

VAC069	INNOVATION THROUGH DESIGN THINKING
Contact Hours	30 Hours
Prerequisite	Nil

Course Description

This course on Innovation through Design Thinking is designed to empower participants with the knowledge and skills to approach problem-solving and innovation through a human-centered and design-focused lens. Students will explore the principles of design thinking, practice creative problem-solving, and develop innovative solutions. The course aims to foster a culture of innovation and creativity in various professional and personal contexts.

Course Objectives

Students will be able to:

- Understand the principles and process of design thinking.
- Apply human-centered design methods to identify and address complex problems.
- Generate creative ideas and solutions through ideation techniques.
- Prototype and test innovative concepts to drive meaningful change.
- Develop a user-centric approach to innovation.

Course Outcomes

On completion of this course, students will be able to:

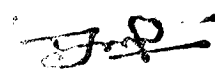
- CO 1: Explain the principles and process of design thinking.
CO 2: Utilize human-centered design methods to define and solve complex problems.
CO 3: Generate and evaluate creative ideas and solutions.
CO 4: Implement a user-centric approach to innovation.

Course Outline

Module 1: Introduction to Design Thinking

5 hours

- What is Design Thinking?
- Historical Perspective of Design Thinking
- Ethical Considerations in Design Thinking
- The Human-Centered Approach



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Chennai, Gurugram (Haryana)

Module 2: Empathize and Design**5 hours**

- Understanding User Needs
- Problem Framing and Definition
- User Research Methods
- Building Empathy for Users

Module 3: Ideate and Brainstorm**5 hours**

- Techniques for Generating Ideas
- Creative Problem-Solving Methods
- Brainstorming and Mind Mapping
- Ideation and Solution Development

Module 4: Implementation and Scaling**5 hours**

- Design Thinking in the Business World
- Change Management and Scaling Innovation
- Measuring the Impact of Innovative Solutions
- Case Studies of Successful Implementation

Module 5: Collaboration and Teamwork**5 hours**

- Multidisciplinary Teams in Design Thinking
- Effective Communication and Collaboration
- Leadership and Roles in Innovation
- Building a Design-Driven Culture

Module 6: Ethical Considerations and Inclusivity**5 hours**

- Ethical Challenges in Design and Innovation
- Inclusivity and Accessibility in Design Thinking
- Responsible Innovation and Sustainability
- Design Thinking for Social Impact

Practicum

The course includes a practicum where students will work on a real-world problem-solving project, engage in user research, ideate solutions, prototype and test concepts, and make a final presentation of innovative solutions.

Textbooks

Brown, T. (2009). Change by Design: How Design Thinking Transforms Organizations and Inspires Innovation. HarperBusiness.

Liedtka, J., King, A., & Bennett, K. (2013). Solving Problems with Design Thinking: Ten Stories of What Works. Columbia Business School Publishing.

Reference Books

Curedale, R. (2013). Design Thinking: Process and Methods Manual. Design Community College Inc.

Kolko, J. (2015). Well-Designed: How to Use Empathy to Create Products People Love. Harvard Business Review Press.

Martin, R. L., & Hanington, B. M. (2012). Universal Methods of Design: 100 Ways to Research Complex Problems, Develop Innovative Ideas, and Design Effective Solutions. Rockport Publishers.

Plattner, H., Meinel, C., & Leifer, L. (Eds.). (2019). Design Thinking Research: Taking Breakthrough Innovation Home (Understanding Innovation). Springer.

	Evaluation Component	Weightage (%)
1	Activities and Assignments	20
2	Project/Presentation	20
3	Attendance	10
4	End Term Examination	50



K.R. MANGALAM UNIVERSITY
EDUCATION FOR LIFE
(Recognized by UGC and a member of AIU)

Ref.No.:KRMU/Admin./Notice/2021-2022/ 2433(A) Dated: 02nd August, 2021

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.

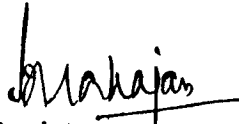
Course Code	Course Title	Coordinating Department / School	Duration
VAC069	Innovation through Design Thinking	SOET	30 Hrs.
VAC072	Applied Cryptography	SOET	30 Hrs.
VAC073	Data Analytics with R	SOET	30 Hrs.
VAC082	ORACLE	SOET	30 Hrs.
VAC083	Internet of Things (IoT)	SOET	30 Hrs.

