

Literature for Commercial Product

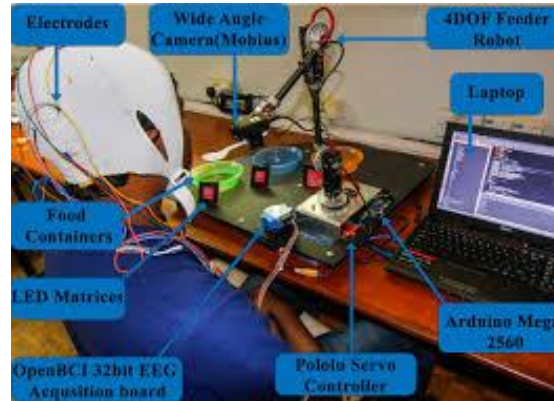
	Robot Name Features	Obi	Meal Buddy	Bestic	<i>Our Feeding Robot</i>
Human-Robot Interface	Eye Tracking				✓
	Push Buttons	✓	✓	✓	✓
	Joystick		✓	✓	
	Head Control			✓	
	Chin Movements				
How to reach to the user?	Teaching Phase	✓	✓	✓	
	Mouth Tracking				✓
Mechanical Design	4 - DOF		✓	✓	✓
	6 - DOF	✓			
Serving	Single Plate			✓	
	3 Plate		✓		✓
	4 Plate	✓			
Usability	Easy to Transport	✓			
	Cost	37,500 TL	21,000 TL	23,400 TL	4750 TL

Literature for Academic Studies



Tanata et.al. (2014)

- User interface
 - Eye-tracking
- End-effector movement
 - Just moves in one direction.
- Other Features
 - Uses ultrasonic motors.
 - Not harmful to sensitive devices.



Perera et.al. (2017)

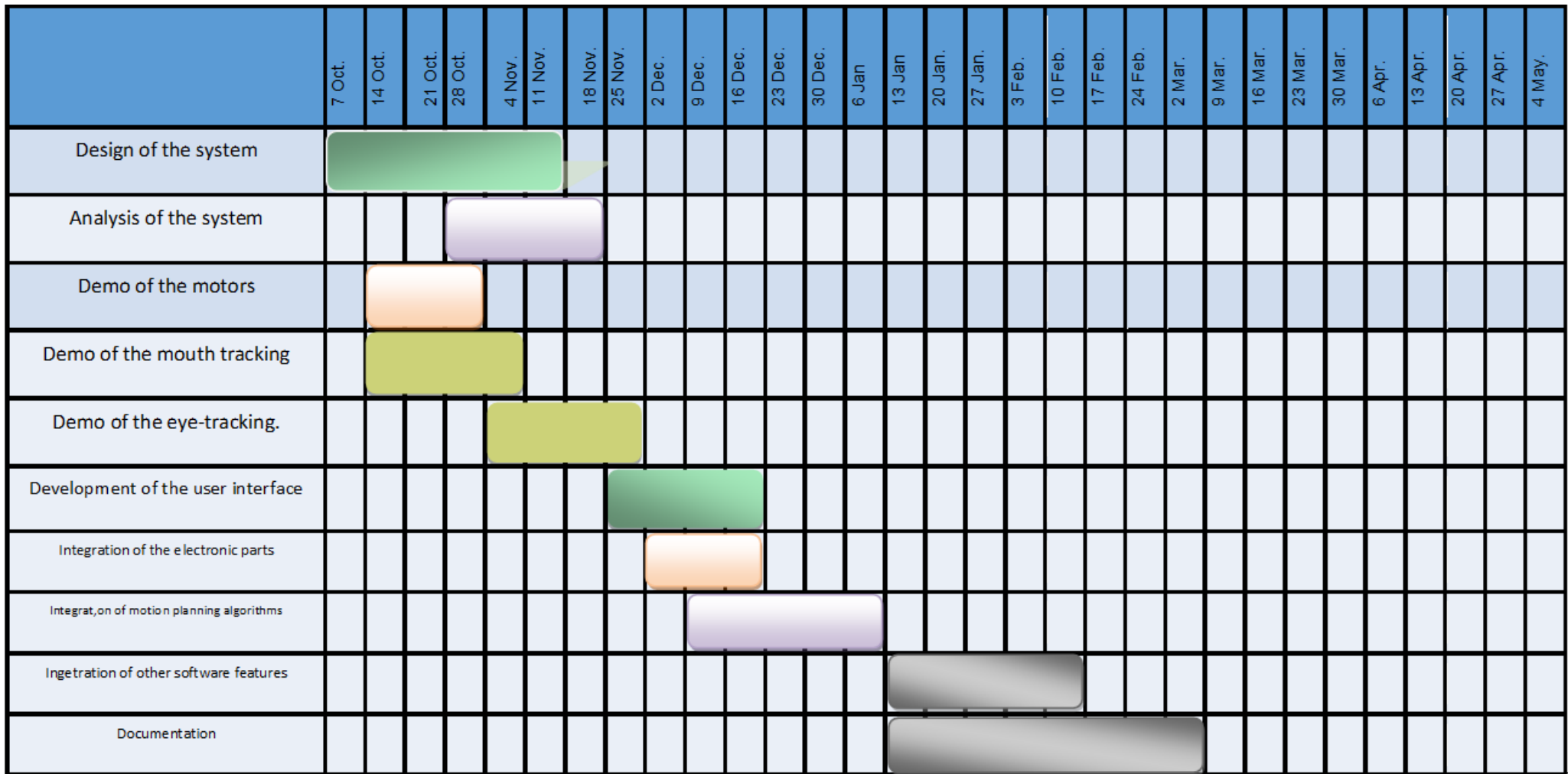
- User interface
 - EEG signals
- End-effector movement
 - Finds the mouth position of the user.
- Other Features
 - Detection of open/closed mouth.



Bhattacharjee et.al. (2019)

- User interface
 - Fully autonomous.
- End-effector movement
 - Finds the mouth position of the user.
- Other Features
 - Detection of open/closed mouth.
 - Uses fork as an end-effector.
 - Uses deep learning to find approach angle.

Working Plan of Senior Design Project





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