

VAC003	Computer Graphics - 3D Studio Max
Contact Hours	40 Hours
Prerequisite	Nil

Course Description

This course introduces students to the fundamentals of computer graphics and provides hands-on experience with the popular 3D modeling and animation software, 3D Studio Max. Through a combination of theoretical concepts and practical exercises, students will learn how to create visually appealing 3D models, animations, and visual effects. The course covers topics such as modeling, texturing, lighting, animation, and rendering, enabling students to develop the skills necessary to produce high-quality computer-generated imagery.

Course Objectives

1. Define computer graphics and its applications in various industries.
2. Explain the principles of 3D modeling and animation.
3. Create and manage projects, scenes, and objects.
4. Develop complex 3D models using polygonal, spline, and subdivision surface modelling.
5. Apply textures and materials to 3D models to enhance realism.
6. Configure render settings to produce high-quality images and animations.
7. Compose visually appealing scenes by arranging objects and cameras.
8. Plan and execute a complete 3D project from concept to final rendering.

Course Content

Module I: Introduction to 3D Studio Max

4 hours

- Overview of 3D Studio Max software and its capabilities.
- User interface and navigation in the 3D workspace.
- Setting up projects and preferences for efficient workflow.

Module II: 3D Modeling Fundamentals

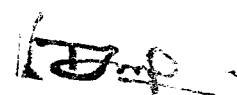
4 hours

- Understanding 3D modeling concepts (vertices, edges, polygons).
- Creating basic 3D objects (e.g., boxes, spheres, cylinders).
- Working with modifiers for object transformation and editing.

Module III: Advanced 3D Modeling Techniques

4 hours

- Polygonal and subdivision surface modelling.
- Creating organic shapes and characters.
- Using spline-based modeling for precision.



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Module IV: Texturing and UV Mapping**4 hours**

- Applying textures and materials to 3D objects.
- Working with UV mapping for accurate texture placement.
- Utilizing procedural textures for efficient material creation.

Module V: Lighting and Rendering**4 hours**

- Adding lights to a 3D scene for realistic illumination.
- Adjusting lighting parameters and shadows.
- Rendering settings and output options for high-quality images.

Module VI: Animation**4 hours**

- Introduction to keyframe animation.
- Creating and managing animation controllers.
- Animating object transformations and camera movement.
- Rigging and skinning techniques for character animation.
- Creating and controlling biped and CAT rigs.
- Animating walk cycles, expressions, and gestures.

Module VII: Particle Systems and Dynamics**4 hours**

- Simulating particle effects (e.g., smoke, fire, water).
- Using physics simulations for dynamic animation.
- Integrating particle systems into a 3D scene.

Module VIII: Camera and Cinematography**4 hours**

- Camera setup and composition in 3D Studio Max.
- Creating cinematic camera movements and angles.
- Implementing camera cuts and storytelling techniques.

Module IX: Advanced Rendering and Output**4 hours**

- Utilizing render passes and render elements.
- Post-processing and compositing in external software.
- Output formats and optimizing render settings.

Module X: Special Effects and Visualizations**4 hours**

- Creating special effects and motion graphics.
- Architectural and product visualization techniques.
- Exploring virtual reality (VR) and augmented reality (AR) projects.

Practicum (Project Work and Portfolio Development)

1. Undertaking a 3D Studio Max project from concept to completion.
2. Assembling a professional portfolio of 3D artwork and animations.
3. Presenting and showcasing final projects.



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Textbooks

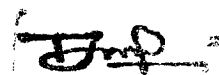
Hughes, J. F., & van Dam, A. (2013). *Computer Graphics: Principles and Practice (3rd ed.)*. Pearson.

Kerlow, I. E. (2010). *The Art of 3D Computer Animation and Effects (4th ed.)*. Wiley.

Reference Books

Bonney, T. (2018). *3Ds Max Modeling for Games: Insider's Guide to Game Character, Vehicle, and Environment Modeling (2nd ed.)*. CRC Press.

	Evaluation Component	Weightage (%)
1	Project	20
2	Portfolio	20
3	Attendance	10
4	End Term Examination	50



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K.R. MANGALAM UNIVERSITY
E D U C A T I O N F O R L I F E
(Recognized by UGC and a member of AIU)

Ref.No.:KRMU/Admin./Notice/2018-19/309(B)

Dated: 3rd August, 2018

NOTICE

This is to put for information that School of Engineering & Technology is offering Value-Added Course (VAC) for all interested students during ODD Semester as per the following specifications.

