



**SYMBIOSIS SCHOOL  
OF ECONOMICS**

# Diploma In **QUANTITATIVE ECONOMICS**

## About SSE

Symbiosis School of Economics (SSE), established in 2008, is an integral part of the Symbiosis International (Deemed University), which has been re-accredited by NAAC with Grade 'A' and a CGPA of 3.58 on a four-point scale. With more than five decades of contribution in the field of education, research and development, Symbiosis has established itself as an undisputed leader in education creating quality resources. Symbiosis School of Economics seeks to develop intellectual discipline, critical thinking and analytical assessment, ultimately resulting in rational thinking and knowledge of the current economic climate. It strives for an educational environment committed to excellence and academic freedom.

Symbiosis School of Economics offers graduate and postgraduate programs in economics. The course content is rigorous with a descriptive and investigative approach to connect students with all aspects of economic areas, focusing on micro, macro and global paradigms. Our endeavor is to develop intellectual and professional competencies among students and equipping them with skills to include innovation and pragmatism in problem solving. With the evolving scope for creativity, originality and student initiatives, Symbiosis School of Economics provides a fulfilling journey of academic pursuits to its students.

## About the Director, SSE

Prof. Jyoti Chandiramani has more than 35 years of experience in teaching and research. She is presently the Director of Symbiosis School of Economics and the Dean Faculty of Humanities and Social Sciences at the Symbiosis International (Deemed University), Pune – India. She teaches Urban Economic Development and Urban Mobility at the Masters level.

Besides writing a couple of textbooks, she has jointly edited a book with Ramanath Jha on 'Perspectives in Urban Development: Issues in Infrastructure, Planning, and Governance.' Her areas of research interest include Urban Infrastructure, Urban Transport, Urban Poverty and she is presently working on Pune centric cases. Besides, she keenly studies and follows trends in International Development Cooperation – from the MDGs to the SDGs. A number of PhD scholars have been awarded their PhD under her guidance with some scholars presently being guided by her. She has undertaken various research projects and consultancy in collaboration with NIUA, NABARD, ITDP, Sulochana Thapar Foundation and with reputed think tanks in India.



## Our Strengths

- Enabling the students to understand and conduct strong analytical and statistical modeling
- Training of Software skills: Advance Excel, R, EVIEWS
- Faculties having strong theoretical and practical knowledge of statistical techniques
- The learning process helps the students to build good communication and presentation skills
- The environment is encouraging and assists the students to take up higher studies in renowned Indian and Foreign universities

## Diploma in Quantitative Economics (DQE)

- SSE offers the Diploma in Quantitative Economics through the Centre for Quantitative Learning and Applications (CQLA) at SSE
- The CQLA was created to provide a platform for the leading researchers and practitioners to interchange ideas and knowledge to support quantitative research in social sciences and management
- The centre supports researchers with advanced-level training within the analytical and quantitative disciplines of economics, econometrics, finance, and accounting
- The centre facilitates advanced level data analysis and statistical software training (Advance Excel, R, EVIEWS) and other statistical and econometric software for the students and researchers to enhance their analytical capability



## Aims and Objectives of DQE

- To understand the core methods of Quantitative Economics, Statistics and Econometrics and Mathematical Economics including their strengths and limitations, at a level appropriate for a social science graduate.
- To understand how Quantitative tools that can be applied to test economic theories and measure economic magnitudes, and have some knowledge of methods and results in selected areas of the applied economics literature.
- To Distinguish appropriate mathematical and statistical methods to provide a framework for understanding and characterizing this uncertainty.
- To focus on practical experience of the application of econometric tools using software packages.

