



Symbiosis Institute of Geoinformatics



Symbiosis International (Deemed
University)

“The most important and urgent reform needed in education is to transform it, to endeavor to relate it to the life, needs and aspirations of the people and thereby make it the powerful instrument of social, economic and cultural transformation necessary for the realization of the national goals. For this purpose, education should be developed so as to increase productivity, achieve social and national integration, accelerate the process of modernization and cultivate social, moral and spiritual values.”

(Radakrishnan Commission on University Education, 1948-49)

Symbiosis International (Deemed University)



Students

15568



Ph.D.

520



Programme Offered

84



Faculties

7



Constituents

31



Geospatial Scenario in Academics



- More than 40 university and institution are offering Geoinformatics Programme.
- Out of that only 18 to 20% covered by private university and institution.
- Most of these private university and institution are running post graduate course ,which are under self financed category

SIG....



To cater for the requirements of Human Resource in this emerging field.

To create a professional human resource in the field of Geospatial technology; equipped with IT and information management skills; to cater to the global Geo-Informatics industry requirement.

SIG conducts two years full time M.Sc. (Geoinformatics), M.Tech G&ST, M.Sc. E&S Programme.

Academic Excellence



100 credit program

Students Teacher Ratio 12:1



Curriculum of high standard designed to meet industry requirements



Most regress academic preparation with optional courses



Inclusiveness of Open Source and Proprietary Software

Curriculum Strength

Curriculum

Curriculum is designed to develop a well rounded individual with soft skills as well as in-depth technical knowledge

Industry

Enables our students to choose from various career fronts
Periodic review of curriculum with inputs from industry

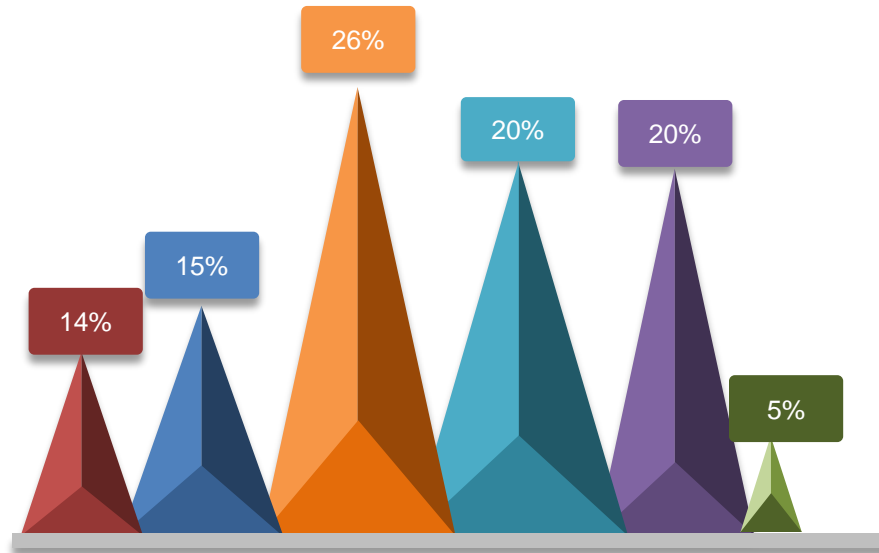
Academia

Academia and industries personal involved in curriculum design. Unique Combinations of research components

Change

Change according to the industry and society requirements and pace with national agenda