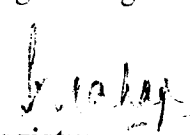
Course Code	Course Title	Coordinating Department / School	Duration
VAC003	Computer Graphics - 3D Studio Max	SOET	30 Hrs.
VAC013	Excel in Robotics and Technology	SOET	30 Hrs.

Maximum 100 seats are available for the course.

Course Start Date: 03 September 2018

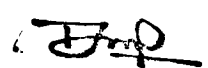
Course End Date: 01 November 2018

All interested students are required to confirm their registration with the Dean-School of Engineering & Technology latest by **23rd August, 2018**.


Registrar

Copy to:

- Vice Chancellor : For kind information
- Dean (Academics Affairs)
- Controller of Examinations
- All Deans/ School Coordinators
- All Faculty Members/ Mentors
- Notice Board
- Office Copy


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ATTENDANCE SHEET
VAC COURSE FOR ACADEMIC YEAR 2018-19
COURSE CODE: VAC003
COURSE TITLE: COMPUTER GRAPHICS- 3D STUDIO MAX

Roll No	NAME	PROGRAMM	SEMESTER	3-Sep-18	4-Sep-18	5-Sep-18	6-Sep-18	7-Sep-18	8-Sep-18	11-Sep-18	13-Sep-18
1801010009	DIVISHA JAIN	B.Tech CSE	Semester I	P	P	P	P	A	P	P	P
1801010011	HARSHITA SINGH	B.Tech CSE	Semester I	P	P	P	P	P	P	P	P
1801010015	KRITIKA GARG	B.Tech CSE	Semester I	P	P	P	P	P	P	P	P
1801010028	SONAL WADHWA	B.Tech CSE	Semester I	P	P	P	P	P	P	P	P
1801010044	SARVESH	B.Tech CSE	Semester I	P	P	P	P	P	P	P	P
1801010045	VIKAS SHARMA	B.Tech CSE	Semester I	P	P	P	P	P	P	P	P
1801010047	JAI TEWATIA	B.Tech CSE	Semester I	P	P	P	P	P	P	P	P
1801010047	JAI TEWATIA	B.Tech CSE	Semester I	P	P	P	P	P	P	P	P
1801010049	PRATYUSH MOHAN	B.Tech CSE	Semester I	P	P	P	P	P	P	P	P
1801010051	RAJ HARGU	B.Tech CSE	Semester I	P	P	P	P	P	P	P	P
1801020001	ABHINAV WADHWA	B.Tech ME	Semester I	P	P	P	P	P	P	P	P
1801020005	SARTHAK CHAUDHARY	B.Tech ME	Semester I	P	P	P	P	P	P	P	P
1801020005	ANSHU	B.Tech ME	Semester I	P	P	P	P	P	P	P	P
1801020005	SHIV KUMAR MANDAL	B.Tech ME	Semester I	P	P	P	P	P	P	P	P
1802080014	ANUJ KAUL	BBA	Semester I	P	P	P	P	P	P	P	P
1802080017	ATUL AKASH	BBA	Semester I	P	P	P	P	P	P	P	P
1802080024	HARSH CHOUDHARY	BBA	Semester I	P	P	P	P	P	P	P	P
1802080032	KARTIK JAIN	BBA	Semester I	P	P	P	P	P	P	P	P
1802080044	PARV SAINI	BBA	Semester I	P	P	P	P	P	P	P	P
1802080057	SAHIL THAKRAN	BBA	Semester I	P	P	P	P	P	P	P	P
1802570013	SHIVANI PUNJ	MBA	Semester I	P	P	P	P	P	P	P	P
1802570016	SUSHANT AGRAWAL	MBA	Semester I	P	P	P	P	P	P	P	P
1802570032	ARJUN Singh	MBA	Semester I	P	P	P	P	P	P	P	P
1803110003	GOURAV KUMAR SINGH	B.Sc (H) Math	Semester I	P	P	P	P	P	P	P	P

Signature of Registrar
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103

Registrar
K.R. Mangalam University Gurugram (Haryana)
Sohna Road, Gurugram, (Haryana)

