

VAC045	PROBLEM SOVING AND CREATIVITY
Contact Hours	30 Hours
Prerequisite	Nil

Course Description

This course on Problem Solving and Creativity is designed to help participants enhance their problem-solving skills and foster creativity. Through a combination of theoretical foundations and practical exercises, participants will learn to approach complex challenges with innovative solutions and creative thinking.

Course Objectives

The course will enable the students to:

- Understand the principles of problem-solving and the creative process.
- Develop critical thinking and analytical skills to identify and define problems.
- Cultivate creativity through various techniques and methods.
- Apply structured problem-solving frameworks to generate solutions.
- Enhance decision-making and risk assessment abilities.
- Collaborate effectively in problem-solving teams.
- Demonstrate practical problem-solving skills through real-world challenges.

Course Outcomes

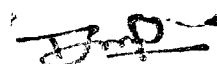
On completion of this course, students will be able to:

- CO 1: Explain the theoretical foundations of problem solving and creativity.
- CO 2: Identify and define complex problems, applying critical thinking skills.
- CO 3: Utilize various techniques to stimulate creativity and innovative thinking.
- CO 4: Apply structured problem-solving frameworks to generate effective solutions.
- CO 5: Make informed decisions and assess risks in problem-solving scenarios.

Course Content

Module 1: Introduction to Problem Solving and Creativity

2 hours



- The Importance of Problem Solving and Creativity
- The Problem-Solving Process
- The Creative Process
- The Role of Creativity in Problem Solving

Module 2: Problem Identification and Definition

3 hours

- Recognizing Problems and Challenges
- Problem Analysis and Root Cause Identification
- Defining Problems Clearly and Precisely
- Problem Scoping and Setting Objectives

Module 3: Creativity Techniques

4 hours

- Brainstorming and Idea Generation
- Mind Mapping and Visualization
- Lateral Thinking and Creative Heuristics
- Design Thinking and Ideation

Module 4: Structured Problem Solving

4 hours

- The Scientific Method and Hypothesis Testing
- Root Cause Analysis (e.g., 5 Whys)
- Decision Trees and Decision Analysis
- TRIZ (Theory of Inventive Problem Solving)

Module 5: Decision-Making and Risk Assessment

3 hours

- Analytical Decision-Making Techniques
- Ethical Considerations in Decision-Making
- Risk Assessment and Management
- Cost-Benefit Analysis

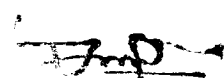
Module 6: Collaboration and Team Problem Solving

4 hours

- Collaborative Problem-Solving Skills
- Effective Teamwork and Communication
- Team Dynamics and Conflict Resolution
- Case Studies in Team Problem Solving

Module 7: Practical Problem-Solving Exercises

5 hours



- Real-World Problem-Solving Scenarios
- Application of Problem Solving and Creativity Techniques
- Group Problem Solving Challenges
- Practical Case Studies

Module 8: Reflection and Continuous Improvement

3 hours

- Reflecting on Problem Solving and Creativity Journey
- Continuous Improvement in Problem Solving Skills
- Personal Development and Growth
- Course Conclusion and Graduation

Practicum

The course includes a practicum where participants will engage in practical problem-solving exercises. They will work individually and in groups to tackle real-world problems and apply the problem-solving and creativity techniques they have learned.

Textbooks

1. De Bono, E. (2009). Lateral Thinking: Creativity Step by Step. Harper Paperbacks.
2. Tidd, J., & Bessant, J. R. (2018). Managing Innovation: Integrating Technological, Market and Organizational Change. John Wiley & Sons.
3. VanGundy, A. B. (1988). Techniques of Structured Problem Solving. Van Nostrand Reinhold.

Reference Books

1. Proctor, T. (2017). Creative Problem Solving for Managers: Developing Skills for Decision Making and Innovation. Routledge.
2. Osborn, A. F. (2017). Applied Imagination: Principles and Procedures of Creative Problem-Solving. Scribner.
- Duncker, K. (2017). On Problem Solving. Routledge.

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



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/2020-21/ 1911

Dated: 03rd August, 2020

NOTICE

This is to put for information that School of Basic & Applied Sciences 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
VAC045	Problem Solving and Creativity	SBAS	30 Hrs.

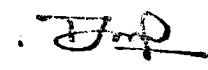
- a) *Maximum 100 seats are available for the course.*
- b) *Course Start Date: 03 September 2020*
- c) *Couse End Date: 01 November 2020*

All interested students are required to confirm their registration with the Dean-School of Basic & Applied Sciences latest by **24th August, 2020**


Registrar

Copy to: (Handwritten list of recipients)

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


Registrar
K.R. Mangalam University
School of Basic & Applied Sciences (National)



ATTENDANCE SHEET

VAC COURSE FOR ACADEMIC YEAR 2020-21

COURSE CODE: VAC045

COURSE TITLE: PROBLEM SOLVING AND CREATIVITY

ROLL NO	NAME	PROGRAMME	SEMESTER	3-Sep-20	4-Sep-20	5-Sep-20	6-Sep-20	7-Sep-20	8-Sep-20	11-Sep-20	13-Sep-20
2003110001	JEETIKA	B.Sc (H) Math	Semester I	P	P	P	P	A	P	P	P
2003110003	MAITHILEE	B.Sc (H) Math	Semester I	P	P	P	P	P	P	P	P
2003110004	HEMA YADAV	B.Sc (H) Math	Semester I	P	P	P	P	P	P	P	P
2003090001	AADITYA NARAYAN YADAV	B.Sc (H) Phys	Semester I	P	P	P	P	P	P	P	P
2003090003	ANJALI	B.Sc (H) Phys	Semester I	P	P	P	P	P	P	P	P
2003090004	SUBHAM KUMAR	B.Sc (H) Phys	Semester I	P	P	P	P	P	P	P	P
2001720001	SWATI SHARMA	B.Sc. (H) CS	Semester I	P	P	P	P	P	P	P	P
2001720002	ANIKIT	B.Sc. (H) CS	Semester I	P	P	P	P	P	P	P	P
2001720003	KR TIKA	B.Sc. (H) CS	Semester I	P	P	A	P	P	P	P	P
2001830001	SRIKANTH A	B.Sc. (H) Cyber Security	Semester I	A	P	P	P	P	P	P	P
2001830002	PATIL DNYANAL SARJERAO	B.Sc. (H) Cyber Security	Semester I	P	P	P	P	P	P	P	P
2001830003	SHUBHAM KUMAR SAINI	B.Sc. (H) Cyber Security	Semester I	A	P	A	P	P	P	P	P
2001830004	KRITI SACHIDEVA	B.Sc. (H) Cyber Security	Semester I	P	P	A	P	P	P	P	P
2001830005	KUMARI NISHA SAH	B.Sc. (H) Cyber Security	Semester I	P	P	P	A	P	P	P	P
2001830006	JIVAN JYOTI RANJAN DAS	B.Sc. (H) Cyber Security	Semester I	P	A	A	P	P	P	P	P
2001830008	AR N SUKHWAL	B.Sc. (H) Cyber Security	Semester I	P	A	P	P	P	P	P	P
2001830009	RAKESH KUMAR	B.Sc. (H) Cyber Security	Semester I	P	A	A	P	P	P	P	P
2001830010	ANUJ	B.Sc. (H) Cyber Security	Semester I	P	P	A	P	A	P	P	P
2001830011	ANUP KUMAR SINGH	B.Sc. (H) Cyber Security	Semester I	P	A	P	P	A	P	P	P
2001830013	VIKASH KUMAR SINHA	B.Sc. (H) Cyber Security	Semester I	P	P	A	A	A	P	P	P
2001840001	SAKSHI GOLA	B.Sc. (H) IS	Semester I	P	P	P	P	P	P	P	P
2001840003	NI IN KUMAR	B.Sc. (H) IS	Semester I	P	P	P	P	P	P	P	P
2001840004	MEGHNA NADDA	B.Sc. (H) IS	Semester I	P	A	P	P	P	P	P	P
2001840005	ASHIRVAD SHRIVASTAVA	B.Sc. (H) IS	Semester I	P	P	P	A	P	P	P	P
2001840006	RCHIT	B.Sc. (H) IS	Semester I	A	P	A	P	P	P	P	P
2001840007	MS. TANYA SHRIVASTAV	B.Sc. (H) IS	Semester I	P	A	P	P	P	P	P	P
2001840008	RCHIT KUMAR	B.Sc. (H) IS	Semester I	P	A	A	P	P	P	P	P
2001840009	NEERAJ SINGH GULERIA	B.Sc. (H) IS	Semester I	P	P	A	A	A	P	P	P
2001840001	SAKSHI GOLA	B.Sc. (H) IS	Semester I	A	P	P	P	A	P	P	P
2001840003	NI IN KUMAR	B.Sc. (H) IS	Semester I	P	P	A	A	A	P	P	P

