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Department of Electronics and Communication Engineering

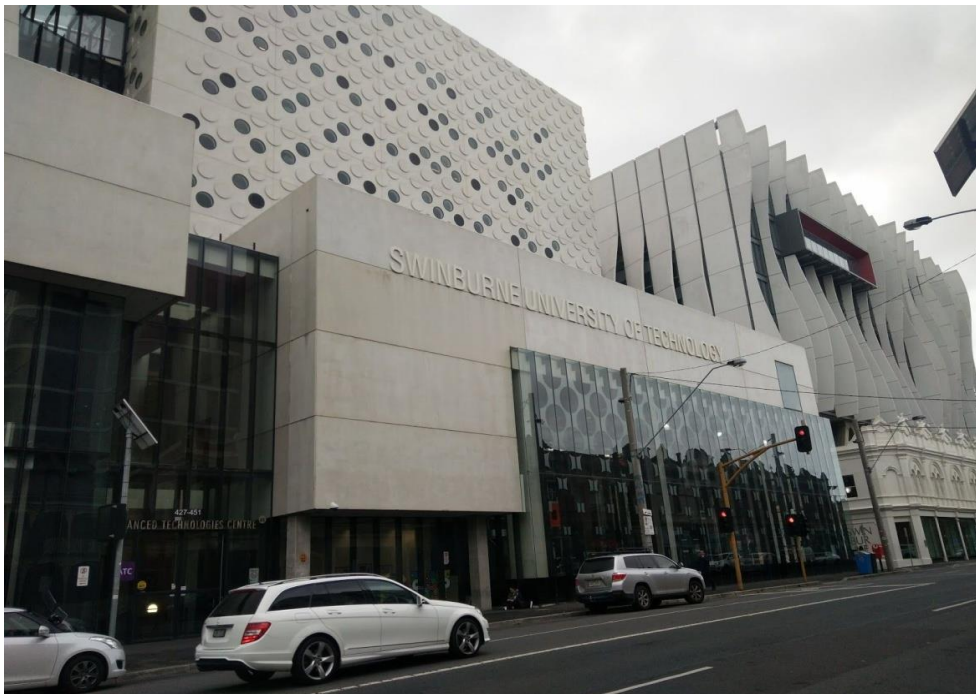
Government College Of Engineering, Dharmapuri

Swinburne University,

Melbourne University, Australia.

2018

**FOREIGN TECHNICAL TRAINING
PROGRAMME AT SWINBURNE
UNIVERSITY OF TECHNOLOGY**



S.NANDHINI

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

GOVERNMENT COLLEGE OF ENGINEERING, DHARMAPURI

18.05.2018 TO 2.06.2018

SUMMARY

Sixty students of Anna University and Government Engineering Colleges were selected to undergo Foreign Technical Training Program (FTTP) at Swinburne University of Technology, Melbourne, Australia. I am one of them. On the very first day we are asked to assemble at Hawthorn art centre. Prof. Ajay Kapoor addressed the gathering. There we had a session on Australian History and Report Writing given by Prof. John Mark webb. On that evening Dr. Karan Kapoor divided us into twelve groups to do projects. Several topics were discussed and topics are assigned for each groups, all the topics are based on making Chennai a smart city. Regarding projects we made a lot of observations in Melbourne. My project is GPS TRACKING guided by Dr. Karan Kapoor.

We had a lecture on Future Smart Cities by Dr. Hussein Dia and Electric Vehicles by Dr. Suresh Palanisamy in Swinburne University. Apart from this we had a chance to explore the technologies and methods used in Swinburne. We had a chance to meet Honorable Finance Minister of the state Victoria Mr. Robin Scott. On the last day of FTTP projects were presented and Certificates were distributed.

INTRODUCTION

An announcement made by the Honorable Chief Minister in Tamil Nadu Legislative assembly under 110 Rule on 23.08.2016 regarding the FTTP for students of GCE and University departments of Anna University. The training is for B.E/ B.Tech. Students completing third year. Totally sixty students along with two faculty members were selected to undergo Foreign Technical Training Programme (FTTP) at Swinburne University of Technology, Melbourne, Australia. The program was started on 18 May 2018.

SCHEDULE

DAY1

On 21 May Swinburne has asked us to assemble at Hawthorn art Centre which is placed near Swinburne Hawthorn campus.

