

# **Overview of EEE DIP**

Prof Wen Changyun  
Chairman, DIP Committee

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# Introduction

- All the third year students will do DIP
- The 2013/2014 Design and Innovation Project (DIP) for will be carried out during
  - Semester 1, 12 Aug – 15 Nov 2013; or
  - Semester 2, 13 Jan – 18 April 2014.
- Students normally work on DIP for 6 hours per week over the 13 weeks
  - 1.30pm - 4.30pm on every Wednesday
  - The other 3 hours are flexible

# Selection of Thematic Programmes

- All DIP projects are classified according to Thematic Programmes.
- Currently there are 8 thematic programmes

- Smart and Micro Grids for Integration of Renewable Energy Sources
- Smart Electronics
- EEEbot – The Robotic Challenge
- UAVIONICS Programme
- Satellite Programme
- Radar Programme
- Undergraduate Photonics Programme
- Mobile Computing Thematic Programme

# Procedures on the Selection and Allocation of Thematic Programmes

- Announcement to all the students
- Each student will indicate 3 options and also the semester of doing DIP through Studentlink by **27 March 2013**
- Announcement of the allocation results to students on **1 April 2013**

# Proposal and Allocation of Projects

There might be 3 options:

- (1) Staff proposals;
- (2) Staff/Student joint proposals; and
- (3) Student proposals only

The availability of options depends on each individual programme

If Options (2) and (3) are available, the procedure and guidelines are

- ❖ Firstly, students under the same **thematic programme** should form a group of **maximum 10 students** subject to
  - At least **4 students** from those admitted to **Engineering 1**; and
  - At least **4 poly direct-entry students** admitted to **EEE 2**.
  - Each student is only allowed to join one group.
  
- ❖ Elect a group leader



## Option 2: Staff/Student joint proposals

>> Contact the programme coordinator and/or [academic staff](#) and propose a project together with the staff;

>> The group leader logs in to [Studentlink](#) to input the **project title**, **project summary**, **thematic programme**, the **names** and **matric numbers** of all the group members by the **15 April 2013**. The group leader is allowed to make changes including adding and dropping group members before the deadline;

>> The contacted staff will be informed and the proposal will be evaluated after the deadline

- If accepted, the group is guaranteed to do the project under the supervision of the contacted staff. If the number of students in the group is less than 10, the project will be made available to other students for selection.
- If rejected, the group leader will be informed.

All the students in the group will select a project from the list of available projects

A suitable project will be allocated to each student based on his/her options. In this case, the students are not guaranteed to be in the same project group.

## Option 3: Student proposals

>> Propose a suitable project together;

>> The group leader logs in to [Studentlink](#) to input the ***project title, project summary, thematic programme*** the ***names*** and ***matric numbers*** of all the group members by the deadline **15 April 2013**.

The group leader is allowed to make changes including adding and dropping group members before the deadline;

>> The proposal will be evaluated after the deadline.

- If accepted, the group proposing the project is guaranteed to do the project under the supervision of up to two academic staff.
- If the number of students in the group is less than **10**, the project will be made available to other students for selection.
- If rejected, the group leader will be informed.  
All the students in the group will select a project from the list of available projects.

A suitable project will be allocated to each student based on his/her options. In this case, the students are not guaranteed to be in the same project group.

## Remarks:

- Late proposals after the deadline **15 April 2013** cannot be submitted.

- For students who do not submit proposals, they will be informed to select a project from the list of available projects in his /her **thematic programmes**.

In this case, students **need not form** their own groups.

# PROJECT SELECTION AND ALLOCATION

- Send students a list of projects under each programme.
- Each student can enter up to **3 project choices** in his /her **thematic programmes** through Studentlink by the deadline **25 April 2013**.
- Project allocation will be done by a computer program. Project allocation is **NOT** based on a “first come first served” basis.
- The results of the project allocation to students will be available at the website after **13 May 2013** .

# DIP Competition

In order to encourage students and their supervisors to come up with the best innovative design, one DIP competition will be held among projects within respective Thematic Programmes.

Details will be made available later.

# DIP Assessment

Students' performance during the project will be closely monitored and assessed by supervisor according to a set of criteria.

The **areas** of assessment are:

- *Technical Knowledge and Skills*
- *Project Report*
- *Oral Presentation*
- *Attendance and Participation*

The assessment will contribute towards the overall examination result of DIP - EE3080.



# Project Report

- **Each student** needs to write an **individual** report of 4 to 5 pages (excluding appendices)

A group report about the entire project must also be submitted.

- **Submission Deadlines:**

**15 November 2013**

for Semester 1

**18 April 2014**

for Semester 2

During assessment, the following will be considered as references:

- Competition Result
- Peer Review Result in terms of ranking

*Each student is required to give peer reviews to all the members in the project (compulsory)*

Deadlines for peer reviews:

- 15 November 2013            for Semester 1
- 18 April 2014                for Semester 2

## Important Deadlines:

Deadline for selecting thematic programmes

**27 March 2013**

Deadline for submitting project proposals

(DIP in Semester 1)

**15 April 2013.**

Deadline for selecting projects

(DIP in Semester 1)

**25 April 2013**

- **For more information, please visit**

<http://www.eee.ntu.edu.sg/events/DIP2013-14/Pages/Home.aspx>.