



**Bharath**  
INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

**Requisition Letter**

**Date: 22.08.2018**

From

The Head of the Department,  
Department of Automobile Engineering,  
Bharath Institute of Higher Education and Research,  
Selaiyur, Chennai - 73

To

The Dean Engineering,  
Bharath Institute of Higher Education and Research,  
Selaiyur, Chennai - 73


Respected Sir,

Sub: Requisition for conducting Value added course – reg.

School of Mechanical Engineering has planned to conduct Value added course on “Unmanned Vehicle Navigation” on 24/09/2018. In this regard we kindly request you to grant permission for the same.

Thanking You

  
HOD/AUTO

  
Dean Engineering





# BSR

INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
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## Department of Automobile Engineering

Date: 30.08.2018

### Circular

The of Department of Automobile Engineering, BIHER glad to conduct on four days value added program on “*Unmanned Vehicle Navigation*” from 24.09.2018 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

All reregistered students must attend all the classes without fail. The students who are completed the course successfully with good score will get the course completion certificate from the Institute/Department.

**Resource person: Dr. M. Senthil Kumar and Dr. D. Ravi**

Maximum no. of registration allowed – 60.

**\*First come first serve basis.**

Program coordinator

 30.08.18 · Mr. D. Mohankumar

 Mr. C. Jagadeesh Vikram





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## Department of Automobile Engineering

Five days Value added Program on "Unmanned Vehicle Navigation" 24<sup>th</sup> Sep to 28<sup>th</sup> Sep 2018

Date	Morning Session (9 AM to 12 PM)	Afternoon Session (1.30 PM to 3.30 PM)
24.09.2018 (Monday)	<b>Dr. M. Senthil Kumar</b> Introduction to Aerodynamics and computational fluid dynamics	<b>Dr. D. Ravi</b> Experimental aerodynamics and flow control for UAVs
25.09.2018 (Tuesday)	<b>Dr. D. Ravi</b> Multifunctional and microarchitectural lightweight structures for UAVs	
26.09.2018 (Wednesday)	<b>Dr. D. Ravi</b> Quadrotor dynamics and control	<b>Dr. M. Senthil Kumar</b> Fixed-wing dynamics and control
27.09.2018 (Thursday)	<b>Dr. M. Senthil Kumar</b> Navigation for UAVs, Path Planning for UAVs	<b>Dr. D. Ravi</b> Sensing and estimation for UAVs, Instrumentation and sensor payloads for UAVs, Computer vision for UAVs
28.09.2018 (Friday)	<b>Dr. D. Ravi</b> Remotely piloted UAV operation, performance and design aspects	

Program Coordinator:

Mr.D. Mohan Kumar

Mr.C. Jagadeesh Vikram,

E-Mail: [mohan.auto@bharathuniv.ac.in](mailto:mohan.auto@bharathuniv.ac.in)





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ACCREDITED WITH 'A' GRADE BY NAAC



**BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY**  
**SCHOOL OF MECHANICAL ENGINEERING**  
**DEPARTMENT OF AUTOMOBILE ENGINEERING**  
**CONDUCTING VALUE ADDED COURSE ON**  
**UNMANNED VEHICLE NAVIGATION**

**Date**

24.09.2018

**Resource Person**

Dr. M. Senthil Kumar  
&  
Dr. D. Ravi

Program Coordinator

Mr. D. Mohan Kumar., AP / Automobile  
Mr. C. Jagadeesh Vikram, AP / Automobile



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## FEEDBACK FORM

- ❖ As part of a continuing improvement process, our college appreciates suggestions and inputs regarding the institution. We request you to sincerely answer these questions under assurance of complete confidentiality. Your interest in making our institution better is greatly appreciated.

Name of Department : Mechatronics  
 Date : 24/09/2018  
 Event / Speaker Name : Unmanned Vehicle Navigation

- Please rate the session on the scale indicated. Your comments are most appreciated.

