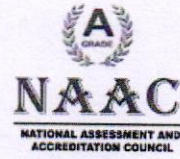




# Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed-to-be-University under section 3 of UGC Act 1956)  
BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF AERONAUTICAL ENGINEERING



Dr. M. Sundararaj M.E, Ph.D  
Head

13/09/2017

Ref No:Cir/Aero/2017/037

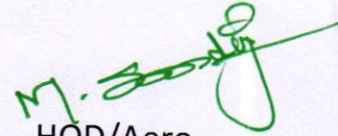
## CIRCULAR

This is to intimate the students that Value Added Program titled "Certification in Animation" is scheduled to be conducted from 25.09.2017. The course will be for a duration of 30 hours and will be conducted during weekends. Further Details can contact the Course Coordinator Mr.A.Syedhaleem. Assistant Professor Department of aeronautical Engineering.

### Copy to:

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3. Copy to Pro-VC
4. Copy to Office



  
HOD/Aero

Dr. M. SUNDARARAJ, M.E., Ph.D.,  
HOD  
Department of Aeronautical Engineering  
Bharath Institute of Higher Education & Research  
(Declared as Deemed to be University U/S 3 of UGC Act, 1956)  
Selaiyur, Chennai-600 073. INDIA

No.173, Agharam Road, Selaiyur, Chennai-600073.

+044-22290125 / +91- 9840844425 ✉ hodaero@bharathuniv.ac.in 🌐 www.bharathuniv.ac.in



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as deemed to be university under section 3 of UGC Act 1956, vide notification No.F.9-52000-U.3)

## Department of Aeronautical Engineering

Value Added Course

Certification in Animation

List of students Registered on 25.09.2017

SNO	Reg NO	Name of the Student
1	U15AE001	NAGANANDAN A
2	U15AE004	ARAVINDAN A
3	U15AE005	ARUP RATAN PARAMANIK
4	U15AE007	BOJJA MANOJ KUMAR
5	U15AE008	CHILAKALAPUDI YASHWANTH TEJA
6	U15AE009	CHITTOJI THANMAYI
7	U15AE010	DASARI RUFUS
8	U15AE013	DIVYA A
9	U15AE014	EDWIN PRAKASH F
10	U15AE016	GADDAM MADHUSUDHAN REDDY
11	U15AE018	VASUDEVA REDDY I
12	U15AE019	ISHANT DUBEY
13	U15AE020	KARRI ASHOK KUMAR REDDY
14	U15AE022	KM JUHI GUPTA
15	U15AE023	KOLA JOHN HANNA JAYASHREE
16	U15AE024	KUSUNURI JYOTHI SAI PAVAN
17	U15AE026	MD MUDEE ALAM
18	U15AE027	MERLIN TERESA P
19	U15AE028	MOPOORI BHARATH KUMAR
20	U15AE030	NINGKHANRIN N G
21	U15AE031	PARASA MAHENDRA
22	U15AE033	PERCIYALA
23	U15AE034	PULUSU PARDHU SREE
24	U15AE036	ROSELIN L
25	U15AE038	KARISHMA CHANDINI S
26	U15AE040	SANGEETHA N
27	U15AE041	SANJAY V
28	U14AE009	ANNAPAREDDY NAGA SAI SRINIVAS
29	U14AE010	M. ARUN KUMAR
30	U14AE017	BHARATH KUMAR.P
31	U14AE018	BONALA KAMSALA RAGHAVENDRA
32	U14AE025	GODDU RAMESH
33	U14AE034	JOHNMETHUSALA E
34	U14AE042	MOHAMMAD SADEEQ SHAH
35	U14AE050	NARHARI RAMEKAR
36	U14AE051	NAVEEN KUMAR P
37	U14AE059	PRAGATHY.D

*M. Sundararaj*  
Dr. M. SUNDARARAJ, M.E., Ph.D.,  
HOD

Department of Aeronautical Engineering  
Bharath Institute of Higher Education & Research  
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Selaiyur, Chennai-600 073. INDIA

38	U14AE060	PRATHAP L
39	U14AE068	SATHIYA SEELAN.E
40	U14AE070	SAYYAD MAHABOOB BASHA
41	U14AE079	SUNITHA PURKAIT
42	U14AE081	TANDRA ARJUN KUMAR
43	U14AE088	VISHWATEJA KUMAR REDDY.V
44	U14AE090	YASWANTH BAIDUBALLI
45	U14AE095	KARANAM SWAPNA SAI CHOWDARY.K
46	U14CS005	ABDUR RASEED
47	U14CS016	ANNILKRISHNAN .K
48	U14CS024	ATUL ANAND
49	U14CS062	JERIPOTHULA SURESH GOUD
50	U14CS080	KOVURI BALASUBHAKAR REDDY
51	U14CS089	MADIYAL ANJAY
52	U14MT001	ABHISHEK .S
53	U14MT014	PREMKUMAR.V
54	U14MT503	GOWTHAMAN.S
55	U14AM011	Choudhry Abrar Ahmed Hazrat Ali
56	U14AM022	Karthick.V
57	U14EC006	ADDUGALA RAMA DEVI
58	U14EC023	CHALUVADI DIVYA BHARATHI
59	U14EC038	GADDI TEJA RAM
60	U14EC045	GULAM AHMED REJA
61	U14EC057	KALUMURI VIJAYA KUMAR REDDY

Dr. M. SUNDARARAJ, M.E., Ph.D.,  
HOD

Department of Aeronautical Engineering  
Bharath Institute of Higher Education & Research  
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**BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY**  
**DEPARTMENT OF AERONAUTICAL ENGINEERING**



## Value Added Course

### Certification in Animation

#### Objective :

The objective of this course is to teach the students very fundamentals of Animation. They will get to learn all the principles which will help them to learn and understand how actual animation works. If they do not these fundamentals, they will be unable to achieve realistic animation. Learning principles also help them in many other fields of the animation.

Course Co-ordinator: Mr.A.Syedhaleem

#### COURSE LAYOUT

SNO	Date	Course Content	Duration	Instructor
1	25.09.2017	<b>Foundation Art</b> Introduction to art, Purposes of Art, Art and morality, Art and Religion. Indian art concept of art and classification of art. Visual Elements	3 Hour	Mr.A.Syedhaleem Assistant Professor, Department of Aeronautical Engineering- BIHER
2	30.9.2017 (FN)	<b>Classical Animation</b> Design & animation suite Concept of story boarding concept of basic animation Working with audio Graphics & animation with flash Drawing & animation with Toon Boom Studio Web weaver and Designing Type of animation Create motion tween	3 Hour	Mr.C.Yuvaraj Managing Director , Equipment Technologies-Chennai
3	30.9.2017 (AN)	<b>Digital Art</b> Fundamental of computer concept of digital art multimedia & internet Creating illustrations Overview of graphics systems Properties of circles & ellipse, pixel addressing	3 Hour	Mr.C.Yuvaraj Managing Director , Equipment Technologies-Chennai
4	07.10.2017 (FN)	<b>Media &amp; Cyber Laws</b> Nature and Principle of Constitution Of India Constitutional Restrictions on Media Acts Rights & Liabilities Information Technology Acts	3 Hour	Mr.C.Yuvaraj Managing Director , Equipment Technologies-Chennai

5	07.10.2017 (AN)	<b>Business Communication</b> Concepts of Communication Communication Process Barriers to Communication Written Communication Correspondence, Notices, Research Paper. Oral Communication Non Verbal Communication – Personal Appearance Postures Gestures, Facial Expressions Eye Contact	3 Hour	Mr.C.Yuvaraj Managing Director , Equipment Technologies-Chennai
6	14.10.2017 (FN)	<b>3D Design &amp; Modelling</b> The Maya user interface Viewing the Maya 3D scene Polygonal Modelling Subdivision Surfaces NURBS Modelling	3 Hour	Mr.C.Yuvaraj Managing Director , Equipment Technologies-Chennai
7	14.10.2017 (AN)	Animation Techniques Why we need Animation Creating Animation in Flash 3D Animation & its Concepts Motion Caption Concept Development	2 Hour	Mr.A.Syedhaleem Assistant Professor, Department of Aeronautical Engineering- BIHER
8	21.10.2017 (FN)	<b>Web Technology</b> New media in Mass communication Website planning and designing Front Page Concept planning and writing for web Case studies	2 Hour	Mr.A.Syedhaleem Assistant Professor, Department of Aeronautical Engineering- BIHER
9	21.10.2017 (AN)	<b>3D Animation</b> Key frames and the Graph Editor Path animation Inverse kinematics Smooth skinning Polygon Texturing Rendering Shading surfaces Rigid bodies and constraints Expressions	2 Hour	Mr.C.Yuvaraj Managing Director , Equipment Technologies-Chennai
10	28.10.2017 (FN)	<b>Visual Effects(VFX) Design</b> Visual Effects Fluid Effects Designing Paint Effects Designing Special Effects Visual Effects Tool and advanced functions	2 Hour	Mr.A.Syedhaleem Assistant Professor, Department of Aeronautical Engineering- BIHER
11	28.10.2017 (AN)	Video & Sound Editing Introduction to digital editing Introduction to Editing Software The Nature of Sound Music recordings Voice over and sound bytes	2 Hour	Mr.C.Yuvaraj Managing Director , Equipment Technologies-Chennai
12	29.10.2017 (FN)	<b>Visual Perception</b> Need for and the Importance of Human and Visual Perception Communication as a process Fundamentals of Design Principles of Visual and other Sensory Perceptions Basics of Graphic Design	2 Hour	Mr.C.Yuvaraj Managing Director , Equipment Technologies-Chennai



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Department of Aeronautical Engineering

## Certificate

OF PARTICIPATION

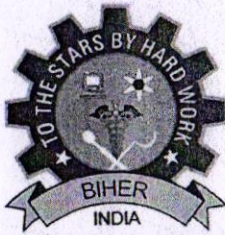
**THIS IS CERTIFY THAT**

**ABDUR RASEED**  
**U14CS005**

has undertaken 30 Hours course on "**Certification in Animation**"  
Organized by Department of Aeronautical Engineering, BIHER from 25.09.2017  
to 29.10.2017.

