



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

Date: 18.06.2020

Department of Automobile Engineering
Circular

The Department of Automobile Engineering, BIHER glad to conduct on six days value added program on "***Unmanned Vehicle Navigation***" from 02.07.2020 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

Resource persons:

Dr.P.Naveenchandran

Prof. & Head

Dept. of Auto. Engg.

BIHER

Mr.C.Thamotharan

Associate Professor,

Dept. of Auto. Engg.

BIHER


Program Coordinator:

Mr. E. Raja

Asst. Professor

rajaseer@space.com


(HOD-Auto)



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Department of Automobile Engineering

Course on “Unmanned Vehicle Navigation”

OBJECTIVES:

- To introduce the parts and functions of UAV
- To explain the concepts of Aerodynamics, Propulsion & Structures of Model
- To enable the students to understand the working principle and components of UAV
- To Demonstrate the design process of UAV and create confidence in exploring

[DAY: 1]

MODULE 1 Introduction to Aerial Robotics (5 Hrs)

[DAY: 2]

MODULE 2 Geometry and Mechanics of UAV (5 Hrs)

[DAY: 3]

MODULE 3 Pay Load for UAV (5 Hrs)

[DAY: 4]

MODULE 4 Launching systems of UAV (5 Hrs)

[DAY: 5]

MODULE 5: Navigation and Guidance of UAV (5 Hrs)

[DAY: 6]

Practical Session for using Unmanned Vehicle Models (5 Hrs)



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Department of Automobile Engineering
Value Added (online) Course – Unmanned Vehicle Model
(02.07.2020 to 09.07.2020)

PARTICIPANTS LIST

S.NO	REG.NO	NAME	DEPARTMENT
1	U14AM001	ABDUL KHADAR BASHA M	Automobile
2	U14AM002	ABHISHEK SINGH KUSHWAHA	Automobile
3	U14AM006	ANDREW AGGASI.C.	Automobile
4	U14AM007	ANTHONY RAJ.J	Automobile
5	U14AM008	AARAVIND REDDY.M	Automobile
6	U14AM010	CHADUNUPALLI SRIKANTH	Automobile
7	U14AM012	DEVA KUMAR.R	Automobile
8	U14AM015	GULSHAN KUMAR	Automobile
9	U14AM016	HAARIS SATHEESH	Automobile
10	U14AM017	HARIOM PARMAR	Automobile
11	U14AM020	KANUGONDA HARI KIRAN REDDY	Automobile
12	U14AM023	LENIN .R	Automobile
13	U14AM025	MOHAMED ANSAR.S	Automobile
14	U14AM027	MUTHU MANIKKAMOORITHY.R	Automobile
15	U14AM028	NAVEEN KUMAR .V	Automobile
16	U14AM033	PRITHIVIRAJ K.	Automobile
17	U14AM035	RAGHAVENDRAN . S.D	Automobile
18	U14AM036	RAKTIM PAL	Automobile
19	U14AM038	REUBAN DAVID.D	Automobile
20	U14AM042	SIBBALA NIKHIL RAM	Automobile



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PARTICIPANTS LIST

S.NO	REG.NO	NAME	DEPARTMENT
21	U14ME005	ABHISHEK KUMAR	Mechanical
22	U14ME009	ADDURI PAVAN KUMAR	Mechanical
23	U14ME014	AJAY KUMAR SHARMA	Mechanical
24	U14ME018	AJITHKUMAR.P	Mechanical
25	U14ME019	AKHLAK ANSARI	Mechanical
26	U14ME022	ALLWYN EPHRAIM.S.	Mechanical
27	U14ME026	AMIT KUMAR PANDEY	Mechanical
28	U14ME029	ANAND.U	Mechanical
29	U14ME031	ANGADI DINESH KUMAR	Mechanical
30	U14ME032	AGNEL WILFRED .A	Mechanical
31	U14ME034	ANIL KUMAR	Mechanical
32	U14ME037	ANUJ KUMAR	Mechanical
33	U14ME040	ARAVIND.V	Mechanical
34	U14ME042	ARAVINDHAN.B	Mechanical
35	U14ME043	ARSHAD JAMAL	Mechanical
36	U14ME044	ARUN .H	Mechanical
37	U14ME046	ARUN KUMAR .D	Mechanical
38	U14ME048	MD ASGAR ANSARI	Mechanical



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PARTICIPANTS LIST

S.NO	REG.NO	NAME	DEPARTMENT
39	U14MT004	ARULSELVAN.A	Mechatronics
40	U14MT012	NIVIN DEVASSY	Mechatronics
41	U14MT021	SARAVANAN.P	Mechatronics
42	U14MT024	VANNIYAR MANIKANDAN PERUMAL	Mechatronics
43	U14MT026	VIGNESH.R	Mechatronics
44	U14MT701	YUVARAJ.S	Mechatronics
45	U14MT707	PATIL TEJAS SUNIL	Mechatronics
46	U14MT710	CHANDRAN.R	Mechatronics



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BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

No.173, Agharam Road, Selaiyur, Chennai - 600 073.