[Signature]
COURSE INCHARGE

Registrar

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

[Signature]
DEAN

School of Basic & Applied Sciences
K.R. Mangalam DEAN
Sohna road, Gurugram
Haryana 122103



ATTENDANCE SHEET

BAC COURSE FOR ACADEMIC YEAR 2020-21

COURSE CODE: VAC045

COURSE TITLE: PROBLEM SOLVING AND CREATIVITY

ROLL NO	NAME	14-Sep-20	17-Sep-20	20-Sep-20	20-Sep-20	22-Sep-20	24-Sep-20	26-Sep-20	28-Sep-20	1-Oct-20	3-Oct-20
2003110001	JEETIKA	P	P	A	P	A	P	P	P	A	P
2003110003	MAITHILEE	P	P	P	P	P	P	P	P	P	A
2003110004	HEMA YADAV	P	P	P	P	P	P	P	P	P	P
2003090001	AADITYA NARAYAN YADAV	P	P	A	P	A	P	P	P	P	A
2003090003	ANJALI	P	P	P	P	P	P	P	P	P	P
2003090004	SUBHAM KUMAR	P	P	P	P	P	P	P	P	P	P
2001720001	SWATI SHARMA	P	P	P	P	A	P	P	P	P	A
2001720002	ANIKIT	P	P	P	P	A	P	P	P	A	P
2001720003	KRITIKA	P	A	P	P	P	P	P	P	P	P
2001830001	SRIKANTH A	P	P	P	P	A	P	P	A	P	P
2001830002	PATIL DNYANAL SARJERAO	P	P	A	P	P	P	P	A	P	P
2001830003	SHUBHAM KUMAR SAINI	P	P	P	P	P	P	P	P	P	P
2001830004	KRITI SACHDEVA	A	A	P	P	P	P	P	P	P	P
2001830005	KUMARI NISHA SAH	A	P	P	P	P	P	P	P	P	P
2001830006	JIVAN JYOTI RANJAN DAS	P	P	A	P	P	P	A	P	P	P
2001830008	ARIN SUKHWAL	P	A	P	A	P	P	P	P	P	P
2001830009	RAKESH KUMAR	P	P	P	A	A	P	P	P	P	P
2001830010	ANUJ	A	P	P	P	P	P	P	P	P	P
2001830011	ANUP KUMAR SINGH	A	P	P	P	P	A	P	P	P	A
2001830013	VIKASH KUMAR SINHA	P	P	P	P	P	P	P	P	P	P
2001840001	SAKSHI GOLA	P	P	P	P	P	P	P	A	P	P
2001840003	NITIN KUMAR	P	P	P	P	P	P	P	P	P	P
2001840004	MEGHNA NADDA	A	A	P	P	P	P	P	P	P	P
2001840005	ASHIRVAD SHRIVASTAVA	A	P	P	P	P	P	P	P	P	P
2001840006	ROHIT	P	P	A	P	P	P	A	P	P	P
2001840007	MS. TANYA SHRIVASTAV	P	A	P	A	P	P	P	P	P	P
2001840008	ROHIT KUMAR	P	P	P	P	A	P	P	P	P	P
2001840009	NEERAJ SINGH GULERIA	A	P	P	P	P	P	P	P	P	P
2001840001	SAKSHI GOLA	A	P	P	P	P	A	P	P	P	A
2001840003	NITIN KUMAR	P	P	P	A	P	P	P	P	P	P

COURSE INCHARGE

Registrar

K.R. Mangalam University
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School of Basic & Applied Sciences
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103



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VAC COURSE FOR ACADEMIC YEAR 2020-21

COURSE CODE: VAC045

COURSE TITLE: PROBLEM SOLVING AND CREATIVITY

ROLL NO	NAME	4-Oct-20	8-Oct-20	9-Oct-20	10-Oct-20	11-Oct-20	13-Oct-20	15-Oct-20	16-Oct-20	20-Oct-20	19-Oct-20
2003110001	JEETIKA	P	A	P	P	P	P	P	A	P	P
2003110003	MAITHILEE	P	P	P	P	A	A	A	P	A	P
2003110004	HEMA YADAV	P	P	P	A	P	P	P	P	P	P
2003090001	AADITYA NARAYAN YADAV	P	P	A	P	P	A	A	P	P	P
2003090003	ANJALI	P	A	P	P	P	P	P	A	P	P
2003090004	SUBHAM KUMAR	P	P	P	P	P	A	A	A	A	P
2001720001	SWAT. SHARMA	P	P	P	A	P	P	P	P	P	P
2001720002	ANIKIT	P	P	P	A	P	P	P	P	A	P
2001720003	KRITIKA	P	P	P	P	P	P	P	P	P	P
2001830001	SRIKANTH A	P	P	A	P	P	P	P	P	A	A
2001830002	PATIL DNYANAL SARJERAO	A	P	P	P	P	P	P	P	P	P
2001830003	SHUBHAM KUMAR SAINI	P	P	P	P	P	P	A	P	P	P
2001830004	KRITI SACHDEVA	P	P	P	P	P	P	P	P	P	P
2001830005	KUMARI NISHA SAH	A	P	P	P	P	P	P	P	P	A
2001830006	JIVAN JYOTI RANJAN DAS	P	P	A	P	P	P	P	P	P	P
2001830008	ARIN SUKHWAL	P	P	P	P	A	P	P	P	P	P
2001830009	RAKESH KUMAR	P	A	A	P	P	A	P	P	P	P
2001830010	ANUJ	P	P	A	P	P	P	P	P	P	P
2001830011	ANUP KUMAR SINGH	P	P	P	A	P	P	P	P	A	P
2001830013	VIKASH KUMAR SINHA	P	P	A	A	P	P	P	P	P	P
2001840001	SAKSHI GOLA	A	P	P	P	A	P	P	P	P	P
2001840003	NITIN KUMAR	P	P	P	P	P	P	A	P	P	P
2001840004	MEGHNA NADDA	P	P	P	P	P	P	P	P	P	P
2001840005	ASHIEVAD SHRIVASTAVA	A	P	P	P	P	P	P	P	P	P
2001840006	ROHIT	P	P	A	P	P	P	P	P	P	P
2001840007	MS. TANYA SHRIVASTAV	P	P	P	P	A	P	P	P	P	P
2001840008	ROHIT KUMAR	P	A	A	P	P	A	P	P	P	P
2001840009	NEERAJ SINGH GULERIA	P	P	A	P	P	P	P	P	P	P
2001840001	SAKSHI GOLA	P	P	P	A	P	P	P	P	A	P
2001840003	NITIN KUMAR	P	P	A	A	P	P	A	P	P	P