Maximum 100 seats are available for the course.

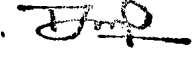
Course Start Date: 08 September 2021

Course End Date: 29 September 2021

All interested students are required to confirm their registration with the Dean-School of Engineering & Technology latest by **24th August, 2021.**


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

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



ATTENDANCE SHEET

VAC COURSE FOR ACADEMIC YEAR 2021-22

COURSE CODE: VAC069

COURSE TITLE: INNOVATION THROUGH DESIGN THINKING

ROLL NO	NAME	PROGRAMME	SEMESTER	8-Sep-21	10-Sep-21	17-Sep-21	22-Sep-21	29-Sep-21	3-Oct-21
2101040001	NAMAN SHRIVASTAVA	B.Tech ECE	Semester I	P	P	P	P	P	P
2108190015	YATIN CHAUDHARY	B.A. (H) Economics	Semester I	A	P	P	A	P	P
2106160001	VARAN GUPTA	B.Arch	Semester I	P	P	P	P	A	P
2101030003	ABHINAV RAJAN	B.Tech EEE	Semester I	P	P	P	P	P	P
2101030002	ABHISHEK SAKLANI	B.Tech EEE	Semester I	A	P	P	P	P	P
2108190002	ANIKET RAMESH SEKHAR	B.A. (H) Economics	Semester I	P	P	P	P	P	P
2106160006	TANISHQ SHARMA	B.Arch	Semester I	P	P	P	P	P	P
2101560013	JERIN VARGHESE	MCA	Semester I	P	P	A	P	P	P
2101560006	NIPUN SRIVASTAVA	MCA	Semester I	P	P	P	P	P	P
2101560014	PRITESH KUMAR	MCA	Semester I	P	P	P	P	P	P
2101560007	SANKALP JHA	MCA	Semester I	P	P	P	P	P	P
2101560003	TANYA MITTAL	MCA	Semester I	A	P	P	P	P	P
2106810010	TUSHAR BOKEN	B Interior Design	Semester I	P	P	P	P	A	P
2106810002	ZEENAT ANSARI	B Interior Design	Semester I	P	P	P	P	P	P
2106810011	PAYEL SARKAR	B Interior Design	Semester I	A	P	P	P	P	P
2106812008	AYAZ AJAJ	B Interior Design	Semester I	P	P	P	P	P	P
2106810018	ARPAN BHARTI	B Interior Design	Semester I	P	P	P	P	P	P
2101010038	YASHIKA GUPTA	B.Tech CSE	Semester I	A	P	P	P	P	P
2101011057	SHIVANSH CHANDRA	B.Tech CSE	Semester I	P	P	P	P	A	P
2101010061	Chandrashekhar Bhati	B.Tech CSE	Semester I	P	P	P	P	P	P
2101010045	PRINCE SIROHI	B.Tech CSE	Semester I	A	P	P	P	P	P
2101010041	SANJANA KUMARI	B.Tech CSE	Semester I	P	P	P	P	P	P
2101010040	UTKARSH SHARMA	B.Tech CSE	Semester I	P	P	P	P	P	P
2101010039	SWETA RAWAT	B.Tech CSE	Semester I	A	P	P	P	P	P
2101010031	ARYAN PRATAP	B.Tech CSE	Semester I	P	P	P	P	A	P
2101010030	ADARSH SINGH	B.Tech CSE	Semester I	<i>[Signature]</i>	P	P	P	P	P

Anwar Saeed

COURSE INCHARGE

Registrar

K.R. Mangalam University
Gurgaon Road, Gurugram, (Haryana)*[Signature]*
School of Engineering & Technology (SOET)
K.R. Mangalam University
Gurgaon Road, Gurugram