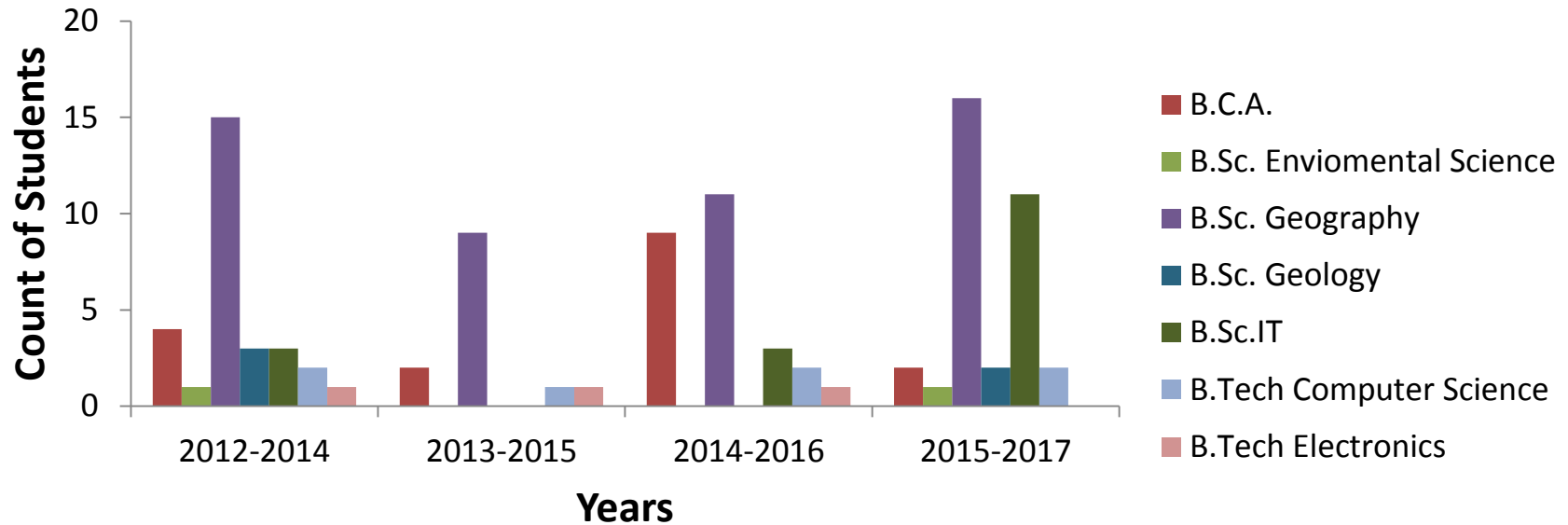
Curriculum Composition



26% IT
20% GIS
20% Remote Sensing
15% Photogrammetry/GPS
14% Applications
5% Management

