

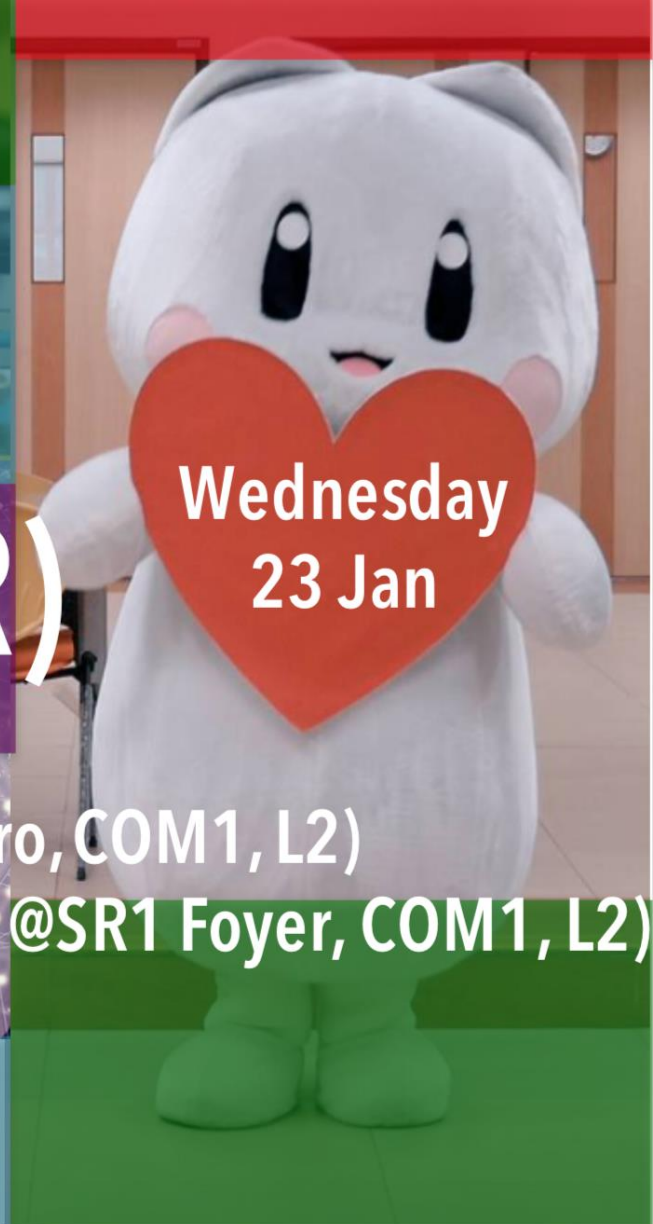
School of Computing

UNDERGRADUATE

RESEARCH (SoCUR)

2-3pm – Talks : Research as a Career (@Cerebro, COM1, L2)

3-6pm – Research in SoC Labs (poster exhibit @SR1 Foyer, COM1, L2)



| | | | | | |
|--------------------|-----------------------------------|-----------------------------|--------------------|---------------------------------|-----------------|
| Health Informatics | Data Science & Business Analytics | IS Development & Management | Digital Innovation | Social Media & Digital Business | Economics of IS |
|--------------------|-----------------------------------|-----------------------------|--------------------|---------------------------------|-----------------|

| | | | | | | | |
|---------------------|-------------------------|-----------------------|----------|--|-------|----------------------|----------|
| Algorithms & Theory | Artificial intelligence | Computational Biology | Database | Programming Languages & Software Engineering | Media | Systems & Networking | Security |
|---------------------|-------------------------|-----------------------|----------|--|-------|----------------------|----------|

Why SoCUR ?

Ad-hoc informal feedback of undergraduate students :

- Year-1 students do not even know that research is an option for them, let alone how to get involved.
- Year 1 and 2 undergraduates often do not really know what a research process is.
- Many are open to the idea of doing research but do not know the first thing about attaining a student research position.
- Year 1-2 courses do not incorporate or highlight research conducted at the School.
- Many students get involved in research late in their undergraduate years, often by chance and learning the hard way that there are opportunities for determined students.

Objectives

To provide an opportunity to undergrad students to know more about research pathways during undergraduate school years and possibly pursue a PhD.

To provide an opportunity for Undergraduate students to know more about SoC Research Labs and interact with Research students.

SoCUR – School of Computing Undergraduate Research

23 Jan 2019, Wednesday, 2-6pm

Talks - Research pathways; Research@SoC Labs

Poster exhibit (@SR1 foyer)

32 Posters & 10 Talks

Participation by 17 Research Groups





Organized by: Kan Min Yen & Bimlesh Wadhwa

Funded by: Student Life

Supported by:

Comp Club(Student Leaders)

Student Life (Adele, Arifah)

UG Office (Florence)

Dean's office (Ying Ling)

TechDesk & AVTech

Next:

Make SoCUR an annual or semester-al event

Get more labs to participate.

Convert assets from the SoCUR event into UG Research landing page.

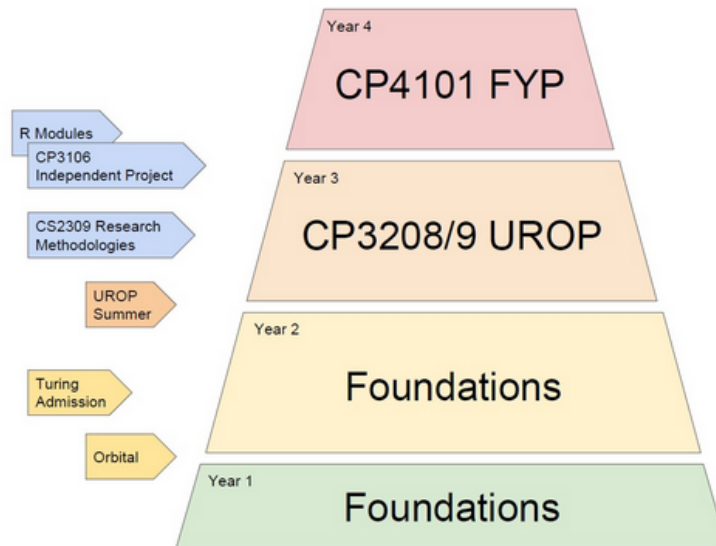
Project Modules

Project modules allow undergraduates to experience research through active participation, experiencing first-hand the challenges and exhilaration of research and discovery, and impactful software development projects. In research project modules (UROP, R modules, CP3106, CP3108 and FYP) professors and their research teams will work with students to expose them to research activities that embody the lifecycle of the scientific method:

- Problem formulation;
- Literature survey;
- Attending research seminars;
- Proposal and implementation of solutions and their evaluation; and
- Documentation and presentation results

In development project modules (Orbital, CP3106, CP3108, and FYP), students contribute to impactful software development featuring recent software trends, while integrating their experience with their academic foundations.

An indicative road map that illustrates some of the possibilities for undergraduates to enhance their personal experience through projects is shown below:



Overview

Year 1: This is your foundation year. Doing well in your foundation modules with respect to introductory programming, data structures and algorithms will help to convince prospective research mentors that you can handle your coursework while investigating research.

Undergraduate Research Day (SoCUR)

To help our Undergraduates do better at selecting the appropriate UROP, special programme, or Final Year Project pathway, the School of Computing organised its inaugural SoC Undergraduate Research Day (SoCUR), featuring a discussion of the research pathway, and where faculty advisors and their research team showcased and shared their research work.