COURSE INCHARGE



ATTENDANCE SHEET
VAC COURSE FOR ACADEMIC YEAR 2018-19
COURSE CODE: VAC003
COURSE TITLE: COMPUTER GRAPHICS- 3D STUDIO MAX

Roll No	NAME	14-Sep-18	17-Sep-18	18-Sep-18	20-Sep-18	22-Sep-18	24-Sep-18	26-Sep-18	28-Sep-18	1-Oct-18	3-Oct-18
1801010009	DIVISHA JAIN	P	P	A	P	A	P	P	P	A	P
1801010011	HARSHITA SINGH	P	P	P	P	P	P	P	P	P	A
1801010015	KRITIKA GARG	P	P	P	P	P	P	P	P	P	P
1801010038	SONAL WADHWA	P	P	A	P	A	P	P	P	P	A
1801010044	SARVESH	P	P	P	P	P	P	P	P	P	P
1801010045	VIKAS SHARMA	P	P	P	A	P	P	P	P	P	P
1801010047	JAI TEWATIA	P	P	P	P	A	P	P	P	P	A
1801010047	JAI TEWATIA	P	P	P	P	A	P	P	P	P	A
1801010049	PRATYUSH MOHAN	P	P	P	P	P	P	P	P	P	P
1801010051	RAJ HARSH	P	P	P	P	A	P	P	A	P	P
1801020001	ABHINAV WADHWA	P	P	P	P	P	P	P	A	P	P
1801020005	SARTHAK CHAUDHARY	P	P	P	P	P	P	P	A	P	P
1801020006	NFHA	A	P	P	P	P	P	P	P	P	P
1801020011	SIDDHARTH DANG	P	P	A	P	P	P	P	P	P	P
1801021013	SHIV KUMAR MANDAL	P	A	P	A	P	P	P	P	P	P
1802080014	ANUJ KAUL	P	P	P	P	A	P	P	P	P	P
1802080017	ATUL AKASH	A	P	P	P	P	P	P	P	P	P
1802080024	HARSH CHOUDHARY	A	P	P	P	P	A	P	P	P	A
1802080032	KARTIK JAIN	P	P	P	A	P	P	P	P	P	P
1802080044	PARV SAINI	P	P	P	P	P	P	P	A	P	P
1802080057	SAHIL THAKRAN	P	P	P	P	P	P	P	P	P	P
1802570013	SHIVANI PUNJ	A	A	P	P	P	P	P	P	P	P
1802570016	SUSHANT AGRAWAL	A	P	P	P	P	P	P	P	P	P
1802570032	ARJUN Singh	P	P	A	P	P	P	A	P	P	P
1803110003	GOURAV KUMAR SINGH	P	A	P	P	P	P	P	P	P	P

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ATTENDANCE SHEET
VAC COURSE FOR ACADEMIC YEAR 2018-19
COURSE CODE: VAC003
COURSE TITLE: COMPUTER GRAPHICS- 3D STUDIO MAX

Roll No	NAME	4-Oct-18	8-Oct-18	9-Oct-18	10-Oct-18	11-Oct-18	13-Oct-18	15-Oct-18	16-Oct-18	17-Oct-18	19-Oct-18
1801010009	DIVISHA JAIN	P	A	P	P	A	P	P	A	P	P
1801010011	HARSHITA SINGH	P	P	P	P	A	P	P	P	A	P
1801010015	KRITIKA GARG	P	P	P	A	P	P	P	P	P	P
1801010028	SONAL WADHWA	P	P	A	P	P	P	A	P	P	P
1801010044	SARVESH	P	A	P	P	P	P	P	P	P	P
1801010045	VIKAS SHARMA	P	P	P	P	P	A	P	P	A	P
1801010047	JAI TEWATIA	P	P	P	A	P	P	P	P	P	P
1801010047	JAI TEWATIA	P	P	P	P	P	P	P	P	P	P
1801010049	PRATYUSH MOHAN	P	P	P	P	P	P	P	P	P	P
1801010051	RAJ HARSH	P	P	A	P	A	P	P	P	P	P
1801020001	ABHINAV WADHWA	A	P	P	P	A	P	P	P	P	P
1801020005	SARTHA CHAUDHARY	P	P	P	P	P	P	A	P	P	P
1801020008	NEHA	A	P	P	P	P	P	P	P	P	P
1801020011	SIDDHARTH DANG	P	P	A	P	P	P	P	P	P	P
1801020013	SHIV KUMAR MANDAL	P	P	P	P	A	P	P	P	P	P
1802080014	ANUJ KAUL	P	A	A	P	P	A	P	P	P	P
1802080017	ATUL AKASH	P	P	A	P	P	P	P	P	P	P
1802080024	HARSH CHOUDHARY	P	P	P	A	P	P	P	P	A	P
1802080032	KARTIK JAIN	P	P	A	A	P	P	A	P	P	P
1802080044	PARV SAINI	A	P	P	P	A	P	P	P	P	P
1802080057	SAHIL THAKRAN	P	P	P	P	P	P	A	P	P	P
1802570013	SHIVANI PUNJ	P	P	P	P	P	P	P	P	P	P
1802570016	SUSHANT AGRAWAL	A	P	P	P	P	P	P	P	P	P
1802570032	ARJUN Singh	P	P	A	P	P	P	P	P	P	P
1803110003	GOURAV KUMAR SINGH	P	P	P	P	A	P	P	P	P	P