S.NO	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	<b>The Topic</b>					
	The choice of topic was relevant to me					✓
2.	<b>The Lecturer / Speaker</b>					
	Self-confidence				✓	
	Communication skills			✓		
	Doubts/ queries were answered satisfactorily					✓
3.	<b>The Content (Topic)</b>					
	Refers to latest developments in the field				✓	
	Career oriented	✓				
	Innovative learning, if any			✓		

- Overall, how would you rate this Guest Lecture / Workshop / Seminar / Event/Value added course?

1. Below Average	2. Average	3. Good	4. Excellent	5. Outstanding
			✓	

- Comments (If any):

Good for this knowledge.



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## FEEDBACK FORM

❖ As part of a continuing improvement process, our college appreciates suggestions and inputs regarding the institution. We request you to sincerely answer these questions under assurance of complete confidentiality. Your interest in making our institution better is greatly appreciated.

Name of Department : Mechanical Engineering

Date : 24/09/2018

Event / Speaker Name : Unmanned vehical navigation

- Please rate the session on the scale indicated. Your comments are most appreciated.

S.NO	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	<b>The Topic</b>					
	The choice of topic was relevant to me			✓		
2.	<b>The Lecturer / Speaker</b>					
	Self-confidence			✓		
	Communication skills				✓	
	Doubts/ queries were answered satisfactorily				✓	
3.	<b>The Content (Topic)</b>					
	Refers to latest developments in the field					✓
	Career oriented				✓	
	Innovative learning, if any				✓	

- Overall, how would you rate this Guest Lecture / Workshop / Seminar / Event/Value added course?

1. Below Average	2. Average	3. Good	4. Excellent	5. Outstanding
		✓		

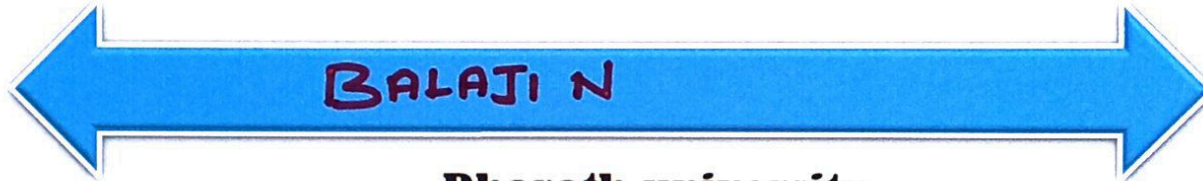
- Comments (If any):

Outstanding



# CERTIFICATE OF APPRECIATION

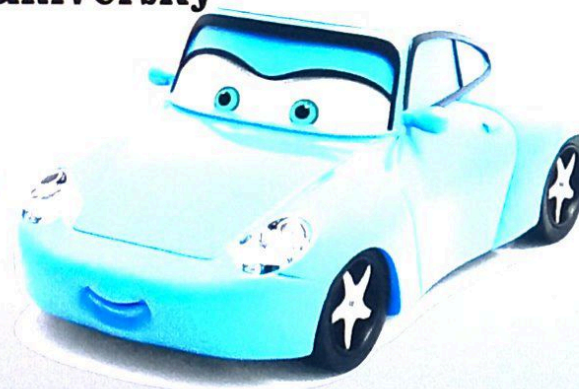
This certificate is awarded to :



