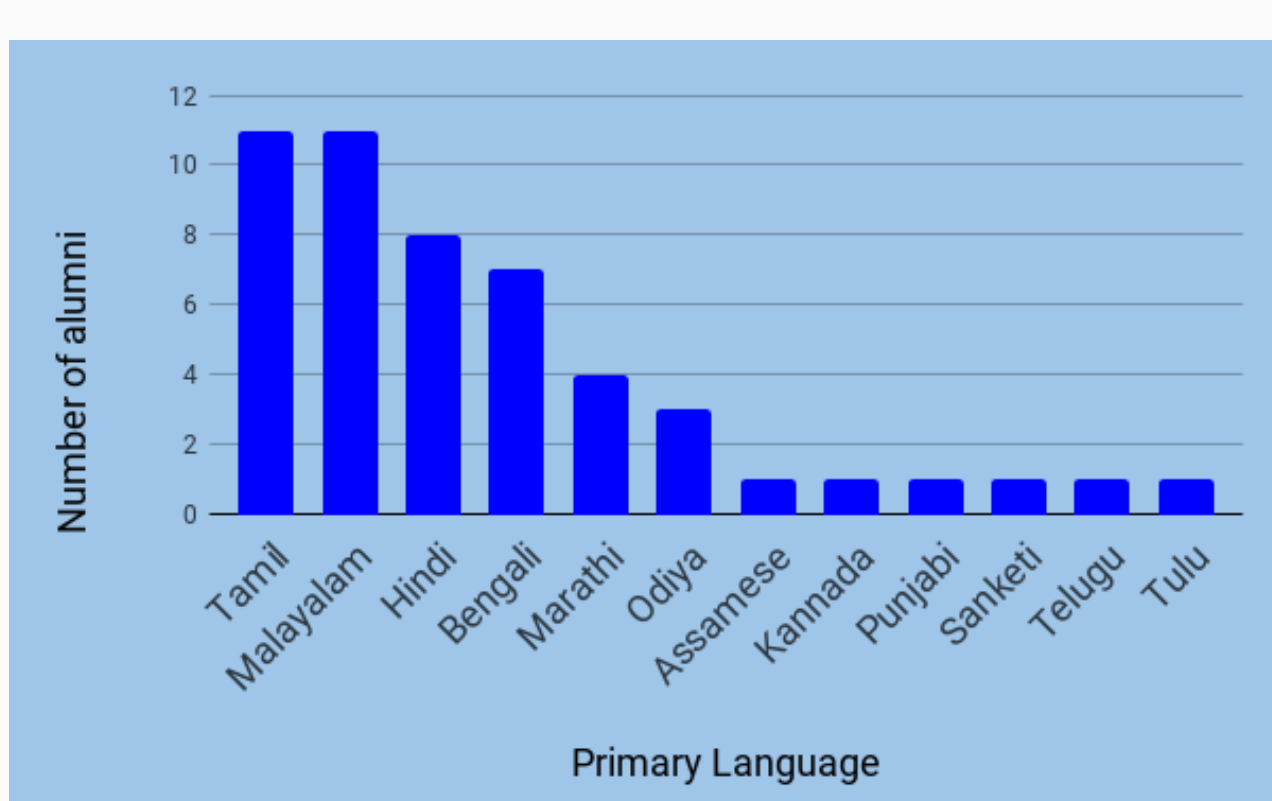
## What our alumni do today



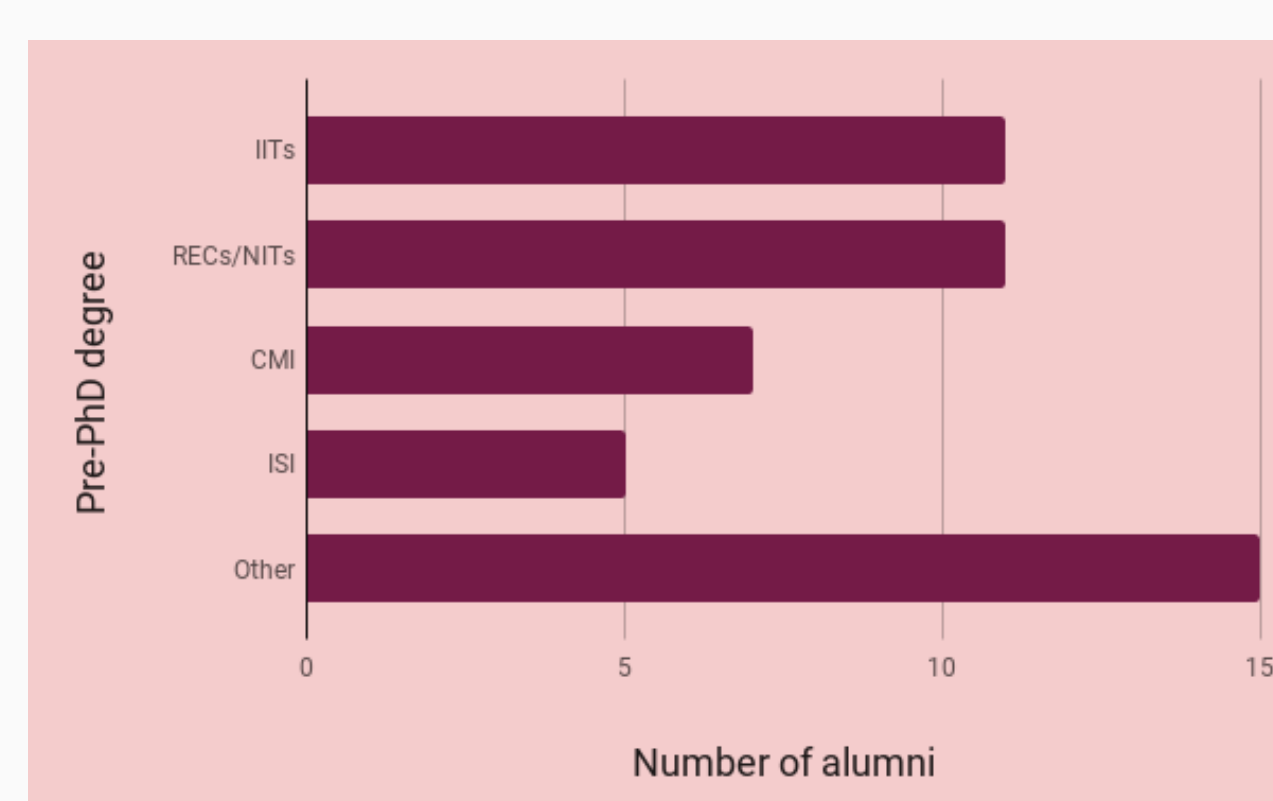
## Alumni academic jobs

- IMSc (1);
- CMI (5);
- the IITs (17) – Madras (4), Palakkad (1), Dharwad (1), Goa (2), Tirupati (1), Hyderabad (2), Bombay (2), Ropar (1), Kanpur (1), Gandhinagar (2);
- BITS Goa campus (2);
- other institutes in India (4)
- UIUC USA (1), UNebraska USA (1), UWarwick UK (1), SNU Korea (1)

## Linguistic Diversity



## Pre-PhD training



## Gender Diversity