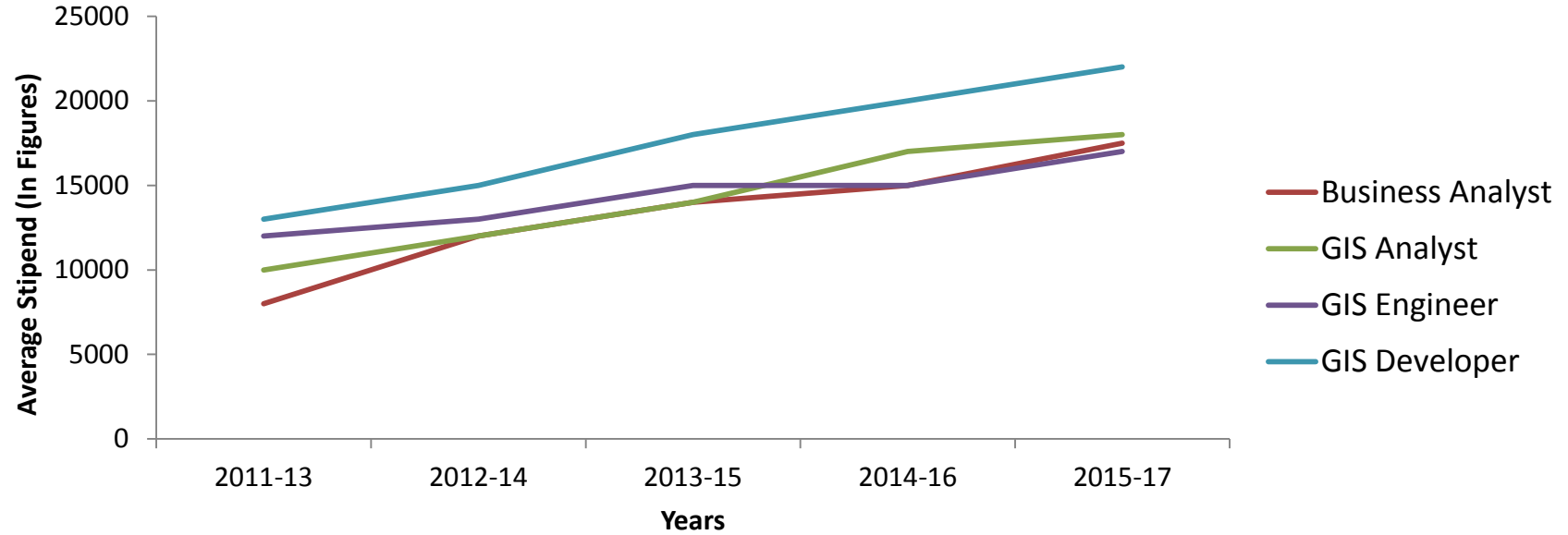
Students Intake

Graduation profile of Student 2012-2017

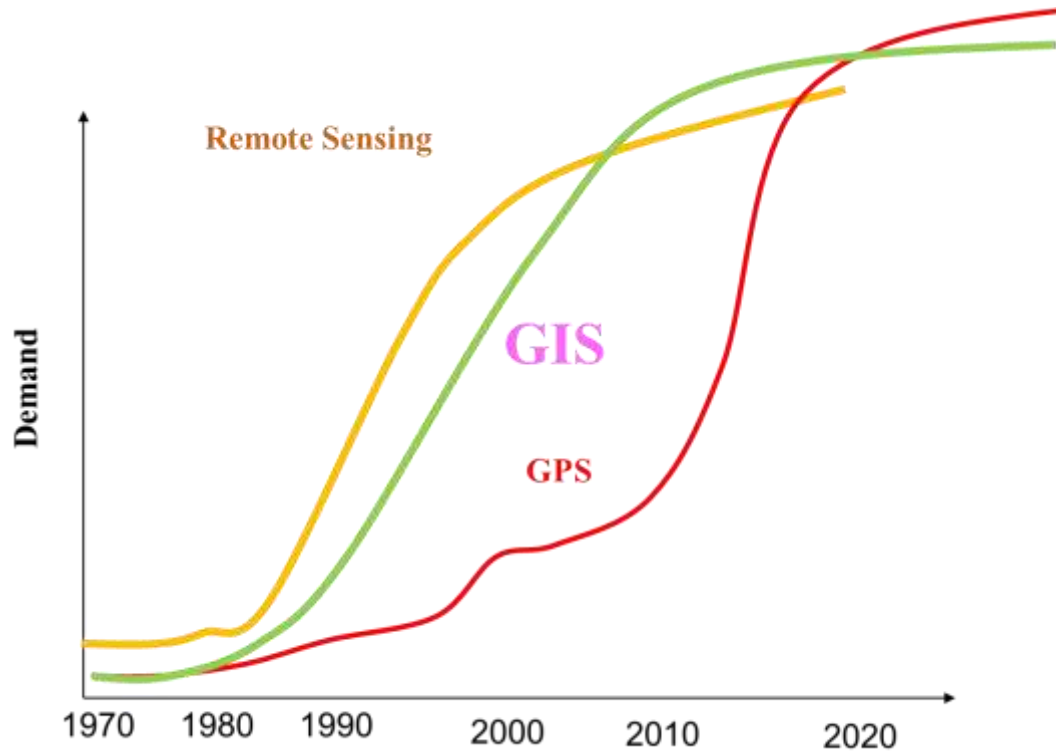


Stipend Growth

Stipend Growth across 2012-2017

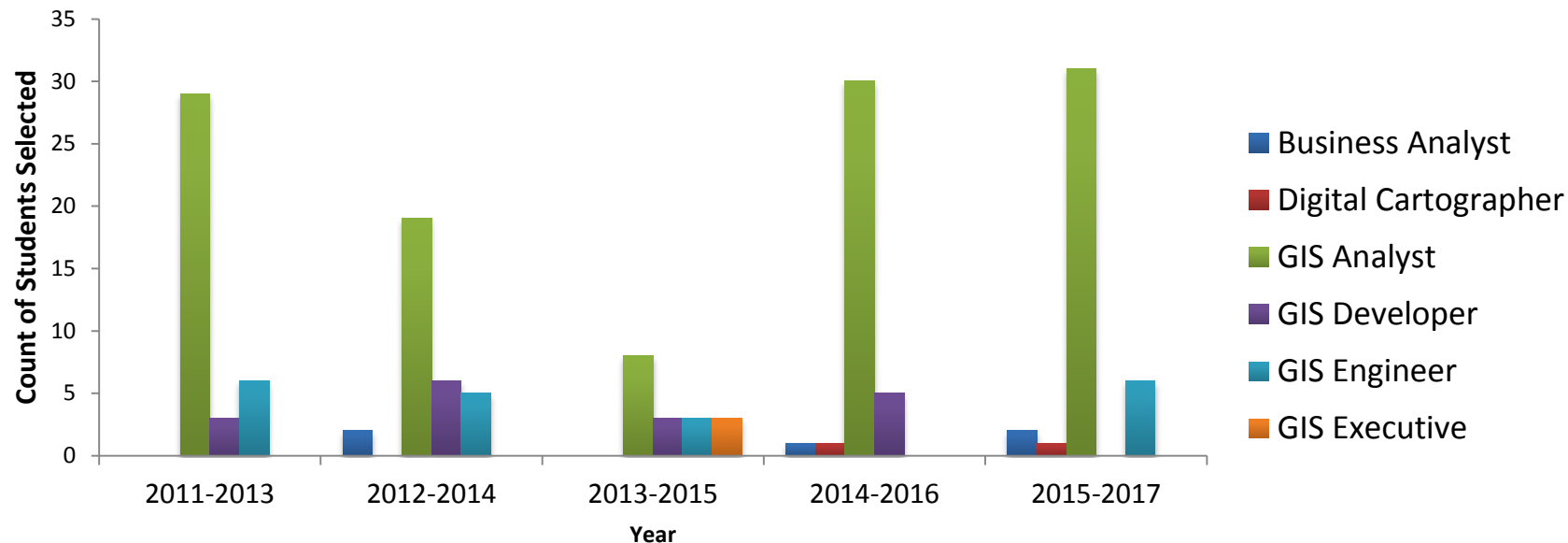


Trend of Technology Demand



Recruitment Trend

Job Profile across last 5 years



Challenges

- Majority of employers required solid IT background (programming-hard science)
- Require excellent soft and communication skill
- Number of students are from Geography and pure science background
- Employer keep shifting them from GIS to core IT platform
- Out of total 20% students are working only in data creation after M.Sc.

Challenges

- Incubation center at Academic Institution is all about knowledge transfer and experience/technology transfer and assessing existing technology.
- Industries are more aware of the vital linkage between the education system and productivity. Even with this awareness, its engagement with academia is tentative and ritualistic than real.
- The various challenges currently facing Academia-Industry collaborations are awareness, identification, evaluation, protection and commercialization of ideas.



Thank you

