



SYMBIOSIS

FOUNDER : PROF. DR.S.B.MUJUMDAR M.Sc. Ph.D.
(Awarded Padma Bhushan by President of India)

ANNUAL REPORT FOR THE YEAR 2017-2018

Name of the College / Institute	: Symbiosis School of Economics
Month and year of Establishment	: August, 2008
Name of the Director / Principal / Head	: Dr. Jyoti Chandiramani
Qualifications of the Director / Principal / Head	: Ph.D. (Economics)

About Head of the Institute:

Prof Jyoti Chandiramani has more than 33 years of experience in Teaching, Institution Building, Administration and Research. Presently, she teaches - Urban Economic Development and Urban Mobility at the Masters level. She has conducted more than 50 Management Development Programs for corporates, such as WIPRO, AZTEC, HP, Intel, Godrej, Zensar Technologies, WNS, Cognizant, EXL, Deloitte, Deutsche Bank, Continuum Solutions, Dr. Reddy's etc.

Prof Jyoti was appointed the Head of the Department Economics at the Symbiosis College of Arts and Commerce in 1992. She was awarded the UGC Fellowship in 2008. Prof Jyoti has been a founder core member of the Symbiosis Centre for Liberal Arts. In 2007, and was awarded a short-term scholarship at the University of DePauw, Indianapolis - to study Liberal Arts Education. In 2013, she was a part of the Indian delegation to Pakistan for the Tenth South Asian Economic Students Meet (SAESM) at Lahore University of Management Sciences, and in 2015, she was conferred with the iCongo instituted Gold Karmaveer Chakra and Rex Karmaveer Global Fellowship in Delhi, for her contributions to the field of education. In April 2015, she was invited to the 5th ASEM Rectors' Conference and as a Mentor for the Students' Forum (ARC5, organized by Charles University and the Asia-Europe Foundation (ASEF) at Prague and has been appointed as a member of the Fourth Estate of the Manipur University. In 2017, Prof Jyoti was invited by Niti Aayog as a member of the Working Group on "City Governance and Smart Cities", in June 2017 and in May 2018, she was invited to Macquarie University to deliver seminar lectures and share the research interests of SSE. Prof Jyoti has been invited as a resource person for national and international conferences.

Prof Jyoti Chandiramani's research interest lies in the area of urban development and international economic cooperation. She has steered and focused the activities at the Symbiosis School of Economics in this direction. To this effect a course on Urban Economic Development has been introduced at the Masters Programme since 2014 (Specialization: Development Studies) and in 2016, Symbiosis School of Economics has been the first economic school to offer a specialization in Urban Development. Besides writing a number of research papers and a couple of text books on International Trade, she has jointly edited a book with Ramanath Jha on 'Perspectives in Urban Development: Issues in Infrastructure, Planning and Governance.'

About the Institute:

Established in 2008, Symbiosis School of Economics has completed ten years and over the decade, the school has shaped its course following the ARPIE model (Academics – Research – Placements – Internationalization and Enhanced Engagements)

Academics: The growing institution has demonstrated a discernible record of success, offering two programmes:

1. B.Sc. (Economics) Honours and
2. M.Sc. Economics with specializations in International Trade, Development Studies and Urban Development.

SSE has two very active centres to cater to specific needs of the students and faculty. The Centre for Quantitative Learning and Applications (CQLA) facilitates advanced level data analysis and statistical software



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training (SAS, SPSS, STATA, R, and other statistical and econometric software) for the students. The Centre for Academic Writing (CAW) supports students in the academic writing of essays, papers and reports of various types. CAW also publishes an annual journal – *Oeconomica Scriptis* – a compilation of outstanding academic writings of the students.

Research: The school prepares its student community with strong research methods (both quantitative and qualitative), software applications, along with a final semester dissertation, which is mandatory both at the Undergraduate and Masters programme. With more than 60 publications the school has actively engaged on varied research projects with NABARD, Chest Research Foundation, INHAF - working closely on rural, urban, trade and development issues.