Convenor

Dean/Aero



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(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

Department of Aeronautical Engineering

## *Certificate* OF PARTICIPATION

**THIS IS CERTIFY THAT**

**PRAGATHY.D  
U14AE059**

has undertaken 30 Hours course on "**Certification in Animation**"  
Organized by Department of Aeronautical Engineering, BIHER from 25.09.2017  
to 29.10.2017.

Convenor

Dean/Aero



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BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF AERONAUTICAL ENGINEERING

Department of Aeronautical Engineering  
Value Added Course

Certification in Animation



Our Instructor" Mr.C.Yuvaraj Managing Director , Equipment Technologies" is Handling the session to our registered participants on Business Communications



# Participant Feedback Form

(On course completion)

Date 29.10.2017

Course Certification in Animation

Student Name (optional) Rhant Dubey

Student ID (optional) U15AED19

**a) Helpful and knowledgeable staff:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**b) Staff friendliness:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**c) Ease of registration:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**2. Is there anything we can improve with our registration process?**

.....

## B. The Training Facility

**3. How satisfied were you with the training facility on the follow**

**a) Cleanliness of facility:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**b) Comfort of training room:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**4. Is there anything we can improve with any of the above?**

..... Need more training sessions .....

# Participant Feedback Form

(On course completion)

Date ..... 29.10.2017 .....

Course ..... Certification in Animation .....

Student Name (optional) ..... Divyanshu .....

Student ID (optional) ..... U15AE013 .....

**a) Helpful and knowledgeable staff:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**b) Staff friendliness:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**c) Ease of registration:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

2. Is there anything we can improve with our registration process?

.....

## B. The Training Facility

3. How satisfied were you with the training facility on the follow

**a) Cleanliness of facility:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**b) Comfort of training room:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

4. Is there anything we can improve with any of the above?

.....



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BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF AERONAUTICAL ENGINEERING



Dr. M. Sundararaj M.E, Ph.D  
Head

01/03/2018

Ref No: Cir/Aero/2018/029

## CIRCULAR

This is to intimate the students that Value Added Program titled "Course on Cosmetic Science" is scheduled to be conducted from 09.03.2018 . The course will be for a duration of 30 hours and will be conducted during weekends. Further Details can contact the Course Coordinator Mr.S.R.Vimal Raj. Assistant Professor Department of aeronautical Engineering.

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*M. Sundararaj*  
HOD/Aero

Dr. M. SUNDARARAJ, M.E., Ph.D.,  
HOD  
Department of Aeronautical Engineering  
Bharath Institute of Higher Education & Research  
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# Bharath

## INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as deemed to be university under section 3 of UGC Act 1956, vide notification No.F.9-52000-U.3)

### Department of Aeronautical Engineering

#### Value Added Course

#### Course on Cosmetic Science

#### List of students Registered on 09.03.2018

SNO	Reg NO	Name of the Student
1	U14AE001	ABDULLAH KHAN
2	U14AE003	ADARSH B R
3	U14AE007	ANANDH.C
4	U14AE008	ANBU KUMAR.P
5	U14AE013	K BALAJI
6	U14AE014	BALASUBRAMANIAN PL
7	U14AE016	BATTULA SARAN KUMAR
8	U14AE023	FULWADIYA SHASHI KUMAR
9	U14AE024	GANGIPELLI VINEETH
10	U14AE027	GUMMADI SANTOSH KUMAR
11	U14AE031	JAVID BASHA.G
12	U14AE040	MANNAVA NAGA DATHA KOUSHIK
13	U14AE041	MARIAM AFRAH.A
14	U14AE044	M UDAY TEJA
15	U14AE047	NAKKALA KARUNAKAR
16	U14AE048	NADAR TAMILARASAN SELVAN
17	U14CS003	ABDUL RAHIM.M
18	U14CS007	ABHISHEK MANDURI
19	U14CS009	AKASH CHANDRA AMBASTHA
20	U14CS020	ARAVIND RAJ.M
21	U14CS055	GOTTIPATI KARTHIK
22	U14CS071	KARTIK YADAV
23	U14CS102	MOHAMMED AABID
24	U14CS107	MUGUNTHANATHAN.G
25	U14CS108	MURALI .S
26	U14MT004	ARULSELVAN.A
27	U14MT010	HARISH .K
28	U14EC018	BANKIM CHANDRA BHARTI
29	U14EC024	CHANDRALEKA.K
30	U14EC062	KATIPELLI JEEVAN REDDY

Dr. M. SUNDARARAJ, M.E., Ph.D.,  
HOD

Department of Aeronautical Engineering  
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### Department of Aeronautical Engineering

Value Added Course

Course on Cosmetic Science

#### Objective :

This course will emphasize current trends in the selection of cosmetic ingredients. The chemistry and technology of cosmetic raw materials will be related to their behavioural properties as utilized in the construction of stable functional systems. In this way, it is intended to generate a better understanding of the contributions of ingredients to the performance of finished product formulations. Emphasis will be placed on recognizing and dealing with problem areas associated with the use of various ingredients.

Course Co-ordinator: Mr.S.R.Vimal Raj

#### COURSE LAYOUT

SNO	Date	Course Content	Duration	Instructor
1	09.03.2018	Definition and Classification of Cosmetic	1 Hour	Mr.Pugalanthi Assistant Manager Clarion Cosmetics Guindy Chennai
2	10.03.2018 (FN)	Method of sampling, Indian Standard specification laid down for sampling and testing of various cosmetics in finished form by the bureau of Indian standards.	3 Hour	Mr.Ramachandran Sales and Marketing Head Clarion Cosmetics Guindy Chennai
3	10.03.2018 (AN)	Factors affecting stability of a formulation	3 Hour	Mr.Pugalanthi Assistant Manager Clarion Cosmetics Guindy Chennai
4	17.03.2018 (FN)	Determination of Physical and chemical constants such as extractive values, moisture content, alcohol content, volatile oil content, ash values, bitterness values, foreign matters, and physical constants applicable to the lipid containing drugs.	3 Hour	Mr.Ramachandran Sales and Marketing Head Clarion Cosmetics Guindy Chennai
5	17.03.2018 (AN)	Microbial counts, bioburden and Pharmacopoeial microbial assays.	3 Hour	Mr.Ramachandran Sales and Marketing Head Clarion Cosmetics Guindy Chennai

6	24.03.2018 (FN)	Brief introduction of the following cosmetic preparation and a detailed study on their quality control	3 Hour	Mr.Ramachandran Sales and Marketing Head Clarion Cosmetics Guindy Chennai
7	24.03.2018 (AN)	Preparation of Shampoo, Tooth paste, skin powder, skin creams, hair creams	3 Hour	Mr.Pugalanthi Assistant Manager Clarion Cosmetics Guindy Chennai
8	31.03.2018 (FN)	Preparation of nail polish, after shave lotion, bath and toiletries	3 Hour	Mr.Ramachandran Sales and Marketing Head Clarion Cosmetics Guindy Chennai
9	31.03.2018 (AN)	Preparation of lipstick and hair dyes, perfumes, depilatories	3 Hour	Mr.Pugalanthi Assistant Manager Clarion Cosmetics Guindy Chennai
10	07.04.2018 (FN)	Packaging of cosmetics –Filling of solids, semisolids & liquids.	3 Hour	Mr.Ramachandran Sales and Marketing Head Clarion Cosmetics Guindy Chennai
11	07.04.2018 (AN)	Materials used for cosmetic packaging Rules & regulations and legal provisions for packaging & labeling.	2 Hour	Mr.Pugalanthi Assistant Manager Clarion Cosmetics Guindy Chennai

#### BOOKS AND REFERENCES

1	Comprehensive Pharmacy Review 5th Edition by Leon Shargel, Alan H. Mutnick, Paul F. Souney, Larry N. Sawnsen – 2004.
2	Applied Biopharmaceutics and Pharmacokinetics, 4th Edition by Leon Shargel / Andrew B.C., Yu – 1999.
3	A. H. Beckett and J. B. Stenlake Practical Pharmaceutical Chemistry, Part I and Part II, 4th Edition.
4	G. H. Jeffery, J. Basset, J. Mendham, R. C. Denny (Rev. by) Vogels Text Book of Quantitative Chemical Analysis, 5th Edition 1989, ELBS.
5	The Controller of Publications; New Delhi, Govt. of India, Indian Pharmacopoeia, Vol. I and Vol. II - 1996.
6	J. B. Wilkinson and R. J. Moore :Herry'sCosmeticology; Longman Scientific and Technical Publishers, Singapore.
7	. P.D. Sethi; Quantitative Analysis of Drugs in Pharmaceutical Formulations, 3rd Edition - 1997
8	ICH guideline for impurity determination and stability studies.
9	Practical HPLC method development by Lloyd R. Snyder, Joseph J. Kirkland, Joseph I. Glajch, John Wiley and Sons 2nd Ed

# Participant Feedback Form

(On course completion)

Date 7/4/2019

Course Course in Cosmetic Science

Student Name (optional) Murali.S

Student ID (optional) U14CS108

**a) Helpful and knowledgeable staff:**

Very satisfied     Satisfied     Somewhat satisfied     Not satisfied

**b) Staff friendliness:**

Very satisfied     Satisfied     Somewhat satisfied     Not satisfied

**c) Ease of registration:**

Very satisfied     Satisfied     Somewhat satisfied     Not satisfied

2. Is there anything we can improve with our registration process?

**B. The Training Facility**

3. How satisfied were you with the training facility on the follow

**a) Cleanliness of facility:**

Very satisfied     Satisfied     Somewhat satisfied     Not satisfied

**b) Comfort of training room:**

Very satisfied     Satisfied     Somewhat satisfied     Not satisfied

4. Is there anything we can improve with any of the above?

NIL

# Participant Feedback Form

(On course completion)

Date .....07/04/2018.....

