

# SPD5152 Industry-Based Student Project

<http://ibse.hk/SPD5152/>



## Briefing Session



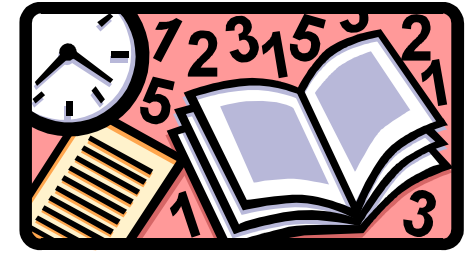
*Ir. Dr. Sam C. M. Hui*

Faculty of Science and Technology

E-mail: [cmhui@vtc.edu.hk](mailto:cmhui@vtc.edu.hk)

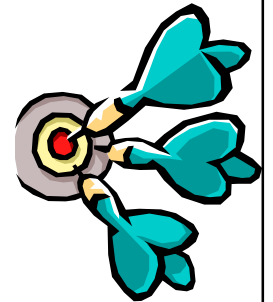
Apr 2017

# Course information

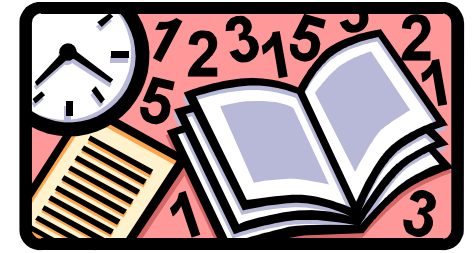


- Module Aim(s):

- To provide an industry-based student project (IBSP) for students to develop working and **research skills** in identifying, diagnosing and solving industry based engineering problems. It provides an opportunity for students to develop their techniques of **investigation, analysis and synthesis** in the engineering context and the integration of knowledge gained in different subject areas. Moreover, the module nurtures students' ability to work independently under realistic engineering working environment.



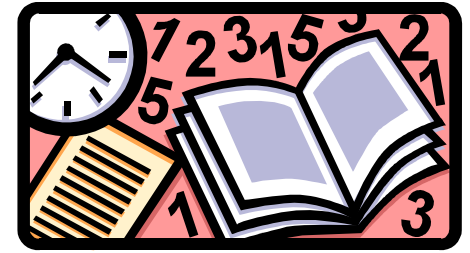
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- Learning Outcomes:

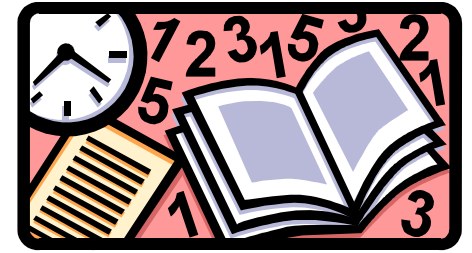
- 1. integrate and apply knowledge and skills learned in the Programme and experience gained to solve building services related problems through different stages of development, including **literature and information search**, design, fabrication, testing and evaluation with exposure to current developments in the industry locally or in Mainland China;
- 2. implement relevant aspects of **project** management including scheduling, market/user requirements, product/project costing, documentation;
- 3. work **individually** and as a team member on realization of project tasks with due reflection on engineering and environmental issues; and
- 4. produce **formal written report** and give **oral presentations** describing the work.





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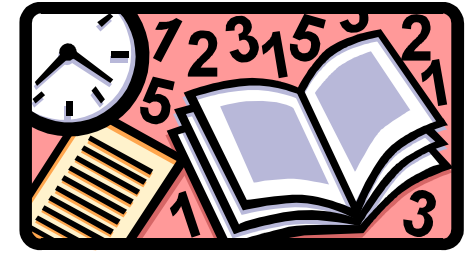
- Assessment Methods:
  - Reflective Journal (15%) – At interim review
  - Presentation (15%) – At interim review and final presentation
  - Final Report (70%) – At final presentation
- Course Website:
  - <http://ibse.hk/SPD5151/>
- Classroom: Room 811, THEi TY
  - For briefing, seminars and oral presentations
- Students are expected to consult their project supervisor on a regular basis