COURSE INCHARGE

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

Mangalam

School of Basic & Applied Sciences (SBAS)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 1224103



ATTENDANCE SHEET

VAC COURSE FOR ACADEMIC YEAR 2020-21

COURSE CODE: VAC045

COURSE TITLE: PROBLEM SOLVING AND CREATIVITY

ROLL NO	NAME	22-Oct-20	23-Oct-20	24-Oct-20	26-Oct-20	29-Oct-20	30-Oct-20	1-Nov-20	Total	Present	%
0003110001	JEETIKA	P	P	P	P	P	P	P	35	35	82.86
0003110003	MAITHILEE	P	P	P	P	P	P	P	35	35	85.71
0003110004	HEMA YADAV	P	A	P	P	A	P	P	35	32	91.43
0003090001	AADITYA NARAYAN YADAV	A	P	P	P	P	P	P	35	28	80.00
0003090003	ANJALI	A	P	P	P	A	P	P	35	31	88.57
0003090004	SUBHAM KUMAR	P	A	A	P	P	P	P	35	28	80.00
0001720001	SWATI SHARMA	P	P	P	P	P	P	P	35	32	91.43
0001720002	ANIKIT	A	P	P	P	A	P	P	35	29	82.86
0001720003	KRITIKA	P	P	A	P	P	P	P	35	32	91.43
0001830001	SRIKANTH A	A	P	P	P	P	A	P	35	27	77.14
0001830002	PATIL DNYANAL SARJERAO	P	P	A	P	P	P	P	35	31	88.57
0001830003	SHUBHAM KUMAR SAINI	P	P	P	P	P	A	P	35	31	88.57
0001830004	KRITI SACHDEVA	P	P	P	P	P	P	P	35	32	91.43
0001830005	KUMARI NISHA SAH	P	P	P	P	P	P	P	35	31	88.57
0001830006	JIVAN JYOTI RANJAN DAS	A	P	P	P	P	A	P	35	28	80.00
0001830008	ARIN SUKHWAL	P	P	P	A	P	P	P	35	30	85.71
0001830009	RAKESH KUMAR	P	P	P	P	P	A	P	35	27	77.14
0001830010	ANUJ	P	P	A	P	A	P	P	35	29	82.86
0001830011	ANUP KUMAR SINGH	P	P	P	P	A	P	P	35	27	77.14
0001830013	VIKASH KUMAR SINHA	P	P	P	P	P	P	P	35	29	82.86
001840001	SAKSHI GOLA	P	P	A	P	P	P	P	35	31	88.57
001840003	NITIN KUMAR	P	P	P	P	P	A	P	35	33	94.29
001840004	MEGHNA NADDA	P	P	P	P	P	P	P	35	32	91.43
001840005	ASHIRVAD SHRIVASTAVA	P	P	P	P	P	P	P	35	32	91.43
001840006	ROHIT	P	P	P	P	P	A	P	35	29	82.86
001840007	MS. TANYA SHRIVASTAV	P	P	P	A	P	P	P	35	30	85.71
001840008	ROHIT KUMAR	P	P	P	P	P	A	P	35	28	80.00
001840009	NEERAJ SINGH GULERIA	P	P	A	P	P	P	P	35	29	82.86
0001840001	SAKSHI GOLA	P	P	P	P	A	P	P	35	27	77.14
0001840003	NITIN KUMAR	P	P	P	P	P	P	P	35	28	80.00

meera
DEAN

School of Basic & Applied Sciences (SBA)
K.R. Mangalam University
Sohna Road, Gurugram
Haryana 122103

Dr. Jyoti

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

for

COURSE INCHARGE



ATTENDANCE SHEET

VAC COURSE FOR ACADEMIC YEAR 2020-21

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ROLL NO	NAME	PROGRAMME	SEMESTER	3-Sep-20	4-Sep-20	5-Sep-20	6-Sep-20	7-Sep-20	8-Sep-20	11-Sep-20	13-Sep-20
2001840004	MEGHNA NADDA	B.Sc. (H) DS	Semester I	P	P	P	P	A	P	P	P
2001840005	ASHIRVAD SHRIVASTAVA	B.Sc. (H) DS	Semester I	P	P	P	P	P	P	P	P
2001840006	ROHIT	B.Sc. (H) DS	Semester I	P	P	P	P	P	P	P	P
2001840007	MS. TANYA SHRIVASTAV	B.Sc. (H) DS	Semester I	P	P	P	P	P	P	P	P
2001840008	ROHIT KUMAR	B.Sc. (H) DS	Semester I	P	P	P	P	P	P	P	P
2001840009	NEERAJ SINGH GULERIA	B.Sc. (H) DS	Semester I	P	P	P	P	P	P	P	P
2001050002	YASH KUMAR GAUTAM	B.Tech Civil	Semester I	P	P	P	P	P	P	P	P
2001830001	SRIKANTH A	B.Sc. (H) Cyber	Semester I	P	P	P	P	P	P	P	P
2001830002	PATIL DNYANAL SARJERAO	B.Sc. (H) Cyber	Semester I	P	P	A	P	P	P	P	P
2001830003	SHUBHAM KUMAR SAINI	B.Sc. (H) Cyber	Semester I	A	P	P	P	P	P	P	P
2001830004	KRITI SACHDEVA	B.Sc. (H) Cyber	Semester I	P	P	P	P	P	P	P	P
2001830005	KUMARI NISHA SAH	B.Sc. (H) Cyber	Semester I	P	P	P	P	P	P	P	P
2001830006	JIVAN JYOTI RANJAN DAS	B.Sc. (H) Cyber	Semester I	P	A	P	P	P	P	P	P
2001830008	ARIN SUKHWAL	B.Sc. (H) Cyber	Semester I	P	P	P	A	P	P	P	P
2001830009	RAKESH KUMAR	B.Sc. (H) Cyber	Semester I	P	A	A	P	P	P	P	P
2001830010	ANUJ	B.Sc. (H) Cyber	Semester I	P	A	P	P	P	P	P	P
2001830011	ANUP KUMAR SINGH	B.Sc. (H) Cyber	Semester I	P	A	P	P	P	P	A	P
2001830013	VIKASH KUMAR SINHA	B.Sc. (H) Cyber Security	Semester I	P	P	A	P	A	P	P	P
2001010001	MANAV DIWAN	B.Tech CSE	Semester I	P	A	P	P	A	P	P	P
2001010002	DEEPAK YADAV	B.Tech CSE	Semester I	P	P	A	A	A	P	P	P
2001010004	MANASH PATHAK	B.Tech CSE	Semester I	P	A	A	P	P	P	P	P
2001010005	NEEL	B.Tech CSE	Semester I	P	A	P	P	P	P	P	P
2001010006	AMAN SINGLA	B.Tech CSE	Semester I	P	A	P	P	P	P	A	P
2001010007	NIKHIL BHARDWAJ	B.Tech CSE	Semester I	P	P	A	P	A	P	P	P
2001010008	AMAN MUDGAL	B.Tech CSE	Semester I	P	A	P	P	P	P	P	P
2001010009	PRANAB BHARDWAJ	B.Tech CSE	Semester I	A	P	P	P	P	P	P	P
2001010010	TEJPAL	B.Tech CSE	Semester I	P	P	P	P	P	P	P	P
2001010011	RONAK SONI	B.Tech CSE	Semester I	P	P	P	P	P	P	P	P
2001010012	HARSH SINGH BORA	B.Tech CSE	Semester I	A	A	P	P	P	P	P	P
2001010013	MANJEET NISHAD	B.Tech CSE	Semester I	A	A	P	A	P	P	P	P

[Signature]

Registrar

K.R. Mangalam University

COURSE INCHARGE

[Signature]