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COURSE IN CHARGE

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ATTENDANCE SHEET

VAC COURSE FOR ACADEMIC YEAR 2018-19

COURSE CODE: VAC003

COURSE TITLE: COMPUTER GRAPHICS- 3D STUDIA MAX

Roll No	NAME	22-Oct-18	24-Oct-18	26-Oct-18	29-Oct-18	30-Oct-18	1-Nov-18	Total	Present	Percentage
1801010009	DIVISHA JAIN	P	P	P	P	P	P	34	27	79.41
1801010011	HARSHITA S NGH	A	P	P	A	P	P	34	29	85.29
1801010015	KRITIKA GARG	P	P	P	A	P	P	34	32	94.12
1801010018	SONAL WADHWA	P	P	P	A	P	P	34	38	82.35
1801010044	SARVESH	P	A	P	A	P	P	34	31	91.18
1801010045	VIKAS SHARMA	P	P	P	A	P	P	34	30	88.24
1801010047	JAI TEWATIA	P	P	P	A	P	P	34	30	88.24
1801010047	JAI TEWATIA	A	P	P	A	P	P	34	29	85.29
1801010049	PRATYUSH MOHAN	P	A	P	A	P	P	34	31	91.18
1801010051	RAJ HARSH	A	P	P	P	A	P	34	27	79.41
1801020041	ABHINAV WADHWA	P	A	P	P	P	P	34	30	88.24
1801020005	SARTHA CHAUDHARY	P	P	P	P	A	P	34	32	94.12
1801020008	NEHA	P	P	P	P	P	P	34	31	91.18
1801020011	SIDDHARTH DANG	P	P	P	P	A	P	34	28	82.35
1801021013	SHIV KUMAR MANDAL	P	P	A	P	P	P	34	29	85.29
1802080014	ANUJ KAUL	P	P	P	P	A	P	34	27	79.41
1802080017	ATUL AKASH	P	A	P	P	P	P	34	28	82.35
1802080024	HARSH CHOJDHARY	P	P	P	A	P	P	34	26	76.47
1802080032	KARTIK JAIN	P	A	P	P	P	P	34	26	76.47
1802080044	PARV SAINI	P	A	P	P	P	P	34	30	88.24
1802080057	SAHIL THAKRAN	P	P	P	P	P	P	34	32	94.12
1802570013	SHIVANI PUNJ	P	P	P	P	A	P	34	31	91.18
1802570016	SUSHANT AGRAWAL	P	P	P	P	P	P	34	31	91.18
1802570032	ARIJUN Singh	P	P	P	P	A	P	34	28	82.35
1803110003	GOURAV KUMAR SINGH	P	P	A	P	P	P	34	29	85.29

COURSE INCHARGE



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VALUE ADDED COURSE (VAC)
ACADEMIC YEAR 2018-19
COURSE CODE: VAC003

COURSE TITLE: COMPUTER GRAPHICS- 3D STUDIA MAX
COURSE OFFERED BY: SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
LIST OF STUDENTS COMPLETING THE COURSE