Course .....Cosmetology Science.....

Student Name (optional) .....(Lalipalli Jeevan Reddy).....

Student ID (optional) .....U145C062.....

**a) Helpful and knowledgeable staff:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**b) Staff friendliness:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**c) Ease of registration:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**2. Is there anything we can improve with our registration process?**

.....

## B. The Training Facility

**3. How satisfied were you with the training facility on the follow**

**a) Cleanliness of facility:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**b) Comfort of training room:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**4. Is there anything we can improve with any of the above?**

.....





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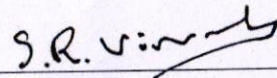
Department of Aeronautical Engineering

## CERTIFICATE OF PARTICIPATION

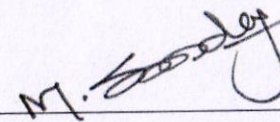
This acknowledges that

ADARSH B R  
U14AE003

Has undertaken 30 hours course on "COURSE ON COSMETIC SCIENCE" organized by  
DEPARTMENT OF AERONAUTICAL ENGINEERING, BIHER FROM 09.03.2018 TO 07.04.2018.



Mr.S.R.Vimal Raj,  
Program Coordinator



HOD/AERO



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Department of Aeronautical Engineering

## CERTIFICATE OF PARTICIPATION

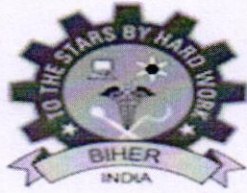
This acknowledges that

ABDUL RAHIM.M  
U14CS003

Has undertaken 30 hours course on "COURSE ON COSMETIC SCIENCE" organized by  
DEPARTMENT OF AERONAUTICAL ENGINEERING, BIHER FROM 09.03.2018 TO 07.04.2018.

Mr.S.R.Vimal Raj,  
Program Coordinator

HOD/AERO



# **Bharath**

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**DEPARTMENT OF AERONAUTICAL ENGINEERING**

**Department of Aeronautical Engineering**  
Value Added Course  
Course on Cosmetic Science

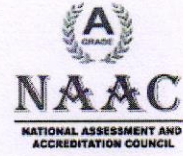


**Our Instructor” Mr.Ramachandran Sales and Marketing Head Clarion Cosmetics Guindy Chennai ” is Handling the session to our registered participants on Cosmetics Science**



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**DEPARTMENT OF AERONAUTICAL ENGINEERING**



Dr. M. Sundararaj M.E, Ph.D  
Head

01/03/2018

Ref No:Cir/Aero/2018/028

## CIRCULAR

This is to intimate the students that Value Added Program titled “Foundation Course on Geoinformatics” is scheduled to be conducted from 09.03.2018 . The course will be for a duration of 30 hours and will be conducted during weekends. Further Details can contact the Course Coordinator Mr.R.Karthikeyan. Assistant Professor Department of aeronautical Engineering.

### Copy to:

1. Copy to All school of Engineering
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HOD/Aero

Dr. M. SUNDARARAJ, M.E., Ph.D.,  
HOD

Department of Aeronautical Engineering  
Bharath Institute of Higher Education & Research  
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No.173, Agharam Road, Selaiyur, Chennai-600073.



+044-22290125 /+91- 9840844425



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(Declared as deemed to be university under section 3 of UGC Act 1956, vide notification No.F.9-5/2000-U.3)

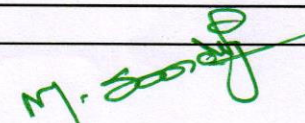
## Department of Aeronautical Engineering

Value Added Course

Foundation Course on Geoinformatics

List of students Registered on 09.03.2018

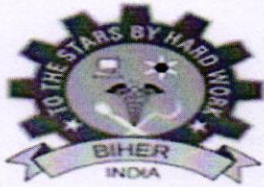
SNO	Reg NO	Name of the Student
1	U14AE002	ABHISHEK REDDY CHEVELLA
2	U14AE004	AFSANA BANU
3	U14AE005	AKSHAY KUMAR GADE
4	U14AE006	ANAND.M
5	U14AE011	BANDARU SANTHOSH KUMAR
6	U14AE015	BALINENI ANVESH
7	U14AE019	CHARLES SAMEER TOPPO
8	U14AE020	CHARUMATHI.P
9	U14AE022	M.DEVA
10	U14AE028	JAGANRAJ
11	U14AE030	JAVEED THAMEEM ANSARI.M.S
12	U14AE033	JINKA SURESH
13	U14AE036	SHILPA KONGARA
14	U14AE043	MOHDREHAN
15	U14AE045	MONGAM NARENDRA KUMAR
16	U14AE046	M KRISHNA VAMSI
17	U14AE049	NAND KISHOR BHARTI
18	U14CS004	ABDUL RAZVI .M.K
19	U14CS008	AJAY.D
20	U14CS010	AKHIL REDDY.G
21	U14CS011	AKSHAY.R
22	U14CS019	ARAMBAKAM,YASWANTH
23	U14CS053	GODJSELA SRINATH
24	U14CS054	GONTLA KARTHIK
25	U14CS069	KARTHIKEYAN.J
26	U14CS082	KRISHNANDAN YADAV
27	U14CS086	LOKESHWARAN.A.
28	U14CS158	SAMPA PARH
29	U14CS162	SANTHOSH KUMAR.N
30	U14MT014	PREMKUMAR.V
31	U14MT017	RAMAKANTH.S
32	U14MT021	SARAVANAN.P
33	U14MT022	SHALIN MORAY.S
34	U14MT024	VANNIYAR MANIKANDAN PERUMAL
35	U14MT026	VIGNESH.R
36	U14EC078	MANNEM MAHANTH REDDY
37	U14EC110	PRASANNA.S

  
Dr. M. SUNDARARAJ, M.E., Ph.D.,  
HOD

Department of Aeronautical Engineering  
Bharath Institute of Higher Education & Research  
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Selaiyur, Chennai-600 073. INDIA

38	U14EC113	PUNUGOTI ANUSHA
39	U14EC114	RACHAMADUGU MANISH
40	U14EC117	PAWAR.SUSHEEL KUMAR
41	U14EC120	SAI RINITHA.K
42	U14EC123	CHEEDELLA SARACCHANDRA.
43	U14EC125	SATHYA NARAYAN .R
44	U14EC126	SHAIK AKHIL
45	U14EC128	SHAIK.ALEEM

M. S. S. S.



# Bharath

**INSTITUTE OF HIGHER EDUCATION AND RESEARCH**  
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**BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY**  
**DEPARTMENT OF AERONAUTICAL ENGINEERING**

**Value Added Course**

**Foundation course on Geoinformatics**

**Objective :**

This course would provide the participants with a full understanding of GIS concepts and principles and how it can be used for resource management and it is designed to expose participants to how GIS can be used to develop applications. Using real-life data, the participants will develop GIS databases. Participants will be introduced to basic principles of remote sensing, image processing and feature extraction methods as used for GIS. This course would provide the participants an appreciation of field-based data acquisition methods that can be used to build and update GIS spatial databases and provides participants the knowledge to design and develop visualisations of GIS data using cartographic design principles and desktop mapping software.

**Course Co-ordinator: Mr.R.Karthikeyan**

**COURSE LAYOUT**

SNO	Date	Course Content	Duration	Instructor
1	09.03.2018	Introduction to concepts; areas of application; system planning & acquisition; data automation;	3 Hour	Mr.R.Karthikeyan, Assistant Professor, Department of Aeronautical Engineering, BIHER
2	10.03.2018 (FN)	Implementation and evaluation strategies; costs and benefits analysis; spatial query and analysis; towards a national GIS/LIS strategy.	3 Hour	Mr.N.Elumalai Assistant Professor, Department of Aeronautical Engineering, P.B.College of Engineering
3	10.03.2018 (AN)	Conceptual and logical database design; building and coding the attributes; digitizing and scanning of maps; relating spatial and attribute data; using databases; and database management.	3 Hour	Mr.R.Karthikeyan, Assistant Professor, Department of Aeronautical Engineering, BIHER
4	17.03.2018 (FN)	Electromagnetic radiation and their interactions with surfaces. Remote sensing systems and sensors. Image processing techniques.	3 Hour	Mrs.ArulSelvi, Assistant Professor Department of ECE -BIHER
5	17.03.2018 (AN)	operation, infrastructural need, and sources of data. Terrestrial systems: establishment of controls detailed surveying, combination with satellite methods.	3 Hour	Mr.N.Elumalai Assistant Professor, Department of Aeronautical Engineering, P.B.College of Engineering

6	24.03.2018 (FN)	Datums: traditional and satellite systems, conversion, and accuracy. Applications and quality assessment.	3 Hour	Mrs.ArulSelvi, Assistant Professor Department of ECE -BIHER
7	24.03.2018 (AN)	ArcGIS basics; creating views and themes; working with themes; the power of tables; spatial query and analysis;	3 Hour	Mr.N.Elumalai Assistant Professor, Department of Aeronautical Engineering, P.B.College of Engineering
8	31.03.2018 (FN)	Working with charts; creating a map layout; addresses and other events. Digital terrain models. Network analysis. Address-matching system.	3 Hour	Mr.N.Elumalai Assistant Professor, Department of Aeronautical Engineering, P.B.College of Engineering
9	31.03.2018 (AN)	Symbol design; name design and placement; concept of scale; map projections; data pre-processing techniques; thematic mapping; digital mapping	3 Hour	Mr.R.Karthikeyan, Assistant Professor, Department of Aeronautical Engineering, BIHER
10	01.04.2018 (FN)	GIS analysis, Classification Methods, Errors in GIS and Key elements of maps, Limitations of GIS	3 Hour	Mr.N.Elumalai Assistant Professor, Department of Aeronautical Engineering, P.B.College of Engineering

#### BOOKS AND REFERENCES

<b>BOOKS AND REFERENCES</b>	
1	James B. Campbell and Randolph H. Wynne, "Introduction to Remote Sensing", (5th Ed.), The Guildford Press, New York, 2012.
2	Lillesand, T.M., Kiefer, R.W. and Chapman, J.W., "Remote Sensing and Image Interpretation", (5th Ed.), John Wiley & Sons, 2007.
3	Gupta, R. P., "Remote Sensing Geology", 2nd Ed., Springer, 2003.
4	Drury, S. A., "Image Interpretation in Geology", 2nd Ed, Allen & Unwin, 1993.
5	Cracknell, A.P., "Introduction to Remote Sensing", (2nd Ed.), Tylor & Francis, London, 1991.
6	Gonzalez, Rafael C. and Richard E. Woods "Digital Image Processing", (3rd Edition) Pearson Education, London.