Department of Automobile Engineering

Participation Certificate

This is to certify that

DEVAKUMAR R (U14AM012)

has attended the value added program on "Unmanned Vehicle Navigation" organized by Department of Automobile Engineering, Bharath Institute of Higher Education and Research, Chennai, on 02-07-2020 to 09-07-2020

Mr.E.Raja
Co-ordinator

Dr.P.Naveenchandran
Prof. & Head



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No.173, Agharam Road, Selaiyur, Chennai - 600 073.

Department of Automobile Engineering

Participation Certificate

This is to certify that

AJAY KUMAR SHARMA (U14ME014)

has attended the value added program on "Unmanned Vehicle Navigation" organized by Department of Automobile Engineering, Bharath Institute of Higher Education and Research, Chennai, on 02-07-2020 to 09-07-2020

Mr.E.Raja
Co-ordinator

Dr.P.Naveenchandran
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Department of Automobile Engineering

Participation Certificate

This is to certify that

SARAVANAN P (U14MT021)

has attended the value added program on "Unmanned Vehicle Navigation" organized by Department of Automobile Engineering, Bharath Institute of Higher Education and Research, Chennai, on 02-07-2020 to 09-07-2020

Mr.E.Raja
Co-ordinator

Dr.P.Naveenchandran
Prof. & Head



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Bharath Institute of Higher Education and Research, Chennai-600073

STUDENT FEEDBACK FORM FOR VALUE ADDED COURSES

School : School of Mechanical Engineering
Department : Automobile Engineering
Name /code of the value added course offered: Unmanned Vehicle Navigation
Semester : III Sem.
Register Number : U14AM007
Staff Coordinator : Mr. E. Raja
Staff Handling : Dr. P. Navan Chandran

STUDENT FEEDBACK

Dear Student,

You are required to give your feedback on the following aspects. Please tick in the respective column.

S.No	Criteria	Rating				
		Excellent	Very good	Good	Fair	Satisfactory
1	Course content	✓				
2	Skill development					
3	Motivation		✓			
4	Regularity and punctuality of teacher		✓			
5	Coverage of syllabus		✓			
6	Interaction	✓				
7	Individual attention	✓				
8	Outcome		✓			
9	Other suggestions			— nil —		



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STUDENT FEEDBACK FORM FOR VALUE ADDED COURSES

School : Mechanical Engineering
Department : Mechanical
Name /code of the value added course offered: Unmanned vehicle navigation.
Semester :
Register Number : U14ME022
Staff Coordinator : M.V. E. RAJA
Staff Handling : Dr. P. Nowreen Banu, S. Thamaras

STUDENT FEEDBACK

Dear Student,

You are required to give your feedback on the following aspects. Please tick in the respective column.

S.No	Criteria	Rating				
		Excellent	Very good	Good	Fair	Satisfactory
1	Course content	✓				
2	Skill development	✓	✓			
3	Motivation	✓	✓			
4	Regularity and punctuality of teacher	✓				
5	Coverage of syllabus	✓				
6	Interaction	✓				
7	Individual attention		✓			
8	Outcome		✓			
9	Other suggestions	✓	✓	✓	✓	✓



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STUDENT FEEDBACK FORM FOR VALUE ADDED COURSES

School : Mechanical engg
Department : Mechanics

Name /code of the value added course offered: un named vehicle navigation.
Semester :

Register Number : U14MT024

Staff Coordinator : E. Roy

Staff Handling : Dr-P. Naveen Chandram

STUDENT FEEDBACK

Dear Student,

You are required to give your feedback on the following aspects. Please tick in the respective column.

S.No	Criteria	Rating				
		Excellent	Very good	Good	Fair	Satisfactory
1	Course content		/			
2	Skill development			/		
3	Motivation		/	X		
4	Regularity and punctuality of teacher	/				
5	Coverage of syllabus		/			
6	Interaction			/		
7	Individual attention					
8	Outcome					
9	Other suggestions					