S.NO	SESSION	ROLL NO	NAME	PROGRAMME	SEMESTER	COURSE CODE	COURSE TITLE	SCHOOL
1	2018-19	1801010009	DIVISHA JAIN	B.Tech CSE	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
2	2018-19	1801010011	HARSHITA SINGH	B.Tech CSE	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
3	2018-19	1801010015	KRITIKA GARG	B.Tech CSE	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
4	2018-19	1801010038	SONAL WADHWA	B.Tech CSE	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
5	2018-19	1801010044	SARVESH	B.Tech CSE	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
6	2018-19	1801010045	VIKAS SHARMA	B.Tech CSE	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
7	2018-19	1801010047	JAI TEWATIA	B.Tech CSE	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
8	2018-19	1801010047	JAI TEWATIA	B.Tech CSE	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
9	2018-19	1801010049	PRATYUSH MOHAN	B.Tech CSE	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
10	2018-19	1801010051	RAJ HARSH	B.Tech CSE	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
11	2018-19	1801020001	ABHINAV WADHWA	B.Tech ME	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
12	2018-19	1801020005	SARTHAK CHAUDHARY	B.Tech ME	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
13	2018-19	1801020008	NEHA	B.Tech ME	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
14	2018-19	1801020011	SIDDHARTH DANG	B.Tech ME	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
15	2018-19	1801021013	SHIV KUMAR MANDAL	B.Tech ME	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
16	2018-19	1802080014	ANUJ KAUL	BBA	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
17	2018-19	1802080017	ATUL AKASH	BBA	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
18	2018-19	1802080024	HARSH CHOUDHARY	BBA	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
19	2018-19	1802080032	KARTIK JAIN	BBA	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
20	2018-19	1802080044	PARV SAINI	BBA	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
21	2018-19	1802080057	SAHIL THAKRAN	BBA	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
22	2018-19	1802570013	SHIVANI PUNJ	MBA	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
23	2018-19	1802570016	SUSHANT AGRAWAL	MBA	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
24	2018-19	1802570032	ARIJUN Singh	MBA	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
25	2018-19	1803110003	GOURAV KUMAR SINGH	B.Sc (H) Math	Semester I	VAC003	COMPUTER GRAPHICS- 3D STUDIA MAX	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)

[Signature]



K. R. MANGALAM UNIVERSITY

THE COMPLETE WORLD OF EDUCATION

CERTIFICATE OF COMPLETION

This is to certify that **DIVISHA JAIN**, University Enrolment No **1801010009** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC003** (**Computer Graphics- 3D Studio Max**) during Academic Session **2018-19**(**Odd Semester**).

Date:20.01.2019

hahajan

Controller of Examination

Registrar

K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)



K. R. MANGALAM UNIVERSITY

THE COMPLETE WORLD OF EDUCATION

CERTIFICATE OF COMPLETION

This is to certify that **HARSHITA SINGH**, University Enrolment No **1801010011** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC003** (Computer Graphics- 3D Studio Max) during Academic Session **2018-19**(Odd Semester).

Date:20.01.2019

hachajan

Controller of Examination

Dr. J. P.

Registrar

K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)



K. R. MANGALAM UNIVERSITY

THE COMPLETE WORLD OF EDUCATION

CERTIFICATE OF COMPLETION

This is to certify that **KRITIKA GARG**, University Enrolment No **1801010015** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC003** (**Computer Graphics- 3D Studio Max**) during Academic Session **2018-19**(**Odd Semester**).

Date:20.01.2019

hachajan

Controller of Examination

Registrar

K.R. Mangalam University
Sohna Road, Gurgaon, (Haryana)



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CERTIFICATE OF COMPLETION

This is to certify that **SONAL WADHWA**, University Enrolment No **1801010038** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC003** (**Computer Graphics- 3D Studio Max**) during Academic Session **2018-19**(**Odd Semester**).

Date:20.01.2019

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This is to certify that **SARVESH**, University Enrolment No **1801010044** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC003 (Computer Graphics- 3D Studio Max)** during Academic Session **2018-19(Odd Semester)**.

Date:20.01.2019

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This is to certify that **VIKAS SHARMA**, University Enrolment No **1801010045** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC003** (**Computer Graphics- 3D Studio Max**) during Academic Session **2018-19(Odd Semester)**.

Date:20.01.2019

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This is to certify that **JAI TEWATIA**, University Enrolment No **1801010047** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC003** (Computer Graphics- 3D Studio Max) during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

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This is to certify that **JAI TEWATIA**, University Enrolment No **1801010047** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC003** (**Computer Graphics- 3D Studio Max**) during Academic Session **2018-19**(Odd Semester).

Date:20.01.2019

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This is to certify that **PRAITYUSH MOHAN**, University Enrolment No **1801010049** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC003** (Computer Graphics- 3D Studio Max) during Academic Session **2018-19**(Odd Semester).

Date:20.01.2019

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This is to certify that **RAJ HARSH**, University Enrolment No **1801010051** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC003 (Computer Graphics- 3D Studio Max)** during Academic Session **2018-19(Odd Semester)**.