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**INSTITUTE OF HIGHER EDUCATION AND RESEARCH**  
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Department of Aeronautical Engineering

CERTIFICATE OF PARTICIPATION

This acknowledges that

**M.DEVA**  
**U14AE022**

Has undertaken 30 hours course on "FOUNDATION COURSE ON GEOINFORMATICS"  
organized by DEPARTMENT OF AERONAUTICAL ENGINEERING, BIHER FROM 09.03.2018 TO  
01.04.2018.

Mr.R.Karthikeyan,  
Program Coordinator

HOD/AERO



# Sharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
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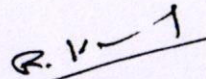
Department of Aeronautical Engineering

## CERTIFICATE OF PARTICIPATION

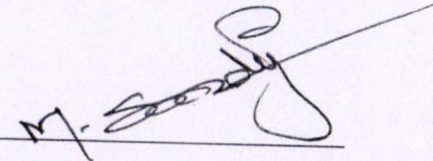
This acknowledges that

SANTHOSH KUMAR.N  
U14CS162

Has undertaken 30 hours course on "FOUNDATION COURSE ON GEOINFORMATICS"  
organized by DEPARTMENT OF AERONAUTICAL ENGINEERING, BIHER FROM 09.03.2018 TO  
01.04.2018.



Mr.R.Karthikeyan,  
Program Coordinator



HOD/AERO

# Participant Feedback Form

(On course completion)

Date *1-04-2018*.....

Course *Foundation Course on Criminology*.....

Student Name (optional) *Abdul Rasheed*.....

Student ID (optional) *U14CS005*.....

**a) Helpful and knowledgeable staff:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**b) Staff friendliness:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**c) Ease of registration:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**2. Is there anything we can improve with our registration process?**

.....

## B. The Training Facility

**3. How satisfied were you with the training facility on the follow**

**a) Cleanliness of facility:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**b) Comfort of training room:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**4. Is there anything we can improve with any of the above?**

.....

# Participant Feedback Form

(On course completion)

Date 01/04/2018

Course Foundation Course on Geo Informatics

Student Name (optional) Karthick.V

Student ID (optional) U14 AM002

**a) Helpful and knowledgeable staff:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**b) Staff friendliness:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**c) Ease of registration:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**2. Is there anything we can improve with our registration process?**

.....

## B. The Training Facility

**3. How satisfied were you with the training facility on the follow**

**a) Cleanliness of facility:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**b) Comfort of training room:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**4. Is there anything we can improve with any of the above?**

.....



# **Bharath**

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**BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY**  
**DEPARTMENT OF AERONAUTICAL ENGINEERING**

## **Department of Aeronautical Engineering**

**Value Added Course**

**Foundation course on Geoinformatics**



**Our Instructor” Mr.N.Elumalai ,Assistant Professor Department of Aeronautical Engineering P.B.College of Engineering” is Handling the session to our registered participants on Network Analysis**



# Bharath

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BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF AERONAUTICAL ENGINEERING



Dr. M. Sundararaj M.E, Ph.D  
Head

15/01/2018

Ref No:Cir/Aero/2018/011

## CIRCULAR

This is to intimate the students that Value Added Program titled "Introduction to Intellectual Property Rights and Patent Management" is scheduled to be conducted from 24.01.2018 . The course will be for a duration of 30 hours and will be conducted during weekends. Further Details can contact the Course Coordinator Dr.C.Sureshkumar. Associate Professor Department of aeronautical Engineering.

### Copy to:

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3. Copy to Pro-VC
4. Copy to Office



*M. Sundararaj*  
HOD/Aero

Dr. M. SUNDARARAJ, M.E., Ph.D.,  
HOD  
Department of Aeronautical Engineering  
Bharath Institute of Higher Education & Research  
(Declared as Deemed to be University U/S 3 of UGC Act, 1956)  
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No.173, Agharam Road, Selaiyur, Chennai-600073.

+044-22290125 /+91- 9840844425 ✉ hodaero@bharathuniv.ac.in 🌐 www.bharathuniv.ac.in



# Bharath

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(Declared as deemed to be university under section 3 of UGC Act 1956, vide notification No.F.9-52000-U.3)

## Department of Aeronautical Engineering

### Value Added Course

### Introduction to Intellectual Rights and Patent Management

### List of students Registered on 24.01.2018

SNO	Reg NO	Name of the Student
1	U14AE009	ANNAPAREDDY NAGA SAI SRINIVAS
2	U14AE018	BONALA KAMSALA RAGHAVENDRA
3	U14AE034	JOHN METHUSALA E
4	U14AE051	NAVEEN KUMAR P
5	U14AE052	NISHANT SHUKLA
6	U14AE054	PALAKADA BHAVANA
7	U14AE057	PODILAPU RAJA SEKHAR
8	U14AE060	PRATHAP L
9	U14AE061	PUSHPENDU GHOSH
10	U14AE062	R.RAJESH
11	U14AE067	B.SATHISH KUMAR
12	U14AE068	SATHIYA SEELAN.E
13	U14AE071	SELVAGANAPATHY R
14	U14AE072	SHAIK KHADER SHARIEF
15	U14AE073	SHANISH KUMAR
16	U14AE081	TANDRA ARJUN KUMAR
17	U14CS003	ABDUL RAHIM.M
18	U14CS007	ABHISHEK MANDURI
19	U14CS009	AKASH CHANDRA AMBASTHA
20	U14CS020	ARAVIND RAJ.M
21	U14CS055	GOTTIPATI KARTHIK
22	U14CS071	KARTIK YADAV
23	U14CS102	MOHAMMED AABID
24	U14CS107	MUGUNTHANATHAN.G
25	U14CS108	MURALI .S
26	U14MT004	ARULSELVAN.A
27	U14MT010	HARISH .K
28	U14EC018	BANKIM CHANDRA BHARTI
29	U14EC024	CHANDRALEKA.K
30	U14EC062	KATIPELLI JEEVAN REDDY

Dr. M. SUNDARARAJ, M.E., Ph.D.,  
HOD  
Department of Aeronautical Engineering  
Bharath Institute of Higher Education & Research  
(Declared as Deemed to be University U/S 3 of UGC Act, 1956)  
Selaiyur, Chennai-600 073, INDIA



## Department of Aeronautical Engineering

### Value Added Course

#### Introduction to Intellectual Property Rights and Patent Management

**Objective :**

1. To introduce fundamental aspects of Intellectual property Rights to students who are going to play a major role in development and management of innovative projects in industries.
2. To disseminate knowledge on patents, patent regime in India and abroad and registration aspects
3. To disseminate knowledge on copyrights and its related rights and registration aspects
4. To disseminate knowledge on trademarks and registration aspects
5. To disseminate knowledge on Design, Geographical Indication (GI), Plant Variety and Layout Design Protection and their registration aspects
6. To aware about current trends in IPR and Govt. steps in fostering IPR

Course Co-ordinator: Dr.C.Sureshkumar

**COURSE LAYOUT**

SNO	Date	Course Content	Duration	Instructor
1	24.01.2018	<b>Overview of Intellectual Property</b> Introduction and the need for intellectual property right (IPR) - Kinds of Intellectual Property Rights: Patent, Copyright, Trade	4 Hour	Dr.C.Kannan, Associate Professor Faculty of Arts BIHER
2	27.01.2018 (FN)	development – IPR in abroad - Major International Instruments concerning Intellectual Property	3 Hour	Mrs.Joncy, Assistant Professor Faculty of Arts BIHER
3	27.01.2018 (AN)	<b>Patentability:</b> Novelty , Non Obviousness (Inventive Steps),	3 Hour	Mrs.Jenifer, Assistant Professor Faculty of Arts BIHER
4	03.02.2018 (FN)	Restoration of lapsed Patents, Surrender and Revocation of	3 Hour	Mrs.Joncy, Assistant Professor Faculty of Arts BIHER
5	03.02.2018 (AN)	Subject matter of copyright: original literary, dramatic, musical, artistic	3 Hour	Mrs.Joncy, Assistant Professor Faculty of Arts BIHER
6	10.02.2018 (FN)	copyright - Infringement, Remedies & Penalties – Related Rights -	3 Hour	Mrs.Joncy, Assistant Professor Faculty of Arts BIHER
7	10.02.2018 (AN)	Trademarks - Different kinds of marks (brand names, logos,	3 Hour	Mrs.Jenifer, Assistant Professor Faculty of Arts BIHER



8	17.02.2018 (FN)	Registration of Trademarks - Rights of holder and assignment and licensing of marks - Infringement, <del>Design &amp; Penalties, Trademarks</del>	3 Hour	Mrs.Joncy, Assistant Professor Faculty of Arts BIHER
9	17.02.2018 (AN)	Design: meaning and concept of novel and original - Procedure for registration, effect of registration and term of protection <b>Geographical Indication (GI)</b> Geographical indication: meaning, and difference between GI and trademarks - Procedure for <del>Layout Design protection</del>	3 Hour	Mrs.Joncy, Assistant Professor Faculty of Arts BIHER
10	24.02.2018	Layout Design protection: meaning – Procedure for registration, effect <del>of registration and term of</del>	3 Hour	Mrs.Jenifer, Assistant Professor Faculty of Arts BIHER

#### BOOKS AND REFERENCES

1	Nithyananda, K V. (2019). Intellectual Property Rights: Protection and Management. India, IN: Cengage Learning India Private Limited.
2	Neeraj, P., & Khusdeep, D. (2014). Intellectual Property Rights. India, IN: PHI learning Private Limited.
3	. Ahuja, V K. (2017). Law relating to Intellectual Property Rights. India, IN: Lexis Nexis.



