



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

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

SCHOOL OF ARTS


Date : 03.6.2019

CIRCULAR

Sub: Organising Value added Course: Certificate Course on 3D Animation- reg.,

With reference to the above mentioned subject, we bring it to your notice that School of Arts, Bharath Institute of Higher Education & Research is organising **Value added course** "Certificate Course on 3D Animation". The syllabus and registration form is enclosed below.

The candidates those who are interested to join must fill the registration form and submit to the Convenor, School of Arts on or before 18.06.2019. The Registration form received after the mentioned date shall not be entertained under any circumstances.


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

Encl: A copy of Syllabus & Registration form

Copy To:

- 1.All HODs
- 2.Office File/ Notice Board

Bharath Institute of Higher Education & Research
Faculty of Arts & Science
Department of Computer Science and Computer Applications
Students Registration List
Value Added Course: 3D Animation

S.NO	REG.NO	NAME OF THE CANDIDATE	DEPARTMENT
1	U18CA070	SHEEBAKRAJ J	BCA
2	U18CA071	RAMADAS PRABHAKARAN R M	BCA
3	U18CA072	SHREYA SINHA .	BCA
4	U18CA073	PARIDHI SINHA .	BCA
5	U19CA049	NIKETHAN RAJ	BCA
6	U19CA050	KARTHIK	BCA
7	U19CA051	YUKESH	BCA
8	U19CA052	NAVEEN	BCA
9	U19CA053	SUNIL KUMAR	BCA
10	U19CA054	POOJA	BCA
11	U19SC108	ADHIMANNAN N	CS
12	U19SC109	VASANTHKUMAR R	CS
13	U19SC110	SELVA KUMAR R	CS
14	U19SC111	RAMYA V	CS
15	U19SC112	INDRAN K	CS
16	U19SC113	VAITHEESHWARI S	CS
17	U19SC114	MARYMADHA R	CS
18	U17PS005	BALAJI R	PHYSICS
19	U17PS006	MEGALA M	PHYSICS
20	U17PS014	MADESH M	PHYSICS
21	U18BC080	BHARATH M M	B.Com
22	U18BC088	GOKUL M M	B.Com
23	U18BC092	SAKTHIKUMAR K K	B.Com
24	U18BC096	BISWAJIT MALIK .	B.Com
25	U18BC100	SOWMIYA V V	B.Com
26	U18BC151	JAYARAJ S S	B.Com
27	U18BE016	ARUNMOZHIVARMAA J	ENGLISH
28	U18BE018	BHARATH R	ENGLISH
29	U18BE021	SHAMERABEE N	ENGLISH
30	U18BE023	SUDHA M	ENGLISH
31	U18BE024	AKASH B	ENGLISH
32	U18BE025	RAMYA P	ENGLISH
33	U18BE026	SANTHOSH K	ENGLISH
34	U18BE028	SANMUGAPRIYAA S	ENGLISH
35	U18BE029	NISHA C	ENGLISH
36	U17MI006	MONISHA R	MICRO
37	U17MI010	SHABANA YASMEEN A	MICRO
38	U17MA018	MONISHA S	MATHS
39	U17MA019	DEEPAKRAJ M	MATHS
40	U17MA022	DHIVYA V	MATHS
41	U17MA023	KALAIVANI R	MATHS
42	U17CI003	SATHIYA PRIYA S	CHEM
43	U17CI015	SETHURAMAN R	CHEM
44	U17CI019	MUKUNDA KUMAR D	CHEM
45	U17CI020	GOWTHAM D	CHEM



Shreevath

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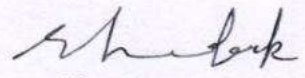
Department of Computer Science and Computer Applications

Registration Form

Value Added Course

Date: 18/6/2019

Name : Sheebak Raj . J
Reg.No. : U18CA070
Gender : Male
Department : Computer Applications - BCA
Year : 2018
Contact No. : 9962372412
Email ID : sheebak70@gmail.com
Course Applied For : 3D Animation


Signature



Sharath

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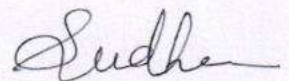
Department of Computer Science and Computer Applications

Registration Form

Value Added Course

Date: 18/6/2019

Name : Sudha . M
Reg.No. : U18BE023
Gender : Female
Department : B.A. English
Year : 2018
Contact No. : 7338920736
Email ID : sudha16051998@gmail.com
Course Applied For : 3D Animation


Signature



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SCHOOL OF ARTS

Department of Computer Science and Computer Applications

Value Added Course

3D Animation

Syllabus

MODULE 1

Introduction to 3D animation, its uses and scope, 3D production pipeline, various 3D softwares-Different file types used in 3D animation and their applications- Basic skills for handling the selected software like transforming objects, object properties, hierarchies, pivots, etc.

MODULE 2

Modeling techniques like Spline, NURBS, Polygon and SubD- Various tools and their applications, Detailed modeling of furniture, instruments, character props, etc.

MODULE 3

Shaders and Materials, 2D and 3D textures, Texturing with HDR images, Different Types of Material Creation, Normal and Artificial Lighting – 1 Point, 2 Point, 3 Point Lighting In 3D Space, Common Light Attributes, Shadows and its attributes.

MODULE 4

Introduction to Animation, Key frame creation, Animation curves - Animating through paths, Application of basic animation principles: Squash & Stretch – Timing & Spacing – Anticipation – Slow-In & SlowOut. 3D Cameras, Creating Camera movements.

MODULE 5

Exterior Modeling: - Environments- Buildings, Hills, City Etc. - Interior Modeling: - Architectural / Industrial Structures - Exterior Lighting – Interior Lighting, Rendering basics, Global illumination, Final gather.