ATTENDANCE SHEET

VAC COURSE FOR ACADEMIC YEAR 2021-22

COURSE CODE: VAC069

COURSE TITLE: INNOVATION THROUGH DESIGN THINKING

ROLL NO	NAME	5-Oct-21	10-Oct-21	12-Oct-21	17-Oct-21	19-Oct-21	24-Oct-21	26-Oct-21	1-Nov-21	3-Nov-21	5-Nov-21
2101040001	NAMAN SHRIVASTAVA	P	P	A	P	P	P	P	P	P	P
2108190015	YATIN CHAUDHARY	P	A	P	P	A	P	P	P	A	P
2106160001	VARNAN GUPTA	P	P	A	P	P	P	P	P	P	P
2101030003	ABHINAV RAJAN	A	P	P	P	P	P	P	P	P	A
2101030002	ABHISHEK SAKLANI	P	P	A	P	A	P	A	P	P	P
2108190002	ANIKET RAMESH SEKHAR	P	P	P	P	P	A	P	P	A	A
2106160006	TANISHQ SHARMA	A	A	P	A	P	P	A	P	P	P
2101560013	JERIN VARGHESE	P	P	P	P	P	P	P	P	P	A
2101560006	NIPUN SRIVASTAVA	P	A	P	A	A	P	P	A	P	P
2101560014	PRITESH KUMAR	P	A	P	P	A	P	A	A	P	A
2101560007	SANKALP JHA	P	P	P	A	P	P	P	P	P	P
2101560003	TANYA MITTAL	P	P	P	P	P	P	P	P	P	P
2106810010	TUSHAR BOKEN	P	P	P	P	P	P	P	P	P	P
2106810002	ZEENAT ANSARI	P	P	P	P	P	P	P	A	P	P
2106810011	PAYEL SARKAR	A	A	P	A	P	P	P	P	P	P
2106812008	AVAZ AJAJ	P	P	P	P	A	P	P	A	P	P
2106810018	ARPAN BHARTI	P	P	P	A	P	P	P	P	P	P
2101010038	YASHIKA GUPTA	P	P	P	P	P	P	P	P	P	P
2101011057	SHIVANSH CHANDRA	P	P	P	P	P	P	P	P	P	P
2101010061	Chandrashekhar Bhati	P	P	P	P	P	P	P	A	P	P
2101010045	PRINCE SIROHI	A	A	P	A	P	P	P	P	P	P
2101010041	SANJANA KUMARI	P	P	P	P	A	P	P	A	P	P
2101010040	UTKARSH SHARMA	P	P	P	A	P	P	P	P	P	P
2101010039	SWETA RAWAT	P	P	P	P	P	P	P	P	P	P
2101010031	ARYAN PRATAP	P	P	P	P	P	P	P	P	P	P
2101010030	ADARSH SINGH	P	P	P	P	P	P	P	A	P	P

Anur Sawarwal
COURSE INCHARGE

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

Adarsh Singh
DEAN (SOCIETY)
K.R. Mangalam University
Gurgaon Road, Gurugram, (Haryana)