**Bhoreath**  
INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
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Department of Aeronautical Engineering

# Certificate of Participation

This acknowledges that

ARULSELVAN.A  
U14MT004

Has undertaken 30 hours course on **"INTRODUCTION TO INTELLECTUAL PROPERTY RIGHTS AND PATENT MANAGEMENT"** Organized by DEPARTMENT OF AERONAUTICAL ENGINEERING, BIHER FROM 24.01.2018 TO 24.02.2018.



DR.C.SURESHKUMAR, PROGRAM  
COORDINATOR



HOD/AERO



# Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
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Department of Aeronautical Engineering

## Certificate of Participation

This acknowledges that  
**NISHANT SHUKLA**  
U14AE052

Has undertaken 30 hours course on **"INTRODUCTION TO INTELLECTUAL PROPERTY RIGHTS AND PATENT MANAGEMENT"** Organized by DEPARTMENT OF AERONAUTICAL ENGINEERING, BIHER FROM 24.01.2018 TO 24.02.2018.

DR.C.SURESHKUMAR, PROGRAM  
COORDINATOR

HOD/AERO

# Participant Feedback Form

(On course completion)

Date ... 24/2/2018 .....

Course ... Introduction to Intellectual Rights & patent management

Student Name (optional) ... Harishik .....

Student ID (optional) ... U14MT010 .....

**a) Helpful and knowledgeable staff:**

Very satisfied     Satisfied     Somewhat satisfied     Not satisfied

**b) Staff friendliness:**

Very satisfied     Satisfied     Somewhat satisfied     Not satisfied

**c) Ease of registration:**

Very satisfied     Satisfied     Somewhat satisfied     Not satisfied

2. Is there anything we can improve with our registration process?

.....

**B. The Training Facility**

3. How satisfied were you with the training facility on the follow

**a) Cleanliness of facility:**

Very satisfied     Satisfied     Somewhat satisfied     Not satisfied

**b) Comfort of training room:**

Very satisfied     Satisfied     Somewhat satisfied     Not satisfied

4. Is there anything we can improve with any of the above?

No

.....

# Participant Feedback Form

(On course completion)

Date 24/02/2018

Course Introduction to Intellectual Right and Patent Management

Student Name (optional) Pradip L

Student ID (optional) U14MEG0

**a) Helpful and knowledgeable staff:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**b) Staff friendliness:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**c) Ease of registration:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**2. Is there anything we can improve with our registration process?**

.....

## B. The Training Facility

**3. How satisfied were you with the training facility on the follow**

**a) Cleanliness of facility:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**b) Comfort of training room:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**4. Is there anything we can improve with any of the above?**

.....



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**DEPARTMENT OF AERONAUTICAL ENGINEERING**

**Department of Aeronautical Engineering**

**Value Added Course**

**Introduction to Intellectual Property Rights and Patent Management**

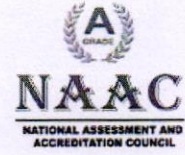


**Our Instructor” Dr.C.Kannan, Associate Professor Faculty of Arts BIHER” is Handling the session to our registered participants on Inaugurating the event**



# Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
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BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF AERONAUTICAL ENGINEERING



Dr. M. Sundararaj M.E, Ph.D  
Head

15/01/2018

Ref No:Cir/Aero/2018/012

## CIRCULAR

This is to intimate the students that Value Added Program titled “Professional Training in Patent Law and Practice ” is scheduled to be conducted from 24.01.2018 . The course will be for a duration of 30 hours and will be conducted during weekends. Further Details can contact the Course Coordinator Mrs.A.Adaikalaraj. Assistant Professor Department of aeronautical Engineering.

### Copy to:

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HOD

Department of Aeronautical Engineering  
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# Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

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## Department of Aeronautical Engineering

Value Added Course

Professional Training in Patent Law and Practice

List of students Registered on 24.01.2018

SNO	Reg NO	Name of the Student
1	U14AE010	M. ARUN KUMAR
2	U14AE017	BHARATH KUMAR.P
3	U14AE063	RAJESH G
4	U14AE064	RANGALA DHARMARAJU
5	U14AE065	PANDARI SAI MANIKANTA PRASANNA KUMAR
6	U14AE069	SAYAN BHATTACHARJEE
7	U14AE070	SAYYAD MAHABOOB BASHA
8	U14AE074	SHANMUGANANDAN.M
9	U14AE076	SIDHAREDDY MANIGANDAN
10	U14AE077	SIMGAVARJULA VEDAVYAS
11	U14AE078	SINGANA SRI ARAVIND
12	U14AE081	TANDRA ARJUN KUMAR
13	U14AE082	THOTA. MANIKANTA ANKARAO
14	U14AE083	THUPAKULA DEVA KRISHNA
15	U14AE084	VENKATASUBRAMANIAN.I
16	U14AE085	B.VENKATESAN
17	U14AE086	VENKATESH P
18	U14AE088	VISHWATEJA KUMAR REDDY.V
19	U14AE089	YALAMARTHI TULASI RAM
20	U14CS032	BODA VEERA VENKATA RAVI TEJA
21	U14CS034	BOYAPATI VINAY
22	U14CS035	BYSANI VENKAT SANDEEP
23	U14CS041	CHINTLA VENKATESH
24	U14CS045	DEEPAKSANKAR REDDY.M
25	U14CS048	DIVYA RUPINI.B
26	U14CS050	FAZIL AHAMED.J
27	U14CS053	GODJSELA SRINATH
28	U14CS054	GONTLA KARTHIK
29	U14MT009	ELAKKIYA.S.
30	U14MT025	MUGHILAN .N

Dr. M. SUNDARARAJ, M.E., Ph.D.,  
HOD

Department of Aeronautical Engineering  
Bharath Institute of Higher Education & Research  
(Declared as Deemed to be University U/S 3 of UGC Act. 1956)  
Selaiyur, Chennai-600 073. INDIA





# Bharath

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 BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY  
 DEPARTMENT OF AERONAUTICAL ENGINEERING

## Department of Aeronautical Engineering

Value Added Course

Professional training in patent law and practice

### Objective :

The course shall give an in-depth understanding of patent law to engineers and scientists. This course will help person with a science background to understand the fundamentals of patent law, know the requirements of patentability, learn how to read and interpret patent specifications, analyze patent office procedures and court cases and develop the basic understanding for drafting a patent specification. This course will cover the syllabus of Paper 1 of the Patent Agent Examination conducted by the Intellectual Property Office, Government of India.

Course Co-ordinator: Mr.A.Adaikalaraj

### COURSE LAYOUT

SNO	Date	Course Content	Duration	Instructor
1	24.01.2018	Introduction to the Indian Patent System Patent Laws as Concepts; Understanding the Patents Act, 1970; Understanding the Patents Rules, 2003; Preliminary Sections; Preliminary Rules; What's New in the Patents (Amendment) Rules, 2016; Form of Invention; Statutory	3 Hour	Mr.A.Adaikalaraj, Assistant Professor, Department of Aeronautical Engineering, BIHER
2	27.01.2018 (FN)	Exceptions to Patentability; Novelty and Anticipation; Inventive Step; Capable of Industrial Application; Reason Provisional and Complete Specifications;	3 Hour	Mr.Durai, Advocate Madras High court
3	27.01.2018 (AN)	Structure of a Patent Specification—Title, Abstract, Description, Claims, etc.; Reading a Patent Specification—Fair basis, Enabling Disclosure, Definiteness, Priority; Introduction to Patent	3 Hour	Mr.Durai, Advocate Madras High court

4	03.02.2018 (FN)	Patent Prosecution. Patent Applications Patent Application—Who Can Apply, True and First Inventor, How to Make a Patent Application, What to include in a Patent Application, Patent Prosecution.	3 Hour	Ms.Salin Nisha , Advocate Madras High court
5	03.02.2018 (AN)	Patent Prosecution. Publication and Examination - I Publication of Application; Request for Examination; Examination of Patent Prosecution.	3 Hour	Ms.Salin Nisha , Advocate Madras High court
6	10.02.2018 (FN)	Patent Prosecution. Publication and Examination – II Expedited Examination of Application; Search for Anticipation—Procedure, withdrawal of Application; Consideration of Report of Patent Prosecution.	3 Hour	Ms.Salin Nisha , Advocate Madras High court
7	10.02.2018 (AN)	Patent Prosecution. Powers of Controller Powers of Controller—Examination Stage, Consideration of report by examiner, Refuse or Amend Applications, Division of Applications, Dating of Patent Prosecution.	2 Hour	Mr.Durai, Advocate Madras High court
8	17.02.2018 (FN)	Patent Prosecution. Opposition pre-grant opposition; Post-grant opposition; Wrongful obtaining of invention; Mention of Inventor; Patent Prosecution.	2 Hour	Ms.Salin Nisha , Advocate Madras High court
9	17.02.2018 (AN)	Patent Prosecution. Practice at the Patent Office- I Secrecy Provisions; Grant of Patents; Rights Conferred by Grant; Rights of Co-Owners; Term of Patent; Restoration of Patent Office and Patent Prosecution.	2 Hour	Mr.Durai, Advocate Madras High court
10	24.02.2018 (FN)	Patent Office and Patent Prosecution, Surrender; Revocation—Grounds for Revocation; Register of Patents, Patent Office and its Establishment; Patent Office and Patent Prosecution.	2 Hour	Ms.Salin Nisha , Advocate Madras High court
11	24.02.2018 (AN)	Compulsory Licensing—Working of Patents, Grounds for Grant of Compulsory License, Revocation; Patent Office and Patent Prosecution.	2 Hour	Mr.Durai, Advocate Madras High court

12	25.02.2018 (FN)	Patent Enforcement, International Arrangements and Other Miscellaneous Provisions Intellectual Property Appellate Board; Declaratory Suits, Infringement Suits; International Application—Convention Application, PCT Application, Application Designating India, Multiple Priorities; PCT Timeline; Fees—Application, In Relation to Grant of Patents; Timelines	2 Hour	Ms.Salin Nisha , Advocate Madras High court
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#### BOOKS AND REFERENCES

BOOKS AND REFERENCES	
1	Feroz Ali, The Law of Patents, LexisNexis
2	Ronald D. Slusky, Invention Analysis and Claiming – A Patent Lawyer’s Guide, Second Edition, American Bar Association, 2012.
3	Feroz Ali, The Touchstone Effect – The Impact of Pre-grant Opposition on Patents, LexisNexis, 2009.