**Bharath university**

**Programme :** UNMANNED VEHICLE NAVIGATION

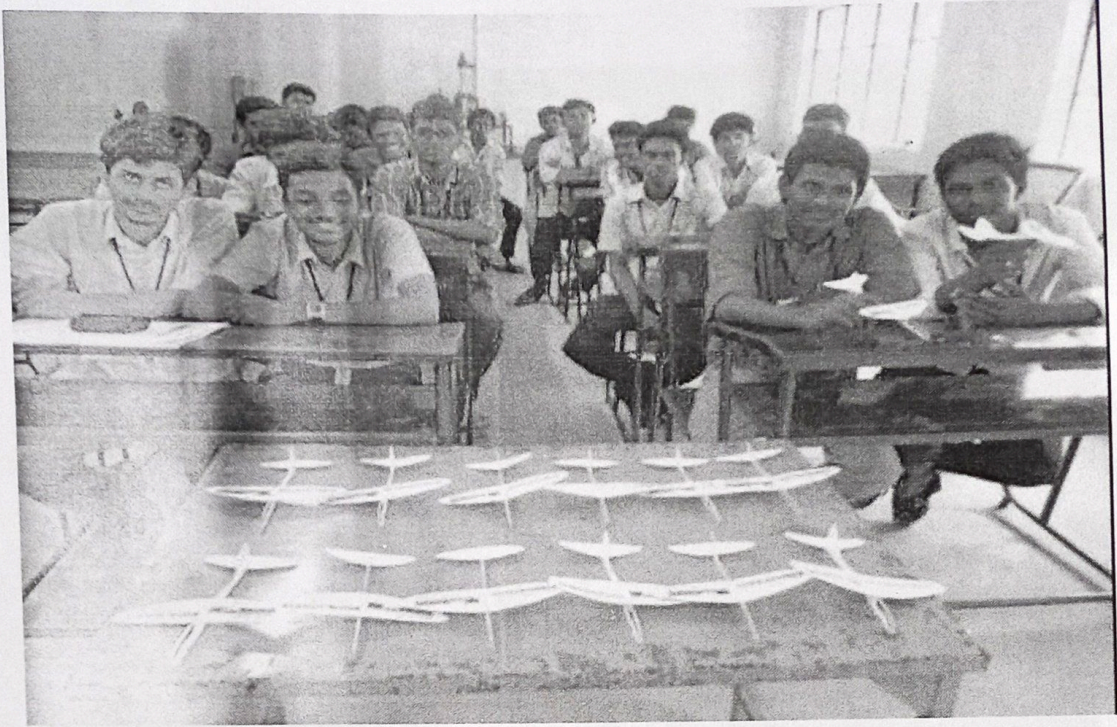
**Department :** AUTOMOBILE ENGINEERING



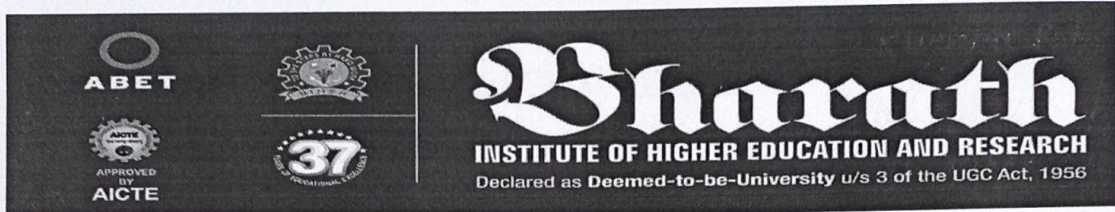
*[Signature]*  
Co-ordinator

*[Signature]*  
HOD

*[Signature]*  
Dean  
Mechanical Engineering







**DEPARTMENT OF AUTOMOBILE ENGINEERING**

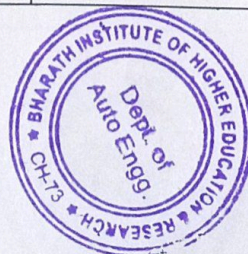
**STUDENTS NAME LIST**

**COURSE: Unmanned Vehicle Navigation**

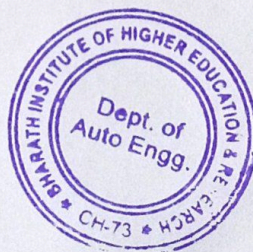
**DATE: 24.09.2018**

**ACADEMIC YEAR: 2018-2019**

S.No	REG.NO	STUDENT NAME	DEPARTMENT	SIGNATURE
1	U15AM002	ABISHEK RAJAGOPAL	AUTOMOBILE	Raja Rajagopal.
2	U15AM004	ASWIN S	AUTOMOBILE	Ashwin
3	U15AM005	BHARANIDHARAN C	AUTOMOBILE	Bharanidharan
4	U15AM006	GIRIDAAR A	AUTOMOBILE	Giridharan
5	U15AM007	EDULA VISHNU GOVARDHAN REDDY	AUTOMOBILE	Govardhan Reddy.
6	U16AM007	SUNDARESWARAN B	AUTOMOBILE	SUNDARESWARAN.
7	U16AM008	PALAPANDALA PRUDHVI	AUTOMOBILE	Palapandala
8	U16AM009	THAMIM ANSARI K	AUTOMOBILE	Thamim
9	U16AM010	JAI KUMAR VERMA	AUTOMOBILE	Jai Kumar
10	U16AM012	MOHAMED IMTHIYAZ M	AUTOMOBILE	Mohamed.
11	U16AM014	KARMUGILAN V	AUTOMOBILE	Karmugilan
12	U17AM006	RANJITH R	AUTOMOBILE	Ranjith.
13	U17AM007	YOGESHWARAN K	AUTOMOBILE	Yogeshwaran
14	U17AM009	KARTHICK Y	AUTOMOBILE	Karthick.
15	U17AM011	GUTTULA DEEPAK	AUTOMOBILE	Deepak.



16	U17AM012	ABINASH N	AUTOMOBILE	Amudh
17	U17AM013	SURAKANI PAVAN SAI.	AUTOMOBILE	Pavankai
18	U15MT002	BALAJI N	MECHATRONICS	N. Balaji
19	U15MT003	INAYAT ULLA RABBANI	MECHATRONICS	Veel Binod
20	U15MT004	INAYATHULLA A	MECHATRONICS	Inayathulla
21	U15MT005	KARTHIGAYAN P	MECHATRONICS	Karthigan