ATTENDANCE SHEET

VAC COURSE FOR ACADEMIC YEAR 2021-22

COURSE CODE: VAC069

COURSE TITLE: INNOVATION THROUGH DESIGN THINKING

ROLL NO	NAME	10-Nov-21	12-Nov-21	17-Nov-21	21-Nov-21	24-Nov-21	26-Nov-21	1-Dec-21	3-Dec-21	8-Dec-21
2101040001	NAMAN SHRIVASTAVA	P	P	P	A	P	P	P	A	A
2108190015	YATIN CHAUDHARY	A	P	P	P	P	P	P	P	P
2106160001	VARANAN GUPTA	P	P	A	P	P	P	A	P	P
2101030003	ABHINAV RAJAN	P	P	P	A	A	P	A	P	A
2101030002	ABHISHEK SAKLANI	P	P	P	A	A	P	P	A	P
2108190002	ANIKET RAMESH SEKHAR	P	P	P	P	P	A	P	P	P
2106160006	TANISHQ SHARMA	P	A	P	P	P	P	A	P	P
2101560013	JERIN VARGHESE	P	P	P	P	P	A	P	P	P
2101560006	NIPUN SRIVASTAVA	P	P	P	P	A	A	P	A	P
2101560014	PRITESH KUMAR	P	P	P	P	P	P	A	P	P
2101560007	SANKALP JHA	P	A	P	P	P	P	P	P	P
2101560003	TANYA MITTAL	P	A	P	P	P	P	P	P	P
2106810010	TUSHAR BOKEN	P	P	P	P	P	P	P	P	P
2106810002	ZEENAT ANSARI	P	P	P	P	P	P	P	P	P
2106810011	PAYEL SARKAR	P	P	A	P	P	P	P	P	P
2106812008	AYAZ AJAJ	P	P	P	P	P	P	A	P	P
2106810018	ARPAN BHARTI	P	A	P	P	P	P	P	P	P
2101010038	YASHIKA GUPTA	P	A	P	P	P	P	P	P	P
2101011057	SHIVANSH CHANDRA	P	P	P	P	P	P	P	A	A
2101010061	Chandrashekhhar Bhati	P	P	P	P	P	P	P	P	A
2101010045	PRINCE SIROHI	P	P	A	P	P	P	P	P	P
2101010041	SANJANA KUMARI	P	P	P	P	P	P	A	P	P
2101010040	UTKARSH SHARMA	P	A	P	P	P	P	P	P	P
2101010039	SWETA RAWAT	P	A	P	P	P	P	P	P	P
2101010031	ARYAN PRATAP	P	P	P	P	P	P	P	P	P
2101010030	ADARSH SINGH	P	P	P	P	P	P	P	P	A

Anur Sawar
COURSE INCHARGE

Registrar
K. J. Somaiya Institute of Engineering & Technology
Gurugram Road, Gurugram, (Haryana)

DEAN
School of Engineering & Technology (SOET)
K. J. Somaiya Institute of Engineering & Technology
Gurugram Road, Gurugram



ATTENDANCE SHEET

VAC COURSE FOR ACADEMIC YEAR 2021-22

COURSE CODE: VAC069

COURSE TITLE: INNOVATION THROUGH DESIGN THINKING

ROLL NO	NAME	10-Dec-21	15-Dec-21	17-Dec-21	22-Dec-21	24-Dec-21	29-Dec-21	Total	Present	Percentage
2101040001	NAMAN SHRIVASTAVA	P	P	P	P	A	A	31	25	80.65
2108190015	YATIN CHAUDHARY	A	P	P	P	P	A	31	23	74.19
2106160001	VARNAV GUPTA	P	P	A	A	P	P	31	25	80.65
2101030003	ABHINAV RAJAN	P	P	P	P	A	P	31	24	77.42
2101030002	ABHISHEK SAKLANI	P	P	P	P	P	P	31	24	77.42
2108190002	ANIKET RAMESH SEKHAR	P	A	P	A	A	P	31	24	77.42
2106160006	TANISHQ SHARMA	P	P	P	P	P	P	31	25	80.65
2101560013	JERIN VARGHESE	A	A	P	P	P	A	31	25	80.65
2101560006	NIPUN SRIVASTAVA	P	P	P	P	P	P	31	24	77.42
2101560014	PRITESH KUMAR	P	P	A	P	P	P	31	24	77.42
2101560007	SANKALP JHA	A	P	A	P	P	A	31	26	83.87
2101560003	TANYA MITTAL	A	P	P	P	P	P	31	28	90.32
2106810010	TUSHAR BOKEN	P	P	P	P	P	P	31	30	96.77
2106810002	ZEENAT ANSARI	A	A	A	P	P	A	31	26	83.87
2106810011	PAYEL SARKAR	A	P	A	P	P	P	31	24	77.42
2106812008	AYAZ AJAJ	P	P	P	A	A	A	31	25	80.65
2106810018	ARPAN BHARTI	A	P	P	P	A	P	31	27	87.10
2101010038	YASHIKA GUPTA	A	P	P	A	P	P	31	27	87.10
2101011057	SHIVANSH CHANDRA	P	A	P	A	A	P	31	25	80.65
2101010061	Chandrashekhar Bhati	P	A	A	A	P	A	31	25	80.65
2101010045	PRINCE SIROHI	A	P	A	P	P	P	31	24	77.42
2101010041	SANJANA KUMARI	P	P	P	P	P	A	31	27	87.10
2101010040	UTKARSH SHARMA	A	P	A	A	A	P	31	25	80.65
2101010039	SWETA RAWAT	A	P	A	A	A	A	31	24	77.42
2101010031	ARYAN PRATAP	P	A	A	A	A	P	31	26	83.87
2101010030	ADARSH SINGH	A	A	P	P		A	31	26	83.87