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Department of Aeronautical Engineering

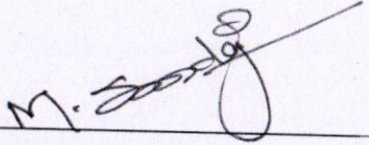
## Certificate of Participation

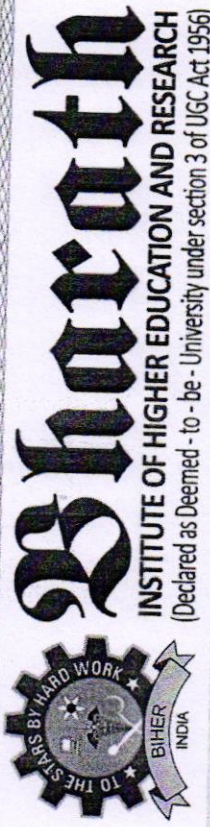
This acknowledges that

**DIVYA RUPINI.B**  
**U14CS048**

Has undertaken 30 hours course on "PROFESSIONAL TRAINING IN PATENT LAW AND PRACTICE" Organized by DEPARTMENT OF AERONAUTICAL ENGINEERING, BIHER FROM 24.1.2018 TO 25.02.2018.

  
MR.A. ADIKALARAJ, PROGRAM  
COORDINATOR

  
HOD/AERO



**Shriharath**

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**Department of Aeronautical Engineering**

# Certificate of Participation

This acknowledges that

**RAJESH G**  
**U14AE063**

Has undertaken 30 hours course on "PROFESSIONAL TRAINING IN PATENT LAW AND PRACTICE" Organized by DEPARTMENT OF AERONAUTICAL ENGINEERING, BIHER FROM 24.1.2018 TO 25.02.2018.

  
MR. A. ADAIKAL ARAJ, PROGRAM  
COORDINATOR

  
HOD/AERO

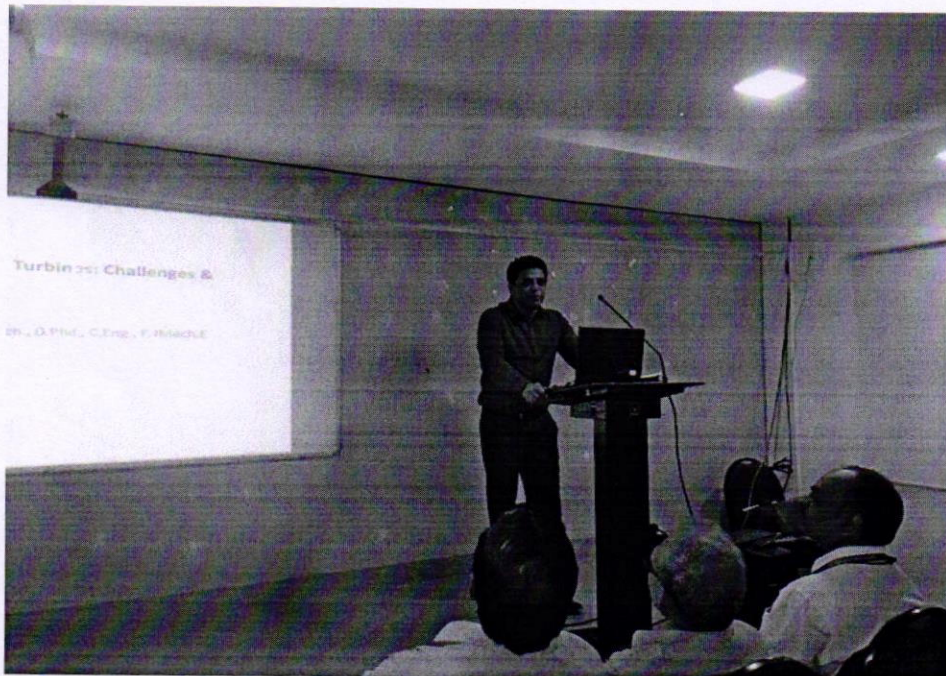


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BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF AERONAUTICAL ENGINEERING

## Department of Aeronautical Engineering Value Added Course

Professional training in patent law and practice



Our Instructor” Mr.Durai, Advocate Madras High court” is Handling the session to our registered participants on Patenting Law and Challenges in Turbines

# Participant Feedback Form

(On course completion)

Date ...25/02/2018.....

Course .....Paraprofessional training in patent law practice

Student Name (optional) .....Rafesha A.....

Student ID (optional) .....U14.A.E.063.....

## a) Helpful and knowledgeable staff:

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

## b) Staff friendliness:

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

## c) Ease of registration:

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

2. Is there anything we can improve with our registration process?

.....

## B. The Training Facility

3. How satisfied were you with the training facility on the follow

### a) Cleanliness of facility:

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

### b) Comfort of training room:

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

4. Is there anything we can improve with any of the above?

.....

# Participant Feedback Form

(On course completion)

Date 25.2.18.....

Course PROFESSIONAL TRAINING IN LAW PRACTISE

Student Name (optional) ELAKKIA-S.....

Student ID (optional) U14M1014.....

**a) Helpful and knowledgeable staff:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**b) Staff friendliness:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**c) Ease of registration:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**2. Is there anything we can improve with our registration process?**

.....

## B. The Training Facility

**3. How satisfied were you with the training facility on the follow**

**a) Cleanliness of facility:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**b) Comfort of training room:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**4. Is there anything we can improve with any of the above?**

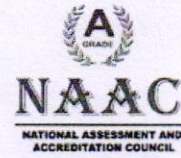
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BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF AERONAUTICAL ENGINEERING



Dr. M. Sundararaj M.E, Ph.D  
Head

03/01/2018

Ref No: Cir/Aero/2018/023

## CIRCULAR

This is to intimate the students that Value Added Program titled "Remote Sensing and Digital Image Processing of Satellite Data" is scheduled to be conducted from 10.01.2018 . The course will be for a duration of 30hours and will be conducted during weekends. Further Details can contact the Course Coordinator Dr.S.Elangovan. Professor and Dean Department of aeronautical Engineering.

### Copy to:

1. Copy to All school of Engineering
2. Copy to Dean Engineering
3. Copy to Pro-VC
4. Copy to Office

HOD/Aero

Dr. M. SUNDARARAJ, M.E., Ph.D.,  
HOD

Department of Aeronautical Engineering

Bharath Institute of Higher Education & Research  
(Declared as Deemed to be University U/S 3 of UGC Act, 1956)  
Selayur, Chennai-600 073. INDIA



No.173, Agharam Road, Selayur, Chennai-600073.

+044-22290125 /+91- 9840844425 hodaero@bharathuniv.ac.in www.bharathuniv.ac.in



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as deemed to be university under section 3 of UGC Act 1956, vide notification No.F.9-5/2000-U.3)

## Department of Aeronautical Engineering

Value Added Course

### Remote Sensing and Digital Signal Processing of Satellite Data

#### Objective :

The course provides basic understanding about satellite based Remote Sensing and Digital Image Processing technologies. Presently, remote sensing datasets available from various earth orbiting satellites are being used extensively in various domains including in Aeronautical engineering, Aerospace engineering civil engineering, water resources, earth sciences, transportation engineering, navigation etc. Google Earth has further made access to high spatial resolution remote sensing data available to non-experts with great ease. Knowledge of Digital Image Processing of satellite data allows to process raw satellite images for various applications.

**PRE-REQUISITES:** Current students of engineering students and current post graduate science students

Course Co-ordinator: Dr.S.Elangovan

#### COURSE LAYOUT

SNO	Date	Course Content	Duration	Instructor
1	10.01.2018	Introduction to Remote sensing and satellite based remote sensing, Different platforms of remote sensing	1 Hour	Dr.S.Elangovan, Professor & Dean Department of Aeronautical Engineering- BIHER
2	13.01.2018	EM spectrum, solar reflection and thermal emission remote sensing ,Interaction of EM radiation with atmosphere including atmospheric scattering, absorption and emission and Interaction mechanisms of EM radiation with ground, spectral response curves	3 Hour	Mrs.ArulSelvi, Assistant Professor Department of ECE -BIHER
3	20.01.2018	Principles of image interpretation and Multi-spectral scanners and imaging devices , Salient characteristics of LANDSAT Sensors,IRS Sensors, Cartosat Sensors and ResourceSat Sensors	3 Hour	Mrs.philomena,Assistan t Professor Department of ECE -BIHER