Program Timetable	Foreign Technical Training Program 2018 (Draft)				
	Monday	Tuesday	Wednesday	Thursday	Friday
Week 1	21/05/2018 ZELMAN ROOM (HAC)	22-May	23-May	24-May	25-May
9:00 - 9:30	Registration	Orientation Tour	Project Work Day + Review of Work	MCG + NSM Tour	Project Work Day + Review of Work
9:30 - 10:00	Welcome and Orientation Prof Ajay Kapoor / Prof John Webb				
10:00 - 10:30	Introduction to FTTP Prof Ajay Kapoor				
10:30 - 11:30	Australian History Prof John Webb				
11:30 - 12:00	LUNCH	Visit to Museum	Project Work Day + Review of Work	Project Work Day	Project Work Day + Review of Work
12:00 - 01:15	Report Writing Prof John Webb				
1:15 - 2:00	Future Smart Cities Dr. Hussein Dia Deputy Director Smart Cities Research Institute				
2:00 - 3:15	Allocation of Group Project Dr. Karan Kapoor				
Week 2	28-May	29-May	30-May	31-May	1-Jun
9:00 - 10:00	Ms Rebecca Skinner Director International Education AGSE 202	Project Work Day + Review of Work	(Networking Event) Mr Stephen Mansfield EN 715 9:30 - 11:30	Project Work Day + Review of Work	Group Assignment Presentations EN 715 9:00 - 1:00
10:00 - 11:00	Australia and India: Similarities and Difference AGSE 202		(Lunch at D'Tandoor)		LUNCH
11:00 - 12:00	11:30 - 12:30 Dr.Suresh Palanisamy		Certificate Presentation & Feedback Session EN 715 2:00 - 5:00		
12:00-1:00	LUNCH				
1:00-2:00	Tour Factory of the Future, Virtual Reality Lab, Electric Vehicle Lab Snedden				
2:00-3:00					
3:00-4:00					
4:00-5:00					

Alloted Classroom - Zelman Room; ; AGSE 202; EN 715; BA 403

INTRODUCTION TO FTTP

- There Introduction speech was given by Prof. Ajay Kapoor, Pro-Vice Chancellor of International Research Engagement Swinburne. He explained the traffic management system in Melbourne. And also asked us to follow the rules strictly. He told that we have to submit report on any of the topic given by Swinburne which can be used to implement Chennai (Chennai Smart City projects).

o AUSTRALIAN HISTORY

- Prof. John Mark Webb explained Australian history. He said the aboriginal Australians are migrated from Southeast Asia nearly 40,000 to 70,000 years ago. And also explained about Penal colonies of Britain. And the conflicts between the tribe people and British people. Australia's participation in World wars, Its current position in the world and its population details.



o REPORT WRITING

- In this session, Prof. John Mark Webb explained the formats of General & Technical report

o FUTURE SMART CITIES

- In this session we have learnt about City problems and alternative methods to attain sustainable future. Dr. Hussein Dia explained his research areas on Low carbon mobility, Disruptive mobility, Urban mobility, Smart mobility. We learnt about Intelligent Transportation System (ITS) and innovations in City development.

o PROJECT WORK

- Evening Dr. Karan Kapoor divided us into the groups.

- **DAY 2**

- **SWINBURNE CAMPUS TOUR**

- On 22 May we had a campus tour in Swinburne university of Technology.



- **SCIENCEWORKS**

- Afternoon we visited Scienceworks. At first we have gone to the Melbourne planetarium. We saw some documentary films on Blackholes, Planets positions in the sky and Stars arrangements & Identification in the Sky. Then at Scienceworks we had a chance to learn innovations & latest technologies in transportation.



- **VICTORIA PARLIAMENT**

- Evening we went to the Victoria State Parliament. We met honorable Finance Minister Robin Scott.

- **DAY 3**

- **PROJECT REVIEW**

- Project topic was chosen.

- **DAY 4**

- **MCG & NSM**



- **DAY 5**
 - **PROJECT work**
 - Data collection & we have went for Primary Observation of Project.
- **On 26 May**
 - **WESTGATE BRIDGE**



- **GREAT OCEAN ROAD**
 - **CAMPBELL NATIONAL PARK**
- **DAY 6**
 - **MEETING WITH MS.REBECCA SKINNER**
 - We had a Refreshment meeting with Ms. Rebecca Skinner Director of International Education ,Department of Economic Development at Monash University, Melbourne.
 - **AUSTRALIA & INDIA SIMILARITIES AND DIFFERENCES**

In this session we had a lecture on Electric Vehicle given by Dr. Suresh Palanisamy responsible for Transport Innovation Centre at Swinburne University of Technology. And also he explained the Similarities & differences of India and Australia
 - **SWINBURNE LABORATORIES**
 - On that day we explored Swinburne’s Smart Structures Laboratory, Factory of Future Virtual Reality Theatre. There we saw some 3-D models that are printed by Swinburne students. And learnt about MAST technology at Smart Structures Lab.



- **DAY 7**
 - **PROJECT WORK**
 - We have prepared Media Brief & Technical Report on our Project.
- **DAY 8**
 - **NETWORKING EVENT BY STEPHEN MANALLACK**
 - In this session Mr.Stephen Manallack explained about Job winning Techniques, Need of Communication Skills, Cultures of various countries and Expectations of Employers.
- **DAY 9**
 - **PROJECT WORK**
 - Final draft of report was prepared. And it was reviewed by Dr.Karan Kapoor.
- **DAY 10**
 - **GROUP ASSIGNMENT PRESENTATION & CERTIFICATE PRESENTATION**
 - We have presented the project at Swinburne. And the certificate was presented.