Placements: Our 1000 + alumni, have been accepted to pursue academics at the leading institutions in India - like Indira Gandhi Institute for Development and Research, Gokhale Institute of Politics and Economics, Delhi School of Economics, Jawaharlal National University, Madras School of Economics, Indian Institute of Technology - (M), Centre for Development Studies – Trivandrum, Indian Institute of Management – Ahmedabad, Bangalore, Indore, Tata Institute of Social Sciences – Mumbai and across reputed International Universities - be it Johns Hopkins University, Columbia University, Boston University, University of Rochester, National University Singapore, London School of Economics, Warwick University, St Andrew's to name a few.

The course rigour equips our students with employable skills in economic data analysis, analytics, market research, economic research and business intelligence, which has helped our students to be recruited by well-established and renowned organizations like: Deloitte, Ernest and Young, ZS Associates, CMIE, RIS, IHS, CRISIL, ICICI Bank, Indusind Bank, Vodafone, Markets and Markets, Public Affairs Centre (PACS) and Research and Development Initiatives (RDI), and many more.

It is evident that through its interdisciplinary flavours, the curricula prepares our students for careers in banks, financial institutions, Data Analytics, media and communication, government, academia, etc. Despite the demanding environment, there is ample scope for creativity, originality and student Initiatives. It is a journey of academic pursuits, which will be ever evolving including different perspectives from varied stakeholders, making the learning increasingly relevant and meaningful.

Internationalization: Symbiosis International (Deemed University) having more than 60 MOUs with leading international universities, this has helped SSE facilitate strong linkages with respect to students and faculty exchange, working towards collaborative research and benchmarking our courses and programmes to international requirements.

Enhanced Engagements: we are closely associated with Niti Aayog, and leading think tanks like Research and Information Systems (RIS), ICRIER, UNDP, INHAF, Shyam Chi Aai Foundation, Sofosh, CII, Cogencis, IDOBRO, TIES, Yunus Centre, Piramal Foundation and many more.

Given the above framework, this very niche institute seeks to develop intellectual discipline, critical and analytical bents of mind and a skill-set that makes our students prepared for academia and industry, alike. We at SSE, achieve these goals in an educational environment committed to excellence and academic freedom. SSE seeks to nurture and develop the intellectual and professional competencies for successful life, work and leadership for its students. While the programmes are rigorous and the pedagogies are designed to make the student learn experientially, as well as through traditional techniques, the curricular and co-curricular inputs connect the students with every aspect of life through micro, macro and the global backdrops and constructs. It is our endeavor to create a class of students who will be capable of including innovations and pragmatism into problem-solving.

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Details of Programs: (as applicable)

- | | |
|---|-----------------------------------|
| a) Schools - Std. wise | |
| b) Graduate Programs, if any | B.Sc. (Economics) Honours |
| c) Post Graduate Degree Programs, if any | M.Sc. Economics |
| d) Post Graduate Diploma Programs, if any | |
| e) Any other | Diploma in Quantitative Economics |



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Academic achievements:

By Staff:

1. Dr. Jyoti Chandiramani and Dr Debdulal Thakur (Dec 2017) organized a workshop on “Creating the Research methodology for Understanding 10 Smart Cities in Maharashtra” in a association with Maharashtra's Smart City Coalition Partners.
2. Dr. Shrabani Mukherjee organized and contributed as resource person of Six day long FDP on “Basic Econometrics and Time Series” (in collaboration with The Indian Econometric Society - TIES) from 20th to 25th November, 2017. This was supported by in-house resource persons – Dr. Ranjan Dash and Dr. Bidyut Ghosh. Ms. Urvashi Dhingra, Ms. Aanchal Airy, Dr. Deepika Chawla, Dr. Ishita Ghosh, Mr. Tarun Khandelwal, Dr. Debdulal Thakur and Dr. Dipankar Das (Nov 2017), our in-house faculty, attended the said FDP.
3. Ms. Ishita Ghosh was awarded a PhD (December 2017) from SPPU, from the department of Mental, Moral and Social Sciences – Thesis topic being: “Area: Assessing Trade Costs in Services through the Gravity Model”
4. Ms. Shilpi Singh & Mr. K.K Roy attended a Refresher Course on “Pedagogy for Online and Blended Teaching-Learning Process” & “Foundation Program in ICT for Education” from IIT Bombay. They also conducted an FDP on Innovative E-Technologies in teaching (STLRC).
5. Dr. Varun Miglani Presented Papers in International Conference on, "Performance of the Crop Insurance Schemes in India with special reference to PMFBY" with Aakanksha Tyagi at International Conference Agribusiness in Emerging Economics, 3-4 January 2018 organised by TERI University and Syracuse University and another conference on "Global Warming and Instability in Foodgrain Production in India – A Literature review" with Aditya Vargante at International Conference Agribusiness in Emerging Economics, 3-4 January 2018 organised by TERI University and Syracuse University.

By Students

1. B.Sc. Students Research Papers:
 - Presented papers at the Loyola College's National Conference "*Towards a Sustainable Agriculture in India*" held on 14 February 2018, which were published in Conference Proceedings book of Pavai Publications.
 - Presented papers at the Loyola College's National Conference “Goods and Services Tax (GST): Impact and Prospects” held on March 7, 2018, which were published in the Conference Proceedings.
 - SSE students presented at the State-level Seminar on “Problem of Farmers' Suicide and Rethinking on Agricultural Policies and Laws in India” on 7th October 2017 at Sinhgad Law College, Pune and the same was published in the Conference Proceedings.
2. Arpan Pandey and Abhinav Mukherjee B.Sc (Economics) Hons. students have won the best delegate awards for their respective committees at the MUN organised by SLS in February 2018.



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Extra-Curricular achievement:

1. Hussain Hariawala student of BSc (Eco) Hons. Batch 2015-18 was a part of Hyperloop India, a multi-disciplinary team, which actualized India's first ever Hyperloop pod prototype - The OrcaPod in Aug 2017.
2. Ayush Lalwani of BSc (Eco) Hons. batch 2016-19 with his partnership firm, Kraken Investments Advisory LLP (incorporated in September 2017) accomplished to raise seed funding of Rs. 40 Lacs, in round A within the first 4 months of the firm's operational period. The seed funding has been raised to water the grass of other operations that the firm dictates under its subsidiary arm, GrubStakeLab aims to promote financial literacy and financial inclusion for everyone; it's major activity being the organization of Mock Stock events.
3. Anmol Suratkal of BSc (Eco) Hons. batch 2017-20 represented SIU Table Tennis team in West Zonals, Placed 2nd in Sympulse Table Tennis Tournament,
4. Parth Mehta of BSc (Eco) Hons. batch 2016-19 won 1 Gold, 2 Silver and 2 Bronze Medal at 53rd Gujarat State shooting Championship, Ahmedabad, Winner of SIU 'S ANNUAL SPORTS SCHOLARSHIP 2017-18, Captain of SIU Shooting team for All India interuniversity shooting championship
5. Nikhilaa Dhaarini R of BSc (Eco) Hons. Batch 2016-19 won second place in SIU volleyball tournament.

Social Initiatives:

1. Students were involved in a social initiative of teaching underprivileged children at Sparsh Balgram NGO. Students spent 2 hours every Saturday and Sunday throughout the year to help these children cope up with studies. Their efforts have been fruitful and are reflected in those children getting higher grades at school this year.
2. Students of B. Sc. Economics (Hons) Batch 2016-19, did a primary and secondary research project on Waste Management for Pune city. The research projects were undertaken in groups of six students. The fieldwork for this research was conducted from January to March of 2018. The topics chosen by students were diverse, covering a wide range of issues viz. household waste, biomedical, electronic waste, paper waste, restaurant waste, sewage etc. Based on the projects, a policy brief is being brought up highlighting the findings, recommendations and scope for further research.