Bharath Institute of Higher Education & Research
Faculty of Arts & Science
Department of Computer Science and Computer Applications
Course TimeTable

Value Added Course: Certificate Course on 3D Animation

Course Duration:30 Hrs

S.No	Date	Time	Hour
1	18/6/2019	2.00-3.00p.m	1
2	20/6/2019	10.00-12.00p.m	1
3	22/6/2019	2.00-3.00p.m	2
4	25/6/2019	10.00-12.00p.m	2
5	28/6/2019	2.00-4.00p.m	2
6	1/7/2019	10.00-12.00p.m	1
7	4/7/2019	2.00-4.00p.m	2
8	10/7/2019	10.00-12.00p.m	2
9	12/7/2019	2.00-4.00p.m	1
10	16/7/2019	10.00-12.00p.m	2
11	19/7/2019	2.00-4.00p.m	2
12	2/8/2019	10.00-12.00p.m	2
13	7/8/2019	2.00-4.00p.m	2
14	13/8/2019	10.00-12.00p.m	2
15	21/8/2019	2.00-4.00p.m	2
16	28/8/2019	10.00-12.00p.m	2
17	30/8/2019	10.00-12.00p.m	2

Bharath Institute of Higher Education & Research
Faculty of Arts & Science
Department of Computer Science and Computer Applications
Lesson Plan

Value Added Course: Certificate Course on 3D Animation			Course Duration:30 Hrs	
S.No	Date	Topic	Time	Hour
1	18/6/2019	Introduction to 3D animation, its uses and scope	2.00-3.00p.m	1
2	20/6/2019	3D production pipeline, various 3D softwares	10.00-12.00p.m	1
3	22/6/2019	Different file types used in 3D animation and their applications	2.00-3.00p.m	2
4	25/6/2019	Basic skills for handling the selected software like transforming objects, object properties, hierarchies, pivots, etc.	10.00-12.00p.m	2
5	28/6/2019	Modeling techniques like Spline	2.00-4.00p.m	2
6	1/7/2019	NURBS	10.00-12.00p.m	1
7	4/7/2019	Polygon and SubD- Various tools and their applications	2.00-4.00p.m	2
8	10/7/2019	Detailed modeling of furniture, instruments, character props, etc	10.00-12.00p.m	2
9	12/7/2019	Shaders and Materials, 2D and 3D textures,Texturing with HDR	2.00-4.00p.m	1
10	16/7/2019	Different Types of Material Creation, Normal and Artificial Lighting – 1 Point, 2 Point, 3 Point Lighting In 3D Space	10.00-12.00p.m	2
11	19/7/2019	Common Light Attributes, Shadows and its attributes.	2.00-4.00p.m	2
12	2/8/2019	Introduction to Animation, Key frame creation, Animation curves	10.00-12.00p.m	2
13	7/8/2019	Animating through paths, Application of basic animation principles	2.00-4.00p.m	2
14	13/8/2019	Timing & Spacing – Anticipation,Slow-In & SlowOut.3D Cameras, Creating Camera movements	10.00-12.00p.m	2
15	21/8/2019	Exterior Modeling: - Environments- Buildings, Hills, City Etc. - Interior Modeling	2.00-4.00p.m	2
16	28/8/2019	Architectural / Industrial Structures - Exterior Lighting	10.00-12.00p.m	2
17	30/8/2019	Interior Lighting, Rendering basics,Global illumination, Final gather.	10.00-12.00p.m	2



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Department of Computer Science and Computer Applications

Course Feedback form

Value Added Course

Date: 30/8/2019

Course Title: 3D Animation

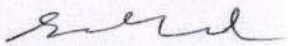
Name: R. selvakumar

RegNo: VIQSC110

Department: B.Sc CCS

S.No	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very Satisfied)						
1.	Ojectives of the course clear to you				✓	
2.	Course contents met with your expectations					✓
3.	Lecture sequence was well planned				✓	
4.	Lectures were clear and easy to understand				✓	
5.	Teaching aids were effective					✓
6.	Instructors encourage interaction and were helpful					✓
7.	The level of the course				✓	
(1. Very poor 2. Poor 3. Average 4. Good 5. Excellent)						
8.	Overall rating of the course:	1	2	3	4	5

Please give Suggestion for the improvement of the course:


Signature



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FACULTY OF ARTS AND SCIENCE

Department of Computer Science and Computer Applications

Course Feedback form

Value Added Course

Date: 30/8/2019

Course Title: 3D Animation

Name: Monisha . R

RegNo: U17MI006

Department: B.Sc (Micro)

S.No	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very Satisfied)						
1.	Ojectives of the course clear to you				✓	
2.	Course contents met with your expectations					✓
3.	Lecture sequence was well planned				✓	
4.	Lectures were clear and easy to understand				✓	
5.	Teaching aids were effective					✓
6.	Instructors encourage interaction and were helpful				✓	
7.	The level of the course					✓
(1. Very poor 2. Poor 3. Average 4. Good 5. Excellent)						
8.	Overall rating of the course:	1	2	3	4	5

Please give Suggestion for the improvement of the course:

Meresh
Signature



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Bharath Institute of Science and Technology

83,3,Agharam Main Road, Secretariat Colony, Tiruvanchery, Selaiyur, Chennai - 600126,Tamil Nadu, India.

School of Arts

Certificate of Participation

This certificate is awarded to Mr./ Ms. SHEEBAKRAJ J (U18CA070) for enthusiastic participation and completion of the Value Added Course on 3D Animation, organized by the School of Arts on 18.06.2019 to 30.08.2019.


Convenor


Dean - Arts & Science



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SCHOOL OF ARTS



Resource Person Details

Dr.S.Illamaran
Associate Professor
M,S University
Thirunelveli