Date:20.01.2019

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This is to certify that **ABHINAV WADHWA**, University Enrolment No **1801020001** of **B.Tech ME** programme has successfully qualified **VALUE ADDED COURSE VAC003** (Computer Graphics- 3D Studio Max) during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

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This is to certify that **SARTHAK CHAUDHARY**, University Enrolment No **18010200005** of **B.Tech ME** programme has successfully qualified **VALUE ADDED COURSE VAC003** (Computer Graphics- 3D Studio Max) during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

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This is to certify that **NEHA**, University Enrolment No **1801020008** of **B.Tech ME** programme has successfully qualified **VALUE ADDED COURSE VAC003 (Computer Graphics- 3D Studio Max)** during Academic Session **2018-19(Odd Semester)**.

Date:20.01.2019

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This is to certify that **SIDDHARTH DANG**, University Enrolment No **1801020011** of **B.Tech ME** programme has successfully qualified **VALUE ADDED COURSE VAC003** (Computer Graphics- 3D Studio Max) during Academic Session **2018-19**(Odd Semester).

Date:20.01.2019

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This is to certify that **SHIV KUMAR MANDAL**, University Enrolment No **1801021013** of **B.Tech ME** programme has successfully qualified **VALUE ADDED COURSE VAC003** (Computer Graphics- 3D Studio Max) during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

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This is to certify that **ANUJ KAUL**, University Enrolment No **1802080014** of **BBA** programme has successfully qualified **VALUE ADDED COURSE VAC003 (Computer Graphics- 3D Studio Max)** during Academic Session **2018-19(Odd Semester)**.

Date:20.01.2019

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This is to certify that **ATUL AKASH**, University Enrolment No **1802080017** of **BBA** programme has successfully qualified **VALUE ADDED COURSE VAC003 (Computer Graphics- 3D Studio Max)** during Academic Session **2018-19(Odd Semester)**.

Date:20.01.2019

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This is to certify that **HARSH CHOUDHARY**, University Enrolment No **1802080024** of **BBA** programme has successfully qualified **VALUE ADDED COURSE VAC003** (**Computer Graphics- 3D Studio Max**) during Academic Session **2018-19(Odd Semester)**.

Date:20.01.2019

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This is to certify that **KARTIK JAIN**, University Enrolment No **1802080032** of **BBA** programme has successfully qualified **VALUE ADDED COURSE VAC003 (Computer Graphics- 3D Studio Max)** during Academic Session **2018-19(Odd Semester)**.

Date:20.01.2019

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This is to certify that **PARV SAINI**, University Enrolment No **1802080044** of **BBA** programme has successfully qualified **VALUE ADDED COURSE VAC003 (Computer Graphics- 3D Studio Max)** during Academic Session **2018-19(Odd Semester)**.

Date:20.01.2019

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This is to certify that **SAHIL THAKRAN**, University Enrolment No **1802080057** of **BBA** programme has successfully qualified **VALUE ADDED COURSE VAC003 (Computer Graphics- 3D Studio Max)** during Academic Session **2018-19(Odd Semester)**.

Date:20.01.2019

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This is to certify that **SHIVANI PUNJ**, University Enrolment No **1802570013** of **MBA** programme has successfully qualified **VALUE ADDED COURSE VAC003 (Computer Graphics- 3D Studio Max)** during Academic Session **2018-19(Odd Semester)**.

Date:20.01.2019

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K.R. Mangalam University
Sahiba Road, Mangalam (Delhi)



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This is to certify that **SUSHANT AGRAWAL**, University Enrolment No **1802570016** of **MBA** programme has successfully qualified **VALUE ADDED COURSE VAC003** (Computer Graphics- 3D Studio Max) during Academic Session **2018-19**(Odd Semester).

Date:20.01.2019

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This is to certify that **ARJUN Singh**, University Enrolment No **1802570032** of **MBA** programme has successfully qualified **VALUE ADDED COURSE VAC003** (Computer Graphics- 3D Studio Max) during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

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Sector Road, Gurugram, (Haryana)



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This is to certify that **GOURAV KUMAR SINGH**, University Enrolment No **1803110003** of **B.Sc (H) Math** programme has successfully qualified **VALUE ADDED COURSE VAC003** (Computer Graphics- 3D Studio Max) during Academic Session 2018-19(Odd Semester).

Date:20.01.2019

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This is to certify that , University Enrolment No of programme has successfully qualified
VALUE ADDED COURSE VAC003 (Computer Graphics- 3D Studio Max) during
Academic Session 2018-19(Odd Semester).

Date:20.01.2019

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