Internationalization:

1. In the year 2017-2018, at the B.Sc (Economics) Honours nine students from SSE were selected for Semester Exchange Programmes at Berlin School of Economics and Law, DHBW, Ravensburg ISEG - Lisbon School of Economics and Management and Leibniz University. Two students from Leibniz University of Hannover, One student from Dauphine University- Paris and One student from DHBW Ravensburg completed a semester at SSE and one student from University of Dauphine completed two semesters at SSE.
2. Dr. Jyoti Chandiramani was invited to Macquarie University, Sydney for a faculty exchange programme.
3. Dr. V. Kalyan Shankar was invited as a Visiting Researcher/ Professor at the University of Wurzburg, Germany for the month of June 2018.
4. Dr. Varun Miglani Presented Poster at the 3rd GlobalFood Symposium 2017, held on 28-29 April 2017 at GeorgAugust University of Gottingen, Germany.



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Details of Staff:

Teaching Staff:

Faculty	Male	Female	Total
Full Time	10	9	19
Part Time	0	0	0
Adjunct	0	2	2
Visiting	12	17	29
Total	22	28	50

Non-Teaching Staff:

Staff	Male	Female	Total
Total	11	15	26

Number of Students:

Program wise: Number of students (in each program)

Name of the Program	Male	Female	Total
M. Sc (Economics)	28	75	103
B.Sc. (Economics) Honours	231	216	447
Diploma in Quantitative Economics	1	6	7
Total	260	297	557

Country wise: Number of students (in all the programs combined)

Country	Male	Female	Total
Bhutan	1	0	1
Canada	0	1	1
India	246	269	515
Kenya	1	0	1
Kuwait	0	2	2
Mozambique	1	0	1
Nepal	0	3	3
Oman	1	0	1
Qatar	0	6	6
Russia	0	1	1
Tanzania	0	1	1
Thailand	1	0	1
UAE	7	9	16
UK	1	1	2
USA	2	3	5
Total	261	296	557



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State-wise: Number of students (in all the programs combined)

State	Male	Female	Total
Andhra Pradesh	8	10	18
Assam	0	2	2
Bihar	2	2	4
Chhattisgarh	3	0	3
Delhi	30	21	51
Goa	1	1	2
Gujarat	6	9	15
Haryana	17	9	26
Jammu & Kashmir	0	3	3
Jharkhand	7	7	14
Karnataka	4	7	11
Kerala	3	14	17
Madhya Pradesh	10	9	19
Maharashtra	59	73	132
Mizoram	1	0	1
Orissa	6	1	7
Punjab	6	2	8
Rajasthan	5	8	13
Tamil Nadu	4	10	14
Telangana	3	7	10
Tripura	0	1	1
Uttar Pradesh	25	27	52
Uttarakhand	2	7	9
West Bengal	44	39	83
Total (must tally with number given in country-wise table for 'India')	246	269	515

Hostel students:

Number of Hostel students (Country-wise)

Country	Male	Female	Total
India	19	22	41
Kuwait	0	1	1
Nepal	0	1	1
Qatar	0	4	4
Russia	0	1	1
Tanzania	0	1	1
Thailand	1	0	1
UAE	2	4	6
USA	1	0	1
Total	23	34	57



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Number of Hostel students (State-wise)

State	Male	Female	Total
Andhra Pradesh	0	2	2
Delhi	3	2	5
Gujarat	1	2	3
Haryana	1	0	1
Jharkhand	1	0	1
Karnataka	1	0	1
Kerala	0	1	1
Madhya Pradesh	3	1	4
Maharashtra	4	4	8
Orissa	0	1	1
Punjab	1	0	1
Tamil Nadu	0	1	1
Telangana	0	1	1
Uttar Pradesh	1	3	4
West Bengal	3	4	7
Total (number must tally with 'India' number given in country-wise table)	19	22	41