School of Engineering & Technology
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103



ATTENDANCE SHEET
VAC COURSE FOR ACADEMIC YEAR 2020-21
COURSE CODE: VAC045
COURSE TITLE: PROBLEM SOLVING AND CREATIVITY

ROLL NO	NAME	14-Sep-20	17-Sep-20	20-Sep-20	20-Sep-20	22-Sep-20	24-Sep-20	26-Sep-20	28-Sep-20	1-Oct-20	3-Oct-20
2001840004	MEGHNA NADDA	P	P	A	P	A	P	P	P	A	P
2001840005	ASHIRVAD SHRIVASTAVA	P	P	P	P	P	P	P	P	P	P
2001840006	ROHIT	P	P	P	P	P	P	A	P	P	P
2001840007	MS. TANYA SHRIVASTAV	P	P	A	P	A	P	P	P	P	A
2001840008	ROHIT KUMAR	P	P	P	P	P	P	P	A	P	P
2001840009	NEERAJ SINGH GULERIA	P	P	P	A	P	P	P	P	P	P
2001050002	YASH KUMAR GAUTAM	P	P	P	P	A	P	P	P	P	A
2001830001	SRIKANTH A	P	P	P	P	A	P	P	P	A	P
2001830002	PATIL DNYANAL SARJERAO	P	P	P	P	P	P	P	P	P	P
2001830003	SHUBHAM KUMAR SAINI	P	P	P	P	A	P	P	A	P	P
2001830004	KRITI SACHDEVA	P	P	P	P	P	P	P	A	P	P
2001830005	KUMARI NISHA SAH	P	P	P	P	P	P	P	P	P	P
2001830006	JIVAN JYOTI RANJAN DAS	A	A	P	P	P	P	P	P	P	P
2001830008	ARIN SUKHWAL	A	P	P	P	P	P	P	P	P	P
2001830009	RAKESH KUMAR	P	P	A	P	P	P	A	P	P	P
2001830010	ANUJ	P	A	P	A	P	P	P	P	P	P
2001830011	ANUP KUMAR SINGH	P	P	P	P	A	P	P	P	P	P
2001830013	VIKASH KUMAR SINHA	A	P	P	P	P	P	P	P	P	P
2001010001	MANAV DEWAN	A	P	P	P	P	A	P	P	P	A
2001010002	DEEPAH YADAV	P	P	P	A	P	P	P	P	P	P
2001010004	MANASH PATHAK	P	P	A	P	P	P	A	P	P	P
2001010005	NEEL	P	A	P	A	P	P	P	P	P	P
2001010006	AMAN SINGLA	P	P	P	P	A	P	P	P	P	P
2001010007	NIKHIL BHARDWAJ	A	P	P	P	P	P	P	P	P	P
2001010008	AMAN MUDGAL	P	P	P	P	P	P	P	P	P	A
2001010009	PRANAB BHARDWAJ	P	P	P	P	P	P	P	P	P	P
2001010010	TEJPAL	P	P	P	A	P	A	P	P	P	P
2001010011	RONAK SONI	P	P	P	P	P	P	P	P	P	P
2001010012	HARSH SINGH BORA	P	P	P	P	P	P	P	P	P	P
2001010013	MANJEE NISHAD	P	A	A	P	P	P	P	P	P	P

[Signature]
COURSE INCHARGE

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

[Signature]
School of Basic & Applied Sciences (SBAS)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103



ATTENDANCE SHEET

BAC COURSE FOR ACADEMIC YEAR 2020-21

COURSE CODE: VAC045

COURSE TITLE: PROBLEM SOLVING AND CREATIVITY

ROLL NO	NAME	4-Oct-20	8-Oct-20	9-Oct-20	10-Oct-20	11-Oct-20	13-Oct-20	15-Oct-20	16-Oct-20	20-Oct-20	19-Oct-20
2001840004	MEGHNA NADDA	P	A	P	P	A	P	P	P	A	P
2001840005	ASHIRVAD SHRIVASTAVA	A	P	P	P	A	P	P	P	A	P
2001840006	ROHIT	P	P	P	P	P	P	P	P	P	P
2001840007	MS. TANYA SHRIVASTAV	P	P	P	P	P	P	A	P	P	P
2001840008	ROHIT KUMAR	P	A	P	P	P	P	P	P	P	P
2001840009	NEERAJ SINGH GULERIA	P	P	P	P	P	A	P	P	A	P
2001050002	YASH KUMAR GAUTAM	P	P	P	A	P	P	P	P	P	P
2001830001	SRIKANTH A	P	P	P	P	P	P	P	A	P	P
2001830002	PATIL DNYANAL SARJERAO	P	P	P	P	P	P	P	P	P	P
2001830003	SHUBHAM KUMAR SAINI	P	P	A	P	A	P	P	P	P	P
2001830004	KRITI SACHDEVA	A	P	P	P	A	P	P	P	P	P
2001830005	KUMARI NISHA SAH	P	P	P	P	P	P	A	P	P	P
2001830006	JIVAN JYOTI RANJAN DAS	P	P	P	P	P	P	P	P	P	P
2001830008	ARIN SUKHWAL	A	P	P	P	P	P	P	P	P	P
2001830009	RAKESH KUMAR	P	P	A	P	P	P	P	P	P	P
2001830010	ANUJ	P	P	P	P	P	P	P	P	P	P
2001830011	ANUP KUMAR SINGH	P	A	P	P	A	P	P	P	P	P
2001830013	VIKASH KUMAR SINHA	P	P	A	P	P	A	P	P	P	P
2001010001	MANAV DEWAN	P	P	P	P	P	P	P	P	P	P
2001010002	DEEPESH YADAV	P	P	A	A	P	P	P	P	A	P
2001010004	MANASH PATHAK	P	P	A	P	P	P	P	P	P	P
2001010005	NEEL	P	P	P	P	A	P	P	P	P	P
2001010006	AMAN SINGLA	P	A	A	P	P	A	P	P	P	P
2001010007	NIKHIL BHARDWAJ	P	P	A	P	P	P	P	P	P	P
2001010008	AMAN MUDGAL	P	P	P	A	P	P	P	P	P	P
2001010009	PRANAB BHARDWAJ	P	P	P	P	A	P	P	P	P	P
2001010010	TEJPAL	A	P	P	A	P	P	A	A	P	P
2001010011	RONAK SONI	P	P	A	P	P	P	P	P	A	P
2001010012	HARSH SINGH BORA	P	P	P	P	P	P	P	P	P	P
2001010013	MANJEET NISHAD	P	P	P	P	P	P	P	A	P	P

[Signature]
COURSE INCHARGE

[Signature]

Registrar

K.R. Mangalam University

Sohna Road, Gurugram

[Signature]

School of Engineering & Applied Sciences (SEAS)