4	27.01.2018	Image characteristics and different resolutions in Remote Sensing, Image interpretation of different geological landforms, rock types and structures	3 Hour	Mrs.philomena,Assistant Professor Department of ECE -BIHER
5	03.02.2018	Remote Sensing integration with GIS and GPS ,Georeferencing Technique Basic image enhancement techniques and Spatial filtering techniques	3 Hour	Mrs.ArulSelvi, Assistant Professor Department of ECE -BIHER
6	10.02.2018	Image classification techniques, InSAR Technique and its applications,Hyperspectral Remote Sensing, Integrated applications of RS and GIS in groundwater studies	3 Hour	Mrs.philomena,Assistant Professor Department of ECE -BIHER
7	17.02.2018	Limitations of Remote Sensing Technique,Method of Representation of remote sensing image ,Classification of various techniques of Image acquisition	3 Hour	Mrs.ArulSelvi, Assistant Professor Department of ECE -BIHER
8	24.02.2018	Importance of digital image processing, Image characteristics and different resolutions in Remote Sensing , EM spectrum, solar reflection and thermal emission remote sensing	3 Hour	Mrs.philomena,Assistant Professor Department of ECE -BIHER
9	03.03.2018	Colour representations and transforms, Image Histograms and statistics, Geometric transformations /Georeferencing Technique and Image enhancement techniques –I & II	3 Hour	Mrs.ArulSelvi, Assistant Professor Department of ECE -BIHER
10	10.03.2018	Multispectral transforms: scatter plot, principal component analysis and decorrelation stretch Spatial filtering techniques Frequency domain - Fourier transformation Basic Image Compression techniques and different image file formats Image classification techniques	3 Hour	Mrs.ArulSelvi, Assistant Professor Department of ECE -BIHER
11	17.03.2018	Principles of image interpretation, SAR Interferometry (InSAR) Technique,Image merging and mosaicking techniques,Applications of Image Analysis and Limitations and future of Digital Image Processing Technique	2 Hour	Mrs.ArulSelvi, Assistant Professor Department of ECE -BIHER

## BOOKS AND REFERENCES

1	James B. Campbell and Randolph H. Wynne, "Introduction to Remote Sensing", (5th Ed.), The Guildford Press, New York, 2012.
2	Lillesand, T.M., Kiefer, R.W. and Chapman, J.W., "Remote Sensing and Image Interpretation", (5th Ed.), John Wiley & Sons, 2007.
3	Gupta, R. P., "Remote Sensing Geology", 2nd Ed., Springer, 2003.
4	Drury, S. A., "Image Interpretation in Geology", 2nd Ed, Allen & Unwin, 1993.
5	Cracknell, A.P., "Introduction to Remote Sensing", (2nd Ed.), Tylor & Francis, London, 1991.
6	Gonzalez, Rafael C. and Richard E. Woods "Digital Image Processing", (3rd Edition) Pearson Education, London.



Dr. M. SUNDARARAJ, M.E., Ph.D.,  
HOD

Department of Aeronautical Engineering  
Bharath Institute of Higher Education & Research  
(Declared as Deemed to be University U/S 3 of UGC Act, 1956)  
Selayur, Chennai-600 073. INDIA



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## Department of Aeronautical Engineering

### Value Added Course

### Remote Sensing And Digital Image Processing Of Satellite Data

### List of students Registered on 10.01.2018

SNO	Reg NO	Name of the Student
1	U14AE009	ANNAPAREDDY NAGA SAI SRINIVAS
2	U14AE016	BATTULA SARAN KUMAR
3	U14AE018	BONALA KAMSALA RAGHAVENDRA
4	U14AE024	GANGIPELLI VINEETH
5	U14AE027	GUMMADI SANTOSH KUMAR
6	U14AE034	JOHNMETHUSALA E
7	U14AE036	SHILPA KONGARA
8	U14AE043	MOHDREHAN
9	U14AE044	M UDAY TEJA
10	U14AE045	MONGAM NARENDRA KUMAR
11	U14AE050	NARHARI RAMEKAR
12	U14AE052	NISHANT SHUKLA
13	U14AE053	SUSMITHA PADAMATI
14	U14AE054	PALAKADA BHAVANA
15	U14AE057	PODILAPU RAJA SEKHAR
16	U14AE058	POONAM SHARMA.G
17	U14AE059	PRAGATHY.D
18	U14AE060	PRATHAP L
19	U14AE065	PANDARI SAI MANIKANTA PRASANNA KUMAR
20	U14AE067	B.SATHISH KUMAR
21	U14EC002	AARTHI.P
22	U14EC020	BETHALA MOURYA
23	U14EC066	MANAM KOKILA.
24	U14EC084	MELARGOAD KALATTAR RAKESH
25	U14EC088	VASIREDDY MOUNIKA.
26	U14EC090	MUTYALA SAI HARISHITHA
27	U14EC092	NAGUNOORI SANKIRTH KUMAR
28	U14EC095	NARESH .I
29	U14EC097	MATHEGAM NIHAL REDDY
30	U14CS007	ABHISHEK MANDURI
31	U14CS014	ANGELIN .R
32	U14CS027	BALAJI SINGH. T
33	U14CS067	KARTHICK.K
34	U14CS106	MUGANTH.R.
35	U14CS171	SHARSHI KANT PRASAD
36	U14CS148	RAMYA.B
37	U14MT018	RAYA VENKATA RAMANJANEYULU REDDY

38

U14MT026

VIGNESH.R



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Department of Aeronautical Engineering

Value Added Course

Remote Sensing and Digital Signal Processing of Satellite Data



Our Instructor" Mrs.philomena ,Assistant Professor Department of ECE –BIHER" is Handling the session to our registered participants on Remote sensing

# Participant Feedback Form

(On course completion)

Date ...17.03.2018...

Course ..Remote..sensing..and..digital..signal..Processing..of..Satellite..data..

Student Name (optional) ....SHUKPA..KONGARA.....

Student ID (optional) .....U.K.A.E..034.....

**a) Helpful and knowledgeable staff:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**b) Staff friendliness:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**c) Ease of registration:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**2. Is there anything we can improve with our registration process?**

.....

## B. The Training Facility

**3. How satisfied were you with the training facility on the follow**

**a) Cleanliness of facility:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**b) Comfort of training room:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**4. Is there anything we can improve with any of the above?**

.....



# Participant Feedback Form

(On course completion)

Date 17.03.2018

Course REMOTE SENSING & DIGITAL SIGNAL PROCESSING of Satellite data.

Student Name (optional) ANNIL KRISHNAN. K

Student ID (optional) U17CS016

**a) Helpful and knowledgeable staff:**

Very satisfied     Satisfied     Somewhat satisfied     Not satisfied

**b) Staff friendliness:**

Very satisfied     Satisfied     Somewhat satisfied     Not satisfied

**c) Ease of registration:**

Very satisfied     Satisfied     Somewhat satisfied     Not satisfied

2. Is there anything we can improve with our registration process?

**B. The Training Facility**

3. How satisfied were you with the training facility on the follow

**a) Cleanliness of facility:**

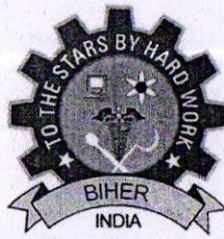
Very satisfied     Satisfied     Somewhat satisfied     Not satisfied

**b) Comfort of training room:**

Very satisfied     Satisfied     Somewhat satisfied     Not satisfied

4. Is there anything we can improve with any of the above?

session need more hours.



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Department of Aeronautical Engineering

*Certificate*  
OF PARTICIPATION

**THIS IS CERTIFY THAT**

**CHALUVADI DIVYA BHARATHI**  
**U14EC023**

has undertaken 30 Hours course on "**Remote Sensing and Digital Processing of Satellite data**" Organized by Department of Aeronautical Engineering, BIHER from 10.01.2018 to 17.03.2018.

Convenor

HOD/Aero



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Department of Aeronautical Engineering

## *Certificate* OF PARTICIPATION

**THIS IS CERTIFY THAT**

**ATUL ANAND U14CS024**

has undertaken 30 Hours course on **"Remote Sensing and Digital Processing of Satellite data"** Organized by Department of Aeronautical Engineering, BIHER from 10.01.2018 to 17.03.2018.

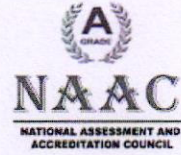
Convenor

Dean/Aero



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BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF AERONAUTICAL ENGINEERING



Dr. M. Sundararaj M.E, Ph.D  
Head

21/09/2017

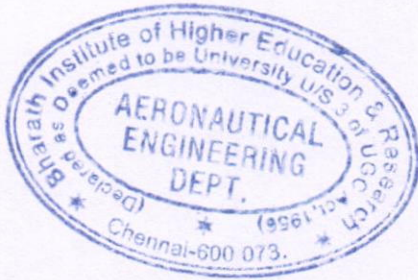
Ref No:Cir/Aero/2017/039

## CIRCULAR

This is to intimate the students that Value Added Program titled "Course on Surveillance Robot" is scheduled to be conducted from 26.09.2017. The course will be for a duration of 30 hours and will be conducted during weekends. Further Details can contact the Course Coordinator Mr.Syedhaleem Assistant Professor Department of aeronautical Engineering.

### Copy to:

1. Copy to All school of Engineering
2. Copy to Dean Engineering
3. Copy to Pro-VC
4. Copy to Office



*M. Sundararaj*  
HOD/Aero

Dr. M. SUNDARARAJ, M.E., Ph.D.,  
HOD  
Department of Aeronautical Engineering  
Bharath Institute of Higher Education & Research  
(Declared as Deemed to be University U/S 3 of UGC Act, 1956)  
Selaiyur, Chennai-600 073. INDIA

No.173, Agharam Road, Selaiyur, Chennai-600073.

