



## UG-Fellowship / Summer Training Program (UG-FELLOWSHIP 2018)

ITU, CA, USA

### Agenda with project list supervisors



June 19: Students will be received and attend hands-on techno-business model course.

June 20: Project group and supervisors meet up

July 4: is a national holiday

July 27: Ceremony

Group nr.	Project title	Student Name	Supervisor Name	Duration
1.	<u>Advanced Digital Image Processing</u> ( <i>This will involve research and presentations</i> )	Deshapande Parth	John Kim/Pallavi Dixit	June 21 – July 27
	1) VR (Virtual reality) AR (Augmented reality)	Kubal Sanika		
	2) Lane departure warning system	Jain Sukrit		
2.	<u>Design of Embedded Systems</u> ( <i>This will involve research and presentations</i> ) <ul style="list-style-type: none"> <li>Controlling Robot Using Web Server</li> </ul>	Marpara Jafar	John Kim/Pallavi Dixit	June 21 – July 27
3.	<u>Short term projects</u>		John Kim/Pallavi Dixit	Short projects (1 - 2 weeks)
	1) Adaptive filter concept, simulation, and application (implementation in telephone)	Shah Praneet		June 21 – July 3
	2) Digital signal perspective of music world, song making and analyzing	Bapat Pranav		July 9 – July 20
	3) Image processing concepts and implementation. How it is implemented in autonomous cars.	Gawade Abhijeet		July 9 – July 16
	4) Selected IoT topics using Arduino micro-controllers	Deshpande Parth		June 25 – July 3
4.	<u>Bioelectronics Lab</u> ( <i>2 students working on the projects</i> )	Bagal Akshay	John Ladasky	June 20 – July 26
	1) Development of an optical heart rate monitor. <i>Skills required: mostly coding, perhaps also some minor hardware development.</i>			