K.R. Mangalam University

Sohna Road, Gurugram

Delhi-122103



ATTENDANCE SHEET

VAC COURSE FOR ACADEMIC YEAR 2020-21

COURSE CODE: VAC045

COURSE TITLE: PROBLEM SOLVING AND CREATIVITY

ROLL NO	NAME	22-Oct-20	23-Oct-20	24-Oct-20	26-Oct-20	29-Oct-20	30-Oct-20	1-Nov-20	Total	Present	%
2001840004	MEGHNA NADDA	A	P	P	P	P	P	P	35	27	77.14
2001840005	ASHIRVAD SHRIVASTAVA	A	P	P	P	A	P	P	35	30	85.71
2001840006	ROHIT	P	A	P	P	A	P	P	35	32	91.43
2001840007	MS. TANYA SHRIVASTAV	P	P	P	P	A	P	P	35	30	85.71
2001840008	ROHIT KUMAR	P	P	A	P	A	P	P	35	31	88.57
2001840009	NEERAJ SINGH GULERIA	P	P	P	P	A	P	P	35	31	88.57
2001050002	YASH KUMAR GAUTAM	P	A	P	P	A	P	P	35	30	85.71
2001830001	SRIKANTH A	A	P	P	P	A	P	P	35	30	85.71
2001830002	PATIL DNYANAL SARJERAO	P	P	A	P	A	P	P	35	32	91.43
2001830003	SHUBHAM KUMAR SAINI	A	P	P	P	P	A	P	35	28	80.00
2001830004	KRITI SACHDEVA	P	P	A	P	P	P	P	35	31	88.57
2001830005	KUMARI NISHA SAH	P	P	P	P	P	A	P	35	33	94.29
2001830006	JIVAN JYOTI RANJAN DAS	P	P	P	P	P	P	P	35	32	91.43
2001830008	ARIN SUKHWAL	P	P	P	P	P	P	P	35	32	91.43
2001830009	RAKESH KUMAR	P	P	P	P	P	A	P	35	29	82.86
2001830010	ANUJ	P	P	P	A	P	P	P	35	30	85.71
2001830011	ANUP KUMAR SINGH	P	P	P	P	P	A	P	35	28	80.00
2001830013	VIKASH KUMAR SINHA	P	P	A	P	P	P	P	35	30	85.71
2001010001	MANAV DEWAN	P	P	P	P	A	P	P	35	27	77.14
2001010002	DEEPESH YADAV	P	P	A	P	P	P	P	35	27	77.14
2001010004	MANASH PATHAK	P	P	P	P	P	A	P	35	29	82.86
2001010005	NEEL	P	P	P	A	P	P	P	35	30	85.71
2001010006	AMAN SINGLA	P	P	P	P	P	A	P	35	28	80.00
2001010007	NIKHIL BHARDWAJ	P	P	A	P	P	P	P	35	30	85.71
2001010008	AMAN MUDGAL	P	P	P	P	P	P	P	35	32	91.43
2001010009	PRANAB BHARDWAJ	P	P	A	P	P	A	P	35	31	88.57
2001010010	TEJPAL	P	A	P	P	P	P	P	35	28	80.00
2001010011	RONAK SONI	P	A	P	P	P	A	P	35	31	88.57
2001010012	HARSH SINGH BORA	P	P	P	P	P	P	A	35	31	88.57
2001010013	MANJEET NISHAD	P	P	P	P	P	P	P	35	29	82.86

Signature

COURSE INCHARGE

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

Signature

School of Basic & Applied Sciences
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103



ATTENDANCE SHEET

VAC COURSE FOR ACADEMIC YEAR 2020-21

COURSE CODE: VAC045

COURSE TITLE: PROBLEM SOLVING AND CREATIVITY

ROLL NO	NAME	PROGRAMME	SEMESTER	3-Sep-20	4-Sep-20	5-Sep-20	6-Sep-20	7-Sep-20	8-Sep-20	11-Sep-20	13-Sep-20
2001010014	PRATHAM	B.Tech CSE	Semester I	A	P	P	P	A	P	P	P
2001010015	VANSH	B.Tech CSE	Semester I	P	P	P	A	P	P	P	P
2001010016	ARADHNA SHARMA	B.Tech CSE	Semester I	P	A	P	P	P	P	P	P
2001010017	SHIVAM PATHAK	B.Tech CSE	Semester I	P	P	P	P	P	P	P	P
2001010019	ROSHAN CHANDRA	B.Tech CSE	Semester I	A	P	P	A	P	A	P	P
2001010020	AKANSHA GARG	B.Tech CSE	Semester I	P	P	A	P	P	P	P	P
2001010021	KRISHNA KAUSHAL	B.Tech CSE	Semester I	P	A	P	A	A	A	P	P
2001010022	YATIN	B.Tech CSE	Semester I	A	P	P	P	P	P	P	P
2001010023	RITIK YADAV	B.Tech CSE	Semester I	P	A	P	P	P	P	P	P
2001010024	ONKAR VATSA	B.Tech CSE	Semester I	P	A	P	P	P	P	P	P
2001010025	AYUSH TYAGI	B.Tech CSE	Semester I	A	P	P	P	P	P	P	P
2001010026	SHIOMM KUMAR SINGH	B.Tech CSE	Semester I	P	P	P	P	P	P	P	P
2001010027	ANKIT	B.Tech CSE	Semester I	A	P	P	P	P	P	P	P
2001010028	UTKARSH SRIVASTAVA	B.Tech CSE	Semester I	P	P	P	P	P	P	P	P
2001010029	ADARSH ANAND	B.Tech CSE	Semester I	A	A	P	P	P	P	P	P
2001010031	AMIT KUMAR JHA	B.Tech CSE	Semester I	P	P	P	A	P	P	P	P
2001010032	ANIRUDH JAIN	B.Tech CSE	Semester I	A	A	P	P	P	P	P	P
2001010033	ASHISH VERMA	B.Tech CSE	Semester I	A	P	P	P	P	P	P	P
2001010034	PAYUSHI TYAGI	B.Tech CSE	Semester I	A	P	P	P	P	P	P	P
2001010035	PARAMJEET SINGH	B.Tech CSE	Semester I	P	P	A	P	P	A	P	P
2001010037	GAURAV SINGH MAJILA	B.Tech CSE	Semester I	P	P	P	P	A	P	P	P
2001010038	SAGAR	B.Tech CSE	Semester I	P	A	P	A	P	P	P	P
2001010039	AYUSH NEGI	B.Tech CSE	Semester I	P	P	A	P	P	P	P	P
2001010040	CHIRAG VASHIST	B.Tech CSE	Semester I	A	P	A	A	P	P	P	P
2001010041	SACHIN KUMAR	B.Tech CSE	Semester I	A	P	P	A	A	A	P	P
2001010042	SAGAR	B.Tech CSE	Semester I	P	A	P	P	P	A	P	P
2001010043	ABHISHEK KUMAR	B.Tech CSE	Semester I	P	P	P	A	A	A	P	P
2001010044	SATYA SHEKHAR	B.Tech CSE	Semester I	P	P	P	P	P	A	P	P
2001010045	SHUBHAM KUMAR VATS	B.Tech CSE	Semester I	A	A	P	P	P	P	P	P
2001010046	MOHIT	B.Tech CSE	Semester I	A	P	P	P	P	P	P	P

Registrar

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

COURSE INCHARGE

Dean

School of Basic & Applied Sciences (SBAS)
K.R. Mangalam University
Sohna Road, Gurugram
Haryana 122103