Anwar Saeed
COURSE INCHARGE

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Gurgaon Road, Gurugram, (Haryana)

(Signature)
K.R. Mangalam University
Gurgaon Road, Gurugram



K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

VALUE ADDED COURSE(VAC)

ACADEMIC YEAR 2021-22

COURSE CODE: VAC069

COURSE TITLE: INNOVATION THROUGH DESIGN THINKING
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	2022-23	2101040001	NAMAN SHRIVASTAVA	B.Tech ECE	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)
2	2022-23	2108190015	YATIN CHAUDHARY	B.A. (H) Economics	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF HUMANITIES(SOHS)
3	2022-23	2106160001	VARNAN GUPTA	B.Arch	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ARCHITECTURE & DESIGN(SOAD)
4	2022-23	2101030003	ABHINAV RAJAN	B.Tech EEE	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)
5	2022-23	2101030002	ABHISHEK SAKLANI	B.Tech EEE	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)
6	2022-23	2108190002	ANIKET RAMESH SEKHAR	B.A. (H) Economics	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF HUMANITIES(SOHS)
7	2022-23	2106160006	TANISHQ SHARMA	B.Arch	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ARCHITECTURE & DESIGN(SOAD)
8	2022-23	2101560013	JERIN VARGHESE	MCA	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)
9	2022-23	2101560006	NIPUN SRIVASTAVA	MCA	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)
10	2022-23	2101560014	PRITESH KUMAR	MCA	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)
11	2022-23	2101560007	SANKALP JHA	MCA	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)
12	2022-23	2101560003	TANYA MITTAL	MCA	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)
13	2022-23	2106810010	TUSHAR BOKEN	B Interior Design	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ARCHITECTURE & DESIGN(SOAD)
14	2022-23	2106810002	ZEENAT ANSARI	B Interior Design	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ARCHITECTURE & DESIGN(SOAD)
15	2022-23	2106810011	PAYEL SARKAR	B Interior Design	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ARCHITECTURE & DESIGN(SOAD)
16	2022-23	2106812008	AYAZ AJAJ	B Interior Design	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ARCHITECTURE & DESIGN(SOAD)
17	2022-23	2106810018	ARPAN BHARTI	B Interior Design	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ARCHITECTURE & DESIGN(SOAD)
18	2022-23	2101010038	YASHIKA GUPTA	B.Tech CSE	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)
19	2022-23	2101011057	SHIVANSH CHANDRA	B.Tech CSE	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)
20	2022-23	2101010061	Chandrashekhar Bhati	B.Tech CSE	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)
21	2022-23	2101010045	PRINCE SIROHI	B.Tech CSE	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)
22	2022-23	2101010041	SANJANA KUMARI	B.Tech CSE	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)
23	2022-23	2101010040	UTKARSH SHARMA	B.Tech CSE	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)
24	2022-23	2101010039	SWETA RAWAT	B.Tech CSE	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)
25	2022-23	2101010031	ARYAN PRATAP	B.Tech CSE	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)
26	2022-23	2101010030	ADARSH SINGH	B.Tech CSE	Semester I	VAC069	INNOVATION THROUGH DESIGN THINKING	SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)

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Registrar

K.R. Mangalam University
K.R. Mangalam (Harvada)



K. R. MANGALAM UNIVERSITY

THE COMPLETE WORLD OF EDUCATION

CERTIFICATE OF COMPLETION

This is to certify that **NAMAN SHRIVASTAVA**, University Enrolment No **2101040001** of **B.Tech ECE** programme has successfully qualified **VALUE ADDED COURSE VAC069** (**Innovation Through Design Thinking**) during Academic Session **2021-22** (Odd Semester).