+044-22290125 /+91- 9840844425 ✉ hodaero@bharathuniv.ac.in 🌐 www.bharathuniv.ac.in



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(Declared as deemed to be university under section 3 of UGC Act 1956, vide notification No.F.9-52000-U.3)

## Department of Aeronautical Engineering

### Value Added Course

### Course On Surveillance Robot

### List of students Registered on 26.09.2017

SNO	Reg NO	Name of the Student
1	U15AE001	NAGANANDAN A
2	U15AE004	ARAVINDAN A
3	U15AE005	ARUP RATAN PARAMANIK
4	U15AE007	BOJJA MANOJ KUMAR
5	U15AE009	CHITTOJI THANMAYI
6	U15AE010	DASARI RUFUS
7	U15AE013	DIVYA A
8	U15AE015	ERLA NAVEEN KUMAR
9	U15AE016	GADDAM MADHUSUDHAN REDDY
10	U15AE017	GANDLA SAI KEERTHANA
11	U15AE018	VASUDEVA REDDY I
12	U15AE019	ISHANT DUBEY
13	U15AE022	KM JUHI GUPTA
14	U15AE024	KUSUNURI JYOTHI SAI PAVAN
15	U15AE026	MD MUDEE ALAM
16	U15AE028	MOPOORI BHARATH KUMAR
17	U15AE031	PARASA MAHENDRA
18	U15AE033	PERCIYALA
19	U15AE039	SAMPATHARAO PARDHU
20	U15AE046	TYAGARAJAN BHAVANI SHANKAR
21	U14AE035	KAMAGONDA PRASAD
22	U14AE042	MOHAMMAD SADEEQ SHAH
23	U14AE050	NARHARI RAMEKAR
24	U14AE053	SUSMITHA PADAMATI
25	U14AE055	PALANI KANNAN
26	U14AE056	PENTELA GANESH
27	U14AE058	POONAM SHARMA.G
28	U14AE059	PRAGATHY.D
29	U14AE090	YASWANTH BAIDUBALLI
30	U14AE091	YOGRAJ SONAR
31	U14AE095	KARANAM SWAPNA SAI CHOWDARY.K
32	U14AE501	RAJ PRAVEEN. K
33	U14AE502	SYED SHAFATH R
34	U14AE701	SASIKUMAR S
35	U14AE702	CLEVIN ALBERT NEONGNENG
36	U14AE703	BANAIBOR KHARSHIING
37	U14CS033	BOORAGADDA VAMSI KRISHNA

*M. Sundararaj*

Dr. M. SUNDARARAJ, M.E., Ph.D.,  
HOD

Department of Aeronautical Engineering  
Bharath Institute of Higher Education & Research  
(Declared as Deemed to be University U/S 3 of UGC Act 1956)  
Selaiyur, Chennai-600 077

38	U14CS040	CHINTAPANTI SRIKANTH
39	U14CS044	DARA DEEPTHI
40	U14CS046	DEVARAPALLI HIMAKAR
41	U14CS049	EVELIN JUGLR
42	U14CS051	GANESH RAJ .L
43	U14CS055	GOTTIPATI KARTHIK
44	U14EC097	MATHEGAM NIHAL REDDY
45	U14EC099	PADALA SUBRAHMANYAM
46	U14EC101	PANDEM RAGHAVENDRA REDDY
47	U14EC103	PAPUGANI PARTHASARADHI.
48	U14EC104	PEDINEEDI VIJAYA BHARGAVI
49	U14EC106	PENGALAPATI BHARATHI
50	U14EC108	PONNAGANTI MANOJ DEEP
51	U14EC138	SRINIVASAN .S
52	U14EC141	SWETHA HARIDASAN
53	U14EC147	RANGASAMUDRAM TEJASWINI
54	U14EC160	MADDIBAI VEERESHGOUD
55	U14EC167	YADALA THRINADH
56	U14EC513	RAGULKANTH A
57	U14MT015	RAJESH.M
58	U14MT701	YUVARAJ. S
59	U14MT704	APPU JAYAN
60	U14MT708	R.ASHWIN EZHINI PAVAZHA VENDHAN
61	U14MT709	HARIHARAN.D

M. S. S. S.



**Department of Aeronautical Engineering**

**Value Added Course**

**Course on Surveillance Robot**

**Objective :**

This course involves you to build multiple projects and helps you develop a good understanding of Android (Microcontrollers) practically. After completion of the course you will learn: Robots Applications, Sensors Importance, Robot's locomotion, Working of DC motors & motor driver circuit

Raspberry Pi Architecture and its Programming, Input/output interface and Importance of Micro Electro

Course Co-ordinator: Mr. Syedhaleem

**COURSE LAYOUT**

SNO	Date	Course Content	Duration	Instructor
1	26.09.2017	Introduction to Robotics, Types of Robot and its applications.	3 Hour	Mr Vinoth Kumar Assistant Professor Department of Mechanical Engineering-VELS University
2	30.09.2017 (FN)	Robot kinematics, Control scheme- Sensors and its Importance in Surveillance Robots, Image	3 Hour	Mr Jayakanth Assistant Professor Department of Mechatronics-VELS University
3	30.09.2017 (AN)	Build your Computer using Raspberry Pi-What is Raspberry Pi, Raspberry Pi Board, Powering Raspberry Pi, Installing OS on your Raspberry Pi, Raspberry Pi – Formatting SD Card, Raspberry	3 Hour	Mr. Ruben Assistant Professor Department of Mechatronics VELS University
4	07.10.2017 (FN)	Remote Desktop Connection- Internet Sharing From PC to Raspberry Pi, Power up the Raspberry Pi, Raspberry Pi – Setup SSH connection using Putty, Enable the Raspberry Pi to access the Internet, Access the	3 Hour	Mr. Ruben Assistant Professor Department of Mechatronics VELS University
5	07.10.2017 (AN)	Make your Surveillance Robot Move-Final Connections for the Surveillance Robot, Python Programming – An Introduction, Blink LED using	3 Hour	Mr Deepak Assistant Professor Department of ECE Mohammad Sathak college of Engineering

6	14.10.2017 (FN)	Computer Vision – Concepts, Basics, Installation of Python 3 in Windows, Installation of Open CV & Other Packages for Image Processing, Setting up the Working Directory for OpenCV, Read an Image using Open CV, Save Image using waitKey Function in Open CV.	3 Hour	Mr Jayakanth Assistant Professor Department of Mechatronics-VELS University
7	14.10.2017 (AN)	Computer Vision – Basic Concepts of an Image, Computer Vision – Concepts, Basic Operations.	3 Hour	Mr Jayakanth Assistant Professor Department of Mechatronics-VELS University
8	21.10.2017 (FN)	Stream video over wifi- Stream Live Video using Raspberry Pi over Wi-Fi, Installation of Open CV in Raspberry Pi, Live Stream Video over Wi-Fi using Raspberry	3 Hour	Mr Bharath Kumar, Assistant Professor Mohammad Sathak college of Engineering
9	21.10.2017 (AN)	Programming Logic for the Surveillance Robot, Program for the Video Surveillance Robot.	3 Hour	Mr Nathan Oli Assistant Professor Madha Engineering College
10	28.10.2017 (FN)	Future of Robotics- Micro Electro-Mechanical Systems	3 Hour	Mr Nathan Oli Assistant Professor Madha Engineering College

#### BOOKS AND REFERENCES

1	INTRODUCTION TO ROBOTICS: author: S Sana Publisher: McGraw Hill Education India Pvt Ltd
2	Introduction to Autonomous Mobile Robots 2e (Intelligent Robotics) Author: Roland Siegwart, Illah R. Nourbakhsh, Davide Scaramuzza
3	Programming the Raspberry Pi, 2nd Edition: Getting Started with Python-Simon Monk
4	Exploring Raspberry Pi: Interfacing Real World with Embedded Linux-Willey
5	Micro Electro Mechanical Systems(MEMS)-Thiyagarajan
6	Micro Electro Mechanical Systems(MEMS)Zheng Yun Man





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

Department of Aeronautical Engineering

## Certificate of Participation

This acknowledges that

**EVELIN JUGI.R**  
**U14CS049**

Has undertaken 30 hours course on "COURSE ON SURVEILLANCE ROBOT"  
Organized by DEPARTMENT OF AERONAUTICAL ENGINEERING, BIHER FROM 26.09.2017  
TO 28.10.2017.

MR.SYEDHALEM, PROGRAM  
COORDINATOR

HOD/AERO



**Shri Chhatrapati Shivaji Maharaj**  
INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
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Department of Aeronautical Engineering

# Certificate of Participation

This acknowledges that

**DASARI RUFUS**  
U15AE010

Has undertaken 30 hours course on "COURSE ON SURVEILLANCE ROBOT"  
Organized by DEPARTMENT OF AERONAUTICAL ENGINEERING, BIHER FROM 26.09.2017  
TO 28.10.2017.

MR.SYEDHALEM, PROGRAM  
COORDINATOR

HOD/AERO

# Participant Feedback Form

(On course completion)

Date 28/10/2017

Course COURSE ON SURVEILLANCE ROBOT

Student Name (optional) SRINIVASAN S

Student ID (optional) UI7EC138

**a) Helpful and knowledgeable staff:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**b) Staff friendliness:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**c) Ease of registration:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

2. Is there anything we can improve with our registration process?

.....

## B. The Training Facility

3. How satisfied were you with the training facility on the follow

**a) Cleanliness of facility:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**b) Comfort of training room:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

4. Is there anything we can improve with any of the above?

.....

# Participant Feedback Form

(On course completion)

Date 28/10/2017.....

Course Course on Surveillance Robot.....

Student Name (optional) Manishraj L.....

Student ID (optional) V14C5051.....

**a) Helpful and knowledgeable staff:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**b) Staff friendliness:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**c) Ease of registration:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

2. Is there anything we can improve with our registration process?

.....

## B. The Training Facility

3. How satisfied were you with the training facility on the follow

**a) Cleanliness of facility:**

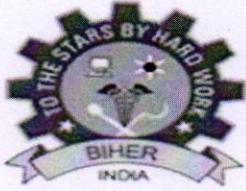
Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

**b) Comfort of training room:**

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

4. Is there anything we can improve with any of the above?

We need more practical session.....



# **Bharath**

**INSTITUTE OF HIGHER EDUCATION AND RESEARCH**  
(Declared as Deemed-to-be-University under section 3 of UGC Act 1956)  
**BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY**  
**DEPARTMENT OF AERONAUTICAL ENGINEERING**

**Department of Aeronautical Engineering**  
**Value Added Course**

**Course on Surveillance Robot**



**Our Instructor” Mr Vinoth Kumar Assistant Professor Department of Mechanical Engineering-VELS University” is Handling the session to our registered participants on Robotics**