ATTENDANCE SHEET
VAC COURSE FOR ACADEMIC YEAR 2020-21
COURSE CODE: VAC045
COURSE TITLE: PROBLEM SOLVING AND CREATIVITY

ROLL NO	NAME	14-Sep-20	17-Sep-20	20-Sep-20	20-Sep-20	22-Sep-20	24-Sep-20	26-Sep-20	28-Sep-20	1-Oct-20	3-Oct-20
2001010014	PRATHAM	P	A	P	P	P	P	P	P	P	P
2001010015	VANSH	P	P	P	A	P	P	P	A	P	P
2001010016	ARADHNA SHARMA	P	P	A	P	A	P	P	P	P	P
2001010017	SHIVAM PATHAK	P	P	P	P	P	A	P	P	P	P
2001010019	ROSHAN CHANDRA	P	A	P	P	P	P	P	P	P	P
2001010020	AKANSHA GARG	P	A	P	P	P	P	A	P	A	P
2001010021	KRISHNA KAUSHAL	P	P	P	P	A	P	P	P	P	P
2001010022	YATIN	P	P	P	A	P	A	P	P	P	A
2001010023	RITIK YADAV	P	P	P	P	P	P	P	P	P	P
2001010024	ONKAR VATSA	P	P	P	P	P	P	P	P	P	P
2001010025	AYUSH TYAGI	A	P	P	A	P	A	P	P	P	P
2001010026	SHIOMIM KUMAR SINGH	P	P	P	P	P	P	P	P	P	P
2001010027	ANKIT	P	P	P	P	A	P	P	P	P	P
2001010028	UTKARSH SRIVASTAVA	P	P	P	P	P	P	P	P	P	P
2001010029	ADARSH ANAND	P	P	P	P	P	A	P	P	P	A
2001010031	AMIT KUMAR JHA	P	P	P	P	P	P	P	P	P	P
2001010032	ANIRUDH JAIN	P	P	P	P	P	A	P	P	A	P
2001010033	ASHISH VERMA	P	A	P	P	P	P	P	P	A	P
2001010034	PAYUSHI TYAGI	P	P	P	P	P	P	P	P	P	P
2001010035	PARAMJEET SINGH	P	A	A	P	P	P	P	P	P	P
2001010037	GAURAV SINGH MAJILA	P	A	P	P	P	P	P	P	P	P
2001010038	SAGAR	P	P	P	A	P	P	P	A	P	P
2001010039	AYUSH NEGI	P	A	A	P	A	P	P	P	P	P
2001010040	CHIRAG VASHIST	P	P	P	P	P	A	P	P	P	P
2001010041	SACHIN KUMAR	P	A	P	P	P	P	P	P	P	P
2001010042	SAGAR	P	A	P	P	P	P	A	P	P	P
2001010043	ABHISHEK KUMAR	P	P	P	P	A	P	P	P	P	P
2001010044	SATYA SHEKHAR	P	P	P	A	P	A	P	P	P	A
2001010045	SHUBHAM KUMAR VATS	P	P	P	P	P	P	P	P	P	P
2001010046	MOHIT	P	P	P	P	P	P	P	P	P	P

Handwritten Signature

Registrar

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

Handwritten Signature
 School of Basic & Applied Sciences (3rd) /
 K.R. Mangalam **DEPARTMENT**
 Sohna road, Gurugram
 Haryana 122103

Handwritten Signature
COURSE INCHARGE



ATTENDANCE SHEET

VACUUM FOR ACADEMIC YEAR 2020-21

COURSE CODE: VAC045

COURSE TITLE: PROBLEM SOLVING AND CREATIVITY

ROLL NO	NAME	4-Oct-20	8-Oct-20	9-Oct-20	10-Oct-20	11-Oct-20	13-Oct-20	15-Oct-20	16-Oct-20	20-Oct-20	19-Oct-20
2001010014	PRATHAM	P	A	P	P	P	P	P	P	P	P
2001010015	VANSH	P	P	P	A	P	P	P	P	A	P
2001010016	ARADHNA SHARMA	P	P	P	P	P	A	P	P	P	P
2001010017	SHIVAM PATHAK	P	P	A	A	P	A	A	P	P	P
2001010019	ROSHAN CHANDRA	P	P	P	A	P	P	P	P	P	A
2001010020	AKANSHA GARG	A	P	P	A	A	P	P	P	P	P
2001010021	KRISHNA KAUSHAL	P	P	P	A	A	P	P	A	P	P
2001010022	YATIN	P	P	A	P	P	A	P	P	A	P
2001010023	RITIK YADAV	A	P	P	P	P	A	P	P	P	A
2001010024	ONKAR VATSA	P	P	P	P	A	P	P	P	P	P
2001010025	AYUSH TYAGI	A	P	P	A	P	P	P	A	P	P
2001010026	SHIOMM KUMAR SINGH	P	P	A	P	P	P	P	P	P	A
2001010027	ANKIT	P	P	P	P	P	P	A	P	P	A
2001010028	UTKARSH SRIVASTAVA	A	P	A	P	A	P	P	P	P	P
2001010029	ADARSH ANAND	P	P	P	P	P	P	P	P	A	P
2001010031	AMIT KUMAR JHA	P	P	P	P	P	P	P	A	P	A
2001010032	ANIRUDH JAIN	P	P	P	A	P	A	P	P	P	P
2001010033	ASHISH VERMA	P	A	P	P	P	A	P	P	P	P
2001010034	PAYUSHI TYAGI	P	P	P	P	P	P	P	A	P	P
2001010035	PARAMJEET SINGH	P	P	P	P	P	P	P	P	P	P
2001010037	GAURAV SINGH MAJILA	P	A	P	P	P	P	A	P	P	P
2001010038	SAGAR	P	P	P	A	P	P	P	P	P	P
2001010039	AYUSH NEGI	P	P	P	P	P	A	P	P	P	P
2001010040	CHIRAG VASHIST	P	P	A	A	P	P	A	P	P	P
2001010041	SACHIN KUMAR	P	P	P	A	P	P	P	P	P	P
2001010042	SAGAR	A	P	P	P	A	P	P	P	P	A
2001010043	ABHISHEK KUMAR	P	P	P	P	P	P	P	P	P	P
2001010044	SATIYA SHEKHAR	P	P	A	P	P	A	P	P	A	P
2001010045	SHUBHAM KUMAR VATS	A	P	P	P	P	A	P	P	P	A
2001010046	MOHIT	P	P	A	A	A	P	A	P	P	P

[Signature]
COURSE INCHARGE

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

[Signature]
School of Basic & Applied Science
K.R. Mangalam UNIVERSITY
Sohna road, Gurugram
Haryana 122103

AS)



ATTENDANCE SHEET

VAC COURSE FOR ACADEMIC YEAR 2020-21

COURSE CODE: VAC045

COURSE TITLE: PROBLEM SOLVING AND CREATIVITY

ROLL NO	NAME	22-Oct-20	23-Oct-20	24-Oct-20	26-Oct-20	29-Oct-20	30-Oct-20	1-Nov-20	Total	Present	%
2001010014	PRATHAM	P	P	P	P	P	P	P	35	31	88.57
2001010015	VANSH	P	A	P	P	P	P	A	35	28	80.00
2001010016	ARADHNA SHARMA	P	P	P	P	A	P	P	35	30	85.71
2001010017	SHIVAM PATHAK	P	P	P	P	P	P	A	35	29	82.86
2001010019	ROSHAN CHANDRA	A	P	P	A	P	P	P	35	27	77.14
2001010020	AKANSHA GARG	P	P	P	P	P	A	P	35	27	77.14
2001010021	KRISHNA KAUSHAL	P	P	P	A	P	P	P	35	26	74.29
2001010022	YATIN	P	P	P	P	P	P	P	35	28	80.00
2001010023	RITIK YADAV	P	A	P	P	P	A	A	35	28	80.00
2001010024	ONKAR VATSA	P	P	A	P	P	A	P	35	31	88.57
2001010025	AYUSH TYAGI	P	P	P	P	P	A	P	35	27	77.14
2001010026	SHIOMM KUMAR SINGH	P	P	P	A	P	A	P	35	31	88.57
2001010027	ANKIT	P	P	P	P	P	A	P	35	30	85.71
2001010028	UTKARSH SRIVASTAVA	P	P	P	P	P	A	P	35	31	88.57
2001010029	ADARSH ANAND	P	P	P	P	P	A	A	35	28	80.00
2001010031	AMIT KUMAR JHA	A	P	P	A	P	A	P	35	29	82.86
2001010032	ANIRUDH JAIN	P	A	P	P	P	P	A	35	27	77.14
2001010033	ASHISH VERMA	A	P	P	A	P	P	P	35	28	80.00
2001010034	PAYUSHI TYAGI	P	A	P	P	P	A	A	35	30	85.71
2001010035	PARAMJEET SINGH	P	P	P	P	P	P	P	35	31	88.57
2001010037	GAURAV SINGH MAJILA	P	P	P	P	P	P	P	35	31	88.57
2001010038	SAGAR	P	P	P	P	P	P	A	35	29	82.86
2001010039	AYUSH NEGI	P	P	P	P	A	P	P	35	29	82.86
2001010040	CHIRAG VASHIST	P	P	P	P	P	P	A	35	27	77.14
2001010041	SACHIN KUMAR	P	P	P	A	P	P	P	35	28	80.00
2001010042	SAGAR	P	P	P	P	P	A	P	35	27	77.14
2001010043	ABHISHEK KUMAR	P	P	P	A	P	A	A	35	28	80.00
2001010044	SATYA SHEKHAR	P	A	P	P	P	P	P	35	27	77.14
2001010045	SHUBHAM KUMAR VATS	P	A	P	P	P	A	P	35	28	80.00
2001010046	MOHIT	P	P	A	P	P	A	A	35	27	77.14