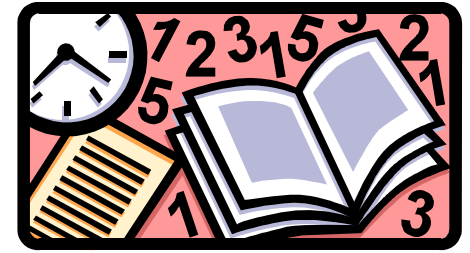
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- Schedule of activities: (Fridays, 19:00-21:00, Room 811, 8/F THEi Building)
  - Briefing on 7 Apr 2017 (Fri)
  - Research seminar (literature study): 21 Apr 2017 (Fri)
  - Research seminar (methodology): 26 May 2017 (Fri)
  - Interim review: 9 Jun 2017 (Fri)
  - Final presentation: 28 Jul 2017 (Fri)
- After confirmation of study topic, meetings between the student and supervisor will be arranged by themselves. References will be specified or provided by individual project supervisors.

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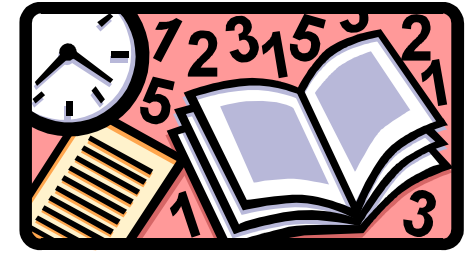
- Study topics and supervision:
  - Students may select the topics proposed by the academic staff and should contact the potential supervisor to discuss the details.
  - Student may propose his/her own study topic and should identify a suitable academic staff to supervise the project study. The student should contact and discuss with the potential supervisor to fine tune and confirm the study topic.
  - All the students should confirm the study topic and supervisor [on or before 21 Apr 2017 \(Fri\)](#).



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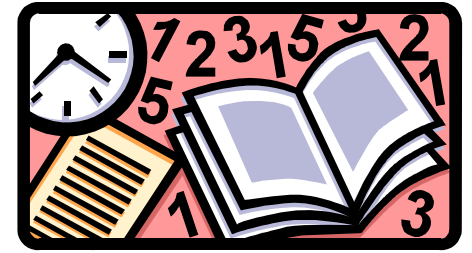
- BSE academic staff (potential supervisors):
  - Ir. Dr. Sam C. M. Hui [cmhui@vtc.edu.hk]
  - Sr. Ir. Dr. WU Wing Kin, Dennis [denniswu@vtc.edu.hk]
  - Dr. WANG Yuanhao [wangyuanhao@vtc.edu.hk]
  - Dr. LUO Yimo, Constance [yimo.luo@vtc.edu.hk]
  - Dr. TSANG Kin Wai, Ernest [ernest\_tsang@vtc.edu.hk]
  - Dr. WANG Shi Feng, Stephen [sfwang@vtc.edu.hk]
- Please visit the course website to read the proposed study topics by the academic staff  
<http://ibse.hk/SPD5152/project.htm>

# Course information



- Project study process:
  - 1. Research and Planning: information research, literature survey, development of project plan and work schedule
  - 2. Project Implementation: theoretical study, experimental work, hardware and/or software where appropriate, critical appraisal and analysis of findings
  - 3. Project Reporting: record of work/activities, progress and learning reports, formal written project report, oral presentations





# Course information

- Useful Checklists/Guides:  
<http://ibse.hk/SPD5152/resources.htm>
  - 1. Research Proposal and Formulation
  - 2. Reading Skills
  - 3. Literature Review
  - 4. Referencing
  - 5. Report/Thesis Organisation & Planning
  - 6. Report/Thesis Writing
  - 7. Oral presentations