Date: 21.02.2022

h. rajan

Controller of Examination

J. P.

Registrar

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



K. R. MANGALAM UNIVERSITY

THE COMPLETE WORLD OF EDUCATION

CERTIFICATE OF COMPLETION

This is to certify that **YATIN CHAUDHARY**, University Enrolment No **2108190015** of **B.A. (H) Economics** programme has successfully qualified **VALUE ADDED COURSE VAC069 (Innovation Through Design Thinking)** during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

hachajan

Controller of Examination

Registrar

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



K. R. MANGALAM UNIVERSITY

THE COMPLETE WORLD OF EDUCATION

CERTIFICATE OF COMPLETION

This is to certify that **VARANAN GUPTA**, University Enrolment No **2106160001** of **B.Arch** programme has successfully qualified **VALUE ADDED COURSE VAC069 (Innovation Through Design Thinking)** during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

h. mahajan

Controller of Examination

Registrar

K.R. Mangalam University

Seema Road, Gurugram, Haryana



K. R. MANGALAM UNIVERSITY

THE COMPLETE WORLD OF EDUCATION

CERTIFICATE OF COMPLETION

This is to certify that **ABHINAV RAJAN**, University Enrolment No **2101030003** of **B.Tech EEE** programme has successfully qualified **VALUE ADDED COURSE VAC069 (Innovation Through Design Thinking)** during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

hahajan

Controller of Examination

Registrar

K. R. Mangalam University
Ganga Road, Gurgaon, India, 122003



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This is to certify that **ABHISHEK SAKLANI**, University Enrolment No **2101030002** of **B.Tech EEE** programme has successfully qualified **VALUE ADDED COURSE VAC069** (**Innovation Through Design Thinking**) during Academic Session **2021-22** (**Odd Semester**).

Date: 21.02.2022

h. mahajan

Controller of Examination

Registrar

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



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This is to certify that **ANIKET RAMESH SEKHAR**, University Enrolment No **2108190002** of **B.A. (H) Economics** programme has successfully qualified **VALUE ADDED COURSE VAC069 (Innovation Through Design Thinking)** during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

brahajan

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This is to certify that **TANISHQ SHARMA**, University Enrolment No **2106160006** of **B.Arch** programme has successfully qualified **VALUE ADDED COURSE VAC069** (**Innovation Through Design Thinking**) during Academic Session **2021-22** (Odd Semester).

Date: 21.02.2022

hahajan

Controller of Examination

Prof-

Registrar

K.R. Mangalam University
C-10th Road, Gurugram, Haryana



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This is to certify that **JERIN VARGHESE**, University Enrolment No **2101560013** of **MCA** programme has successfully qualified **VALUE ADDED COURSE VAC069 (Innovation Through Design Thinking)** during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

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Registrar

K.R. Mangalam University
Changanassery, Changanassery, Kerala



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This is to certify that **NIPUN SRIVASTAVA**, University Enrolment No **2101560006** of **MCA** programme has successfully qualified **VALUE ADDED COURSE VAC069** (**Innovation Through Design Thinking**) during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

brahajan

Controller of Examination *for*

Registrar

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



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This is to certify that **PRITESH KUMAR**, University Enrolment No **2101560014** of **MCA** programme has successfully qualified **VALUE ADDED COURSE VAC069 (Innovation Through Design Thinking)** during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

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Controller of Examination

Jef

Registrar

K.R. Mangalam University
Campus Road, Changanassery (near J.P.O.)



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This is to certify that **SANKALP JHA**, University Enrolment No **2101560007** of **MCA** programme has successfully qualified **VALUE ADDED COURSE VAC069 (Innovation Through Design Thinking)** during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

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Controller of Examination

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Registrar

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



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CERTIFICATE OF COMPLETION

This is to certify that **TANYA MITTAL**, University Enrolment No **2101560003** of **MCA** programme has successfully qualified **VALUE ADDED COURSE VAC069 (Innovation Through Design Thinking)** during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

hachajan

Controller of Examination

J.H.

