## Program schedule for workshop on autopilot programming of UAVs (Day1) 14-2-2020

Date	Time	Agenda		
14-2-2020	9:30 AM-	Registration		
(Friday)	9:50 AM			
Tea break				
14-2-2020 (Friday)	10:00 AM- 1:30 PM	Introductory Lecture by Head of the Department, Aerospace Engineering and Applied Mechanics, IIEST, Shibpur Workshop basics by invited guest (IITK):		
Lunch break				
14-2-2020 (Friday)	2:30 PM- 3:30 PM	Invited Lecture by guest speaker, Professor Manoranjan Sinha, Professor and Head of the Department, Aerospace Engineering, IIT, Kharagpur on Autopilot, Flight Dynamics, Navigation and Control		
Tea break				
	3:45 PM- 5:30 PM	<ul> <li>Hands-on training by invited guest (IITK):</li> <li>Px4 environment and toolchain setup on Ubuntu</li> <li>Intro to px4 firmware and hardware and ground control station Px4 coding (writing a simple app)</li> <li>Px4 (How to use matlab with px4 firmware)</li> <li>Px4 (Advanced: fly a vehicle using px4/ardupilot)</li> </ul>		

## Note:

- 1. Participants should bring their own laptops with Ubuntu installed (or dual boot mode)
- 2. Knowledge on C++ is required for programming the autopilot

## Program schedule for workshop on autopilot programming of UAVs $\label{eq:Day2} \textbf{(Day2) 15-2-2020}$

Date	Time	Agenda
15-2-2020 (Saturday)	9:30 AM- 11:30 AM	Hands-on training (contd) by invited guest (IITK) Testing of autopilot
		Tea break
15-2-2020	11:40 AM-	Flight demonstration
(Saturday)	2:00 PM	Valedictory session