The Master of Science in Technopreneurship and Innovation Programme (MSc TIP) aims to develop and equip global entrepreneurs with the skills and stamina to turn novel ideas into successful ventures in the fast-paced economy today.

Modelled after the venture creation cycle, this graduate programme enables candidates to develop an entrepreneurial mindset and the essential business knowledge. Participants learn effective entrepreneurship problem-solving techniques and business decision making approaches through the unique TIP pedagogy: Experiential Learning, Global Immersion and Transformational Experience.

### MSc TIP Modules & Courses

1. **Entrepreneurship & Business Planning**
2. **New Venture & Entrepreneurial Marketing**
3. **Intellectual Property & Technology Evaluation & Commercialisation**
4. **Strategic Management for New Ventures & Technology Firms**
5. **Venture Capital Financing**
6. **Accounting for New & Ongoing Ventures**
7. **Strategic Human Resource Management for New & Ongoing Ventures**
8. **Seminars on Special Topics in Technopreneurship**
10. **Developing New Business Models**
11. **Technology, Innovation & Design**
12. **Sustainable Leadership & Strategy Innovation**
13. **Corporate Finance & Merger & Acquisition**
14. **Entrepreneurship Case Study Project**

**Overseas Immersion Programme**
1. ENTREPRENEURSHIP & BUSINESS PLANNING
Focuses on equipping candidates with knowledge and tools including business plan development and start-up planning that generate and translate entrepreneurial ideas into successful enterprises.

2. NEW VENTURE & ENTREPRENEURIAL MARKETING
Key entrepreneurial marketing concepts and methods are imparted along with sophisticated marketing approaches and practical guidance on their application in entrepreneurial situations.

3. INTELLECTUAL PROPERTY & TECHNOLOGY EVALUATION & COMMERCIALISATION
Investigates models and tools for effective management of an organisation’s Intellectual Property (IP), including patents, copyright, trade secret, etc. with emphasis on the identification of appropriate options and methods for organisations to protect and exploit their investments in developing IP.

4. STRATEGIC MANAGEMENT FOR NEW VENTURES & TECHNOLOGY FIRMS
Explore strategic tools and priorities with which entrepreneurs create and sustain a competitive advantage in today’s challenging and complex business environment.

5. VENTURE CAPITAL FINANCING
Explore high-risk financing from entrepreneurial and venture capitalists’ perspectives and learn financing strategies for different stages of the venture lifecycle.

6. ACCOUNTING FOR NEW & ONGOING VENTURES
Introduces candidates to entrepreneurial accounting and provides them with a preliminary tool to survive as an entrepreneur.

7. STRATEGIC HUMAN RESOURCE MANAGEMENT FOR NEW & ONGOING VENTURES
Focuses on people management related challenges and considerations and discusses practical management methods and techniques in entrepreneurial context.

8. SEMINARS ON SPECIAL TOPICS IN TECHNOPRENEURSHIP
Distinguished industry speakers and faculty experts take participants through specialized topics relating to techopreneurship and innovation.

9. NEW VENTURE CREATION: IMPLEMENTING BUSINESS STRATEGY & MANAGING GROWTH (SIMULATION)
Participants work in teams to run a simulated start-up company for three years in a realistic global business setting—working with guidance from instructors and/or mentors to assume top management roles, make business decisions and manage business operations.

10. DEVELOPING BUSINESS MODELS
Participants will form "venture teams" to evaluate IP positions and develop business concepts for "patented" emerging technologies available for venture creation from a "technology menu" consisting of technologies created by the Nanyang Technological University, Agency for Science, Technology Transfer Network (NST) or other institutions/organisations.

11. TECHNOLOGY, INNOVATION & DESIGN
Focuses on how start-up companies manage the process of innovation for sustainable competitive advantage.
Topics discussed:
- Creativity, knowledge and skills
- Working environment and infrastructure required for innovation
- Generation and evaluation of ideas in product development process
- Management of innovation leading to technology commercialisation
- Needs identification and product specifications

12. SUSTAINABLE LEADERSHIP & STRATEGY INNOVATION
The essence of leadership including models, traits, skills and ability, concept of strategy innovation in contrast with product or technology innovation and the concept of business design innovation are introduced in-depth to develop the leadership capacity: analytical skills and knowledge of leading organizational change and conducting a business redesign based on changing customer priorities.

13. CORPORATE FINANCE & MERGER & ACQUISITION
Study the principles of financial management in the analysis of corporate financial problems in on-going ventures. This includes equity and debt financing, managing corporate growth, free cash flow, risk management, international corporate finance and real options.

14. ENTREPRENEURSHIP CASE STUDY PROJECT
Participants are required to undertake an entrepreneurial case writing project where they will prescribes teaching objectives to the case and propose answers to strategic questions.

OVERSEAS IMMERSION PROGRAMME
Specially crafted Overseas Immersion Programme comprising corporate visits, workshops/seminars at leading colleges and provides participants with an eye-opening and thought-provoking learning experience. Through this learning journey, participants will be able to develop a holistic view of the entrepreneurship ecosystem and gain a sense of current trends and emerging directions of entrepreneurship.