## Strength of the Programme

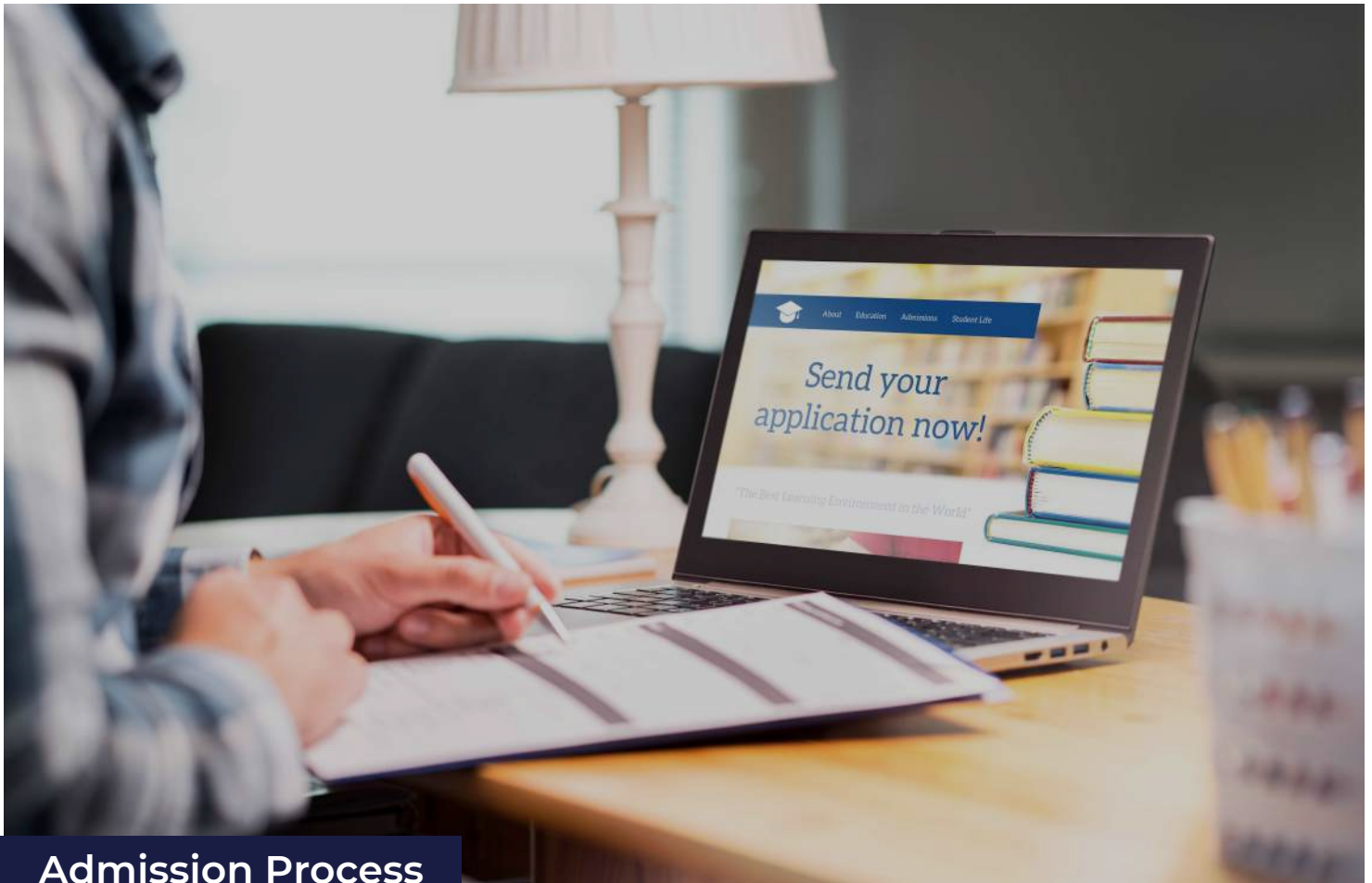
- The DQE program combines core training in economic theory with quantitative tools such as statistics, and econometrics which is useful for students in their professional careers.
- In addition, the program emphasizes practical learning by exposing students to econometric techniques, statistical software packages, and data analysis through their coursework and project work.

## Programme Structure

Semester I	Semester II
Foundations of Mathematics	Econometrics
Applied Statistics	Operations Research
Quantitative Analysis through Software	Managerial Economics
Macroeconomic Theory	Project Work
Mathematical Economics	

## Programme Outcome

- **Skillsets**  
After completing the DQE programme, students will enhance their analytical skills, economic theory, Numeracy, and quantitative skills, IT skills, report writing etc.
- **Enhanced Employability-**  
After completing the DQE program, the employability of the students is going to increase and they will be suitable for jobs like:
  - Research analysts
  - Financial analysts
  - Data analysts
  - Investment associate



## Admission Process

You are advised to carefully read all instructions as given below

- Application form will be available on the website- [www.sse.ac.in](http://www.sse.ac.in)
- Candidates will be selected on merit. An offer letter will be sent to the selected candidates, after which, fees can be paid.

<b>Duration</b>	1 Year
<b>Reservation of Seats</b>	NA
<b>Eligibility</b>	Any UG with exposure to Economics/ Mathematics/Statistics with 45% Marks and Mathematics in Higher Secondary (Compulsory)
<b>Selection Procedure</b>	A personal Interview (PI) will be conducted
<b>Mode</b>	Online
<b>Medium</b>	English



## **CONTACT DETAILS FOR ADMISSION QUERIES**

Symbiosis School of Economics Senapati Bapat Road, Pune 411004

Email: [dqeadmissions@sse.ac.in](mailto:dqeadmissions@sse.ac.in) | Tel.: 020 - 25675406, 25672520

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**Dr. Ranjan Dash & Mr. Tarun Khandelwal** (Programme in Charge)

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**Mr. Amit Gholap (Coordinator)**  
020 - 25675406 - Ext 224

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