Signature of Course Incharge

COURSE INCHARGE

Registrar

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

Signature of Dean

School of Basic & Applied Sciences
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103



ATTENDANCE SHEET

VAC COURSE FOR ACADEMIC YEAR 2020-21

COURSE CODE: VAC045

COURSE TITLE: PROBLEM SOLVING AND CREATIVITY

ROLL NO	NAME	PROGRAMME	SEMESTER	3-Sep-20	4-Sep-20	5-Sep-20	6-Sep-20	7-Sep-20	8-Sep-20	11-Sep-20	13-Sep-20
2001010047	DIVYANSU DAROLIA	B.Tech CSE	Semester I	A	P	P	P	P	P	P	P
2001010048	KISHAN KUMAR	B.Tech CSE	Semester I	A	A	P	P	P	P	P	P
2001010049	VANSH MALHOTRA	B.Tech CSE	Semester I	A	P	A	P	P	P	P	P
2001010050	SUMIT PARASHAR	B.Tech CSE	Semester I	P	P	P	P	A	P	P	P
2001010051	KANAK JADAUN	B.Tech CSE	Semester I	P	P	A	A	P	P	P	P
2001010052	AMAN SHEKHAR	B.Tech CSE	Semester I	P	P	A	P	P	P	P	P
2001010053	SUDHANSHU KUMAR	B.Tech CSE	Semester I	P	P	A	P	P	P	P	A
2001010054	SAHIL	B.Tech CSE	Semester I	P	P	P	A	P	P	P	P
2001010055	RISHAV JHA	B.Tech CSE	Semester I	A	A	A	P	P	A	P	P
2001010056	PARUL	B.Tech CSE	Semester I	P	P	P	A	A	A	P	P
2001010057	SAGAR JAIN	B.Tech CSE	Semester I	P	P	A	A	P	P	P	P
2001010058	YASH KUMAR GAUTAM	B.Tech CSE	Semester I	P	P	A	P	P	P	P	P
2001010059	ANAND KUMAR	B.Tech CSE	Semester I	P	P	A	P	P	P	P	A
2012730002	VAIBHAV SRIVASTAVA	B.Tech CSE (Sp Inv, AI	Semester I	P	P	P	A	P	A	P	P
2012730003	AKSH BHATIA	B.Tech CSE (Sp Inv, AI	Semester I	P	A	P	P	P	P	P	P
2012730005	CHRISTY KUNJUNION PETE	B.Tech CSE (Sp Inv, AI	Semester I	P	A	P	P	P	P	P	P
2001020001	RAVNEET	B.Tech MI	Semester I	P	P	P	P	P	P	P	P
2001020002	SHIVAM	B.Tech MI	Semester I	P	P	A	P	P	A	P	P
2001020003	VINAY CHANKHAR	B.Tech MI	Semester I	P	A	P	P	A	P	P	P
2001020004	TARUN TANWAR	B.Tech MI	Semester I	P	A	P	A	P	P	P	P
2001020005	UJJWAL KASHYAP	B.Tech MI	Semester I	P	A	A	P	P	P	P	P
2001020006	AMAN SINGLA	B.Tech MI	Semester I	A	P	A	A	P	P	P	P
2001020005	AVINAV GUPTA	B.Tech MI	Semester I	P	A	P	A	A	A	P	P
2001040001	SAGAR JAIN	B.Tech ECE	Semester I	P	A	P	P	P	A	P	P
2001040002	ANAND KUMAR	B.Tech ECE	Semester I	P	P	P	A	A	A	P	P

[Signature]
COURSE INCHARGE

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

[Signature]
DEAN
School of Basic & Applied Sciences (SBAS)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122001



ATTENDANCE SHEET

VAC COURSE FOR ACADEMIC YEAR 2020-21

COURSE CODE: VAC045

COURSE TITLE: PROBLEM SOLVING AND CREATIVITY

ROLL NO	NAME	14-Sep-20	17-Sep-20	20-Sep-20	20-Sep-20	22-Sep-20	24-Sep-20	26-Sep-20	28-Sep-20	1-Oct-20	3-Oct-20
2001010047	DIVYANSHU DAROLIA	P	P	P	A	P	A	P	P	P	P
2001010048	KISHAN KUMAR	P	P	P	P	P	P	P	P	A	P
2001010049	VANSH MALHOTRA	P	A	A	P	P	P	P	P	P	P
2001010050	SUMIT PARASHAR	P	A	P	P	P	P	P	P	P	P
2001010051	KANAK JADAUN	P	P	P	A	P	P	P	A	P	P
2001010052	AMAN SHEKHAR	P	P	A	P	A	P	P	P	A	P
2001010053	SUDHANSHU KUMAR	P	P	P	P	P	A	P	P	P	P
2001010054	SAHIL	P	A	P	P	P	P	P	P	P	P
2001010055	RISHAV JHA	P	A	P	P	P	P	A	P	P	P
2001010056	PARUL	P	P	P	P	A	P	P	P	P	P
2001010057	SAGAR JAIN	P	P	P	A	P	P	P	A	A	P
2001010058	YASH KUMAR GAUTAM	P	P	A	P	A	P	P	P	A	P
2001010059	ANAND KUMAR	P	P	P	P	P	A	P	P	P	P
2012730002	VAIBHAV SRIVASTAVA	P	A	P	P	P	P	P	P	A	P
2012730003	AKSH BHATIA	P	P	P	P	P	A	P	P	P	A
2012730005	CHRISTY KUNJUMON PETE	P	A	A	P	A	P	P	P	A	P
2001020001	RAVNEET	P	P	P	P	P	P	P	P	A	P
2001020002	SHIVAM	P	A	A	P	P	P	P	P	P	P
2001020003	VINAY DHANKHAR	P	A	P	P	P	P	P	P	P	P
2001020004	TARUN TANWAR	P	P	P	A	P	P	P	A	P	P
2001020005	UJJWAL KASHYAP	P	A	A	P	A	P	P	P	P	P
2001020006	AMAN SINGLA	P	P	P	P	P	A	P	P	P	P
2001020005	AVINAV GUPTA	P	A	P	P	P	P	P	P	P	P
2001040001	SAGAR JAIN	P	A	P	P	P	P	A	P	P	P
2001040002	ANAND KUMAR	P	P	P	P	A	P	P	P	P	P

[Signature]

COURSE INCHARGE

[Signature]

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

[Signature]