22	U16MT011	MELVINE ROHAN R	MECHATRONICS	B. Swathi
23	U16MT014	SARATHKUMAR D	MECHATRONICS	Sarathkumar
24	U16MT015	SOMENDRAN A	MECHATRONICS	Somendran
25	U16MT017	Y MOHAMMED SHAHID SHARIFF	MECHATRONICS	Shahid
26	U16MT018	RATHISH KRISHNAN R	MECHATRONICS	R. Krishnan
27	U17MT061	MOHAMMED ABBAS A	MECHATRONICS	Mohammed Akh
28	U17MT501	ADITHIYA M	MECHATRONICS	Adithiya
29	U17MT502	MUTHU VIJAY RAJA V	MECHATRONICS	Muthu Raja
30	U17MT503	DISHAN ASIR RAJ R	MECHATRONICS	Dishan Raj
31	U15ME034	AVULA	MECHANICAL	Avula
32	U15ME035	BADAGALA	MECHANICAL	Badagala
33	U15ME036	BALAJI	MECHANICAL	Balaji
34	U15ME039	BASAVA GANESH REDDY	MECHANICAL	B. Ganesh Reddy
35	U15ME041	BHARATH KUMAR	MECHANICAL	Bharath Kumar
36	U16ME041	SUVODEEP	MECHANICAL	Suvodeep
37	U16ME049	MOHAMED	MECHANICAL	Mohamed



		ABDULLAH		
38	U16ME055	DEEPAK	MECHANICAL	Deepak
39	U16ME056	YOGESH	MECHANICAL	Yogesh
40	U16ME059	JEFRON	MECHANICAL	Jefron
41	U16ME062	DANIEL	MECHANICAL	Daniel
42	U16ME066	VASANTH KUMAR	MECHANICAL	Vasanth Kumar
43	U16ME078	KAMASANI	MECHANICAL	Kamasani
44	U17ME263	KAKARLA TEJARAM MAHESH CHOWDARY	MECHANICAL	Mahesh Chowdary
45	U17ME266	KAMMA VENKAT NAVEEN KUMAR	MECHANICAL	Kamma Venkat Naveen
46	U17ME268	ALLU	MECHANICAL	Allu
47	U17ME275	KHALID	MECHANICAL	Khalid
48	U17ME277	RANJITH	MECHANICAL	Ranjith
49	U17ME282	KALAIVANAN	MECHANICAL	Kalaivanan
50	U17ME284	NAZIR HUSSAIN MAZUMDER	MECHANICAL	Nazir Hussain Mazumder
51	U17ME287	ROLLAPATI AMARNATH REDDY	MECHANICAL	Rollapati
52	U17ME290	EZHIL EDINBURGH KOMAGAN	MECHANICAL	Ezhil Edinburgh Komagan

No of Students Registered: 52

No of Students present: 52