Registrar

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



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This is to certify that **TUSHAR BOKEN**, University Enrolment No **2106810010** of **B Interior Design** programme has successfully qualified **VALUE ADDED COURSE VAC069 (Innovation Through Design Thinking)** during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

brahajan

Controller of Examination

[Signature]

Registrar

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



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This is to certify that **ZEENAT ANSARI**, University Enrolment No **2106810002** of **B Interior Design** programme has successfully qualified **VALUE ADDED COURSE VAC069 (Innovation Through Design Thinking)** during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

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Registrar

K. R. Mangalam University
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This is to certify that **PAYEL SARKAR**, University Enrolment No **2106810011** of **B Interior Design** programme has successfully qualified **VALUE ADDED COURSE VAC069 (Innovation Through Design Thinking)** during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

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Registrar
K.R. Mangalam University
Conna Road, Gulugant, (Gurgaon)



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This is to certify that **AYAZ AJAJ**, University Enrolment No **2106812008** of **B Interior Design** programme has successfully qualified **VALUE ADDED COURSE VAC069** (**Innovation Through Design Thinking**) during Academic Session **2021-22** (**Odd Semester**).

Date: 21.02.2022

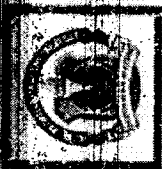
h. ahajan

Controller of Examination

J. J.

Registrar

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



K. R. MANGALAM UNIVERSITY

THE COMPLETE WORLD OF EDUCATION

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This is to certify that **ARPAN BHARTI**, University Enrolment No **2106810018** of **B Interior Design** programme has successfully qualified **VALUE ADDED COURSE VAC069 (Innovation Through Design Thinking)** during Academic Session **2021-22 (Odd Semester)**.

hahajan

Date: 21.02.2022

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Registrar

K.R. Mangalam University
Subana Road, Gurugram, Haryana



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This is to certify that **YASHIKA GUPTA**, University Enrolment No **2101010038** of **B.Tech**
CSE programme has successfully qualified **VALUE ADDED COURSE VAC069**
(Innovation Through Design Thinking) during Academic Session **2021-22 (Odd**
Semester).

Date: 21.02.2022

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



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CERTIFICATE OF COMPLETION

This is to certify that **SHIVANSH CHANDRA**, University Enrolment No **2101011057** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC069** (**Innovation Through Design Thinking**) during Academic Session **2021-22 (Odd Semester)**.

hahajan

Date: 21.02.2022

Controller of Examination

[Signature]

Registrar

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



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This is to certify that **Chandrashekhar Bhati**, University Enrolment No **2101010061** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC069 (Innovation Through Design Thinking)** during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

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Controller of Examination

Jah
Registrar

K.R. Mangalam University
Sector 14, Gurugram, (Haryana)



K. R. MANGALAM UNIVERSITY

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CERTIFICATE OF COMPLETION

This is to certify that **PRINCE SIROHI**, University Enrolment No **2101010045** of **B.Tech**
CSE programme has successfully qualified **VALUE ADDED COURSE VAC069**
(Innovation Through Design Thinking) during Academic Session **2021-22 (Odd**
Semester).

Date: 21.02.2022

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K.R. Mangalam University
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This is to certify that **SANJANA KUMARI**, University Enrolment No **2101010041** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC069** (**Innovation Through Design Thinking**) during Academic Session **2021-22** (Odd Semester).

Date: 21.02.2022

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This is to certify that **UTKARSH SHARMA**, University Enrolment No **2101010040** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC069** (**Innovation Through Design Thinking**) during Academic Session **2021-22** (Odd Semester).

Date: 21.02.2022

h. rajan

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This is to certify that **SWETA RAWAT**, University Enrolment No **2101010039** of **B.Tech** programme has successfully qualified **VALUE ADDED COURSE VAC069** (**Innovation Through Design Thinking**) during Academic Session **2021-22** (**Odd Semester**).

Date: 21.02.2022

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This is to certify that **ARYAN PRATAP**, University Enrolment No **2101010031** of **B.Tech**
CSE programme has successfully qualified **VALUE ADDED COURSE VAC069**
(Innovation Through Design Thinking) during Academic Session **2021-22 (Odd**
Semester).

Date: 21.02.2022

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This is to certify that **ADARSH SINGH**, University Enrolment No **2101010030** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC069 (Innovation Through Design Thinking)** during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

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