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Haryana



ATTENDANCE SHEET

VAC COURSE FOR ACADEMIC YEAR 2020-21

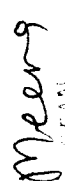
COURSE CODE: VAC045

COURSE TITLE: PROBLEM SOLVING AND CREATIVITY

ROLL NO	NAME	4-Oct-20	8-Oct-20	9-Oct-20	10-Oct-20	11-Oct-20	13-Oct-20	15-Oct-20	16-Oct-20	20-Oct-20	19-Oct-20
2001010047	DIVYANSHU DAROLIA	A	P	P	A	P	P	P	A	P	P
2001010048	KISHAN KUMAR	P	P	P	P	P	P	P	A	P	A
2001010049	VANSH MALHOTRA	P	P	P	P	P	P	P	A	P	P
2001010050	SUMIT PARASHAR	P	A	P	P	P	P	P	P	P	P
2001010051	KANAK JADAUN	P	P	P	A	P	P	P	P	P	P
2001010052	AMAN SHEKHAR	P	P	P	P	P	A	P	P	P	P
2001010053	SUDHANSHU KUMAR	P	P	A	A	P	P	A	P	P	P
2001010054	SAHIL	P	P	P	A	P	P	P	P	P	P
2001010055	RISHAV JHA	A	P	P	P	A	P	P	P	P	A
2001010056	PARUL	P	P	P	A	A	P	P	A	P	P
2001010057	SAGAR JAIN	P	P	P	A	P	P	P	P	P	P
2001010058	YASH KUMAR GAUTAM	P	P	P	P	P	A	P	P	P	P
2001010059	ANAND KUMAR	P	P	A	A	P	P	A	P	P	P
2012730002	VAIBHAV SRIVASTAVA	P	P	P	A	P	P	P	P	P	P
2012730003	AKSH BHATIA	P	A	P	A	P	A	P	P	P	P
2012730005	CHRISTY KUNJUMON PETE	P	A	P	P	P	A	P	P	P	P
2001020001	RAVNEET	P	P	P	P	P	P	P	A	P	P
2001020002	SHIVAM	P	P	P	P	P	P	P	P	P	P
2001020003	VINAY DHANKHAR	P	A	P	P	P	P	A	P	P	P
2001020004	TARUN TANWAR	P	P	P	A	P	P	P	P	P	P
2001020005	UJJWAL KASHYAP	P	P	P	P	P	A	P	P	P	P
2001020006	AMAN SINGLA	P	P	A	A	P	P	A	P	P	P
2001022005	AVINAV GUPTA	P	P	P	A	P	P	P	P	P	P
2001040001	SAGAR JAIN	A	P	P	P	A	P	P	P	P	A
2001040002	ANAND KUMAR	P	P	P	P	P	P	P	P	P	P


COURSE INCHARGE


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ATTENDANCE SHEET

VAC COURSE FOR ACADEMIC YEAR 2020-21

COURSE CODE: VAC045

COURSE TITLE: PROBLEM SOLVING AND CREATIVITY

ROLL NO	NAME	22-Oct-20	23-Oct-20	24-Oct-20	26-Oct-20	29-Oct-20	30-Oct-20	1-Nov-20	Total	Present	%
2001010047	DIVYANSHU DAROLIA	P	P	P	P	P	A	P	35	28	80.00
2001010048	KISHAN KUMAR	P	A	A	P	P	P	A	35	27	77.14
2001010049	VANSH MALHOTRA	P	P	A	P	A	P	A	35	27	77.14
2001010050	SUMIT PARASHAR	P	P	P	P	P	P	P	35	32	91.43
2001010051	KANAK JADAUN	P	P	P	P	P	P	A	35	29	82.86
2001010052	AMAN SHEKHAR	P	P	P	P	A	P	P	35	29	82.86
2001010053	SUDHANSHU KUMAR	P	P	P	P	P	P	A	35	28	80.00
2001010054	SAHIL	P	P	P	A	P	P	P	35	30	85.71
2001010055	RISHAV JHA	P	P	P	P	P	P	P	35	26	74.29
2001010056	PARUL	P	P	P	A	P	P	P	35	27	77.14
2001010057	SAGAR JAIN	P	P	P	P	P	P	A	35	28	80.00
2001010058	YASH KUMAR GAUTAM	P	P	P	P	A	P	P	35	29	82.86
2001010059	ANAND KUMAR	P	P	P	P	P	P	A	35	28	80.00
2012730002	VAIBHAV SRIVASTAVA	P	P	P	A	P	P	P	35	29	82.86
2012730003	AKSH BHATIA	P	A	P	P	P	P	A	35	27	77.14
2012730005	CHRISTY KUNJUMON PETE	P	P	P	A	P	P	P	35	27	77.14
2001020001	RAVNEET	P	P	P	P	A	P	A	35	31	88.57
2001020002	SHIVAM	P	P	P	P	P	P	P	35	31	88.57
2001020003	VINAY DHANKHAR	P	P	P	P	P	P	P	35	30	85.71
2001020004	TARUN TANWAR	P	P	P	P	P	P	A	35	29	82.86
2001020005	UJJWAL KASHYAP	P	P	P	P	A	P	P	35	28	80.00
2001020006	AMAN SINGLA	P	P	P	P	P	P	A	35	27	77.14
2001022005	AVINAV GUPTA	P	P	P	A	P	P	P	35	28	80.00
2001040001	SAGAR JAIN	P	P	P	P	P	A	P	35	27	77.14
2001040002	ANAND KUMAR	P	P	P	A	P	A	A	35	28	80.00

COURSE INCHARGE

Registrar

K.R. Mangalam University

Sohna Road, Gurugram, (Haryana)

Mean

SCAN

School of Basic & Applied Sciences
K.R. Mangalam University
Sohna road Gurugram
Haryana 122103



VALUE ADDED COURSE (VAC)

ACADEMIC YEAR 2020-21

COURSE CODE: VAC045

COURSE TITLE: PROBLEM SOLVING AND CREATIVITY

COURSE OFFERED BY: SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)

LIST OF STUDENTS COMPLETING THE COURSE

S.NO	SESSION	ROLL NO	NAME	PROGRAMME	SEMESTER	COURSE CODE	COURSE TITLE	SCHOOL
1	2020-21	2003110001	JEETIKA	B.Sc (H) Math	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
2	2020-21	2003110003	MAITHILEE	B.Sc (H) Math	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
3	2020-21	2003110004	HEMA YADAV	B.Sc (H) Math	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
4	2020-21	2003090001	AADITYA NARAYAN YADAV	B.Sc (H) Phys	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
5	2020-21	2003090003	ANJALI	B.Sc (H) Phys	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
6	2020-21	2003090004	SUBHAM KUMAR	B.Sc (H) Phys	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
7	2020-21	2001720001	SWATI SHARMA	B.Sc. (H) CS	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
8	2020-21	2001720002	ANIKIT	B.Sc. (H) CS	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
9	2020-21	2001720003	KRITIKA	B.Sc. (H) CS	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
10	2020-21	2001830001	SRIVANSH A	B.Sc. (H) Cyber Security	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
11	2020-21	2001830002	PATIL DNYANAL SARJERAO	B.Sc. (H) Cyber Security	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
12	2020-21	2001830003	SHUBHAM KUMAR SAINI	B.Sc. (H) Cyber Security	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
13	2020-21	2001830004	KRITI SACHDEVA	B.Sc. (H) Cyber Security	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
14	2020-21	2001830005	KUMARI NISHA SAH	B.Sc. (H) Cyber Security	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
15	2020-21	2001830006	JIVAN JYOTI RANJAN DAS	B.Sc. (H) Cyber Security	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
16	2020-21	2001830008	ARIN SUKHWAL	B.Sc. (H) Cyber Security	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
17	2020-21	2001830009	RAKESH KUMAR	B.Sc. (H) Cyber Security	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
18	2020-21	2001830010	ANUJ	B.Sc. (H) Cyber Security	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
19	2020-21	2001830011	ANUP KUMAR SINGH	B.Sc. (H) Cyber Security	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
20	2020-21	2001830013	VIKASH KUMAR SINHA	B.Sc. (H) Cyber Security	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
21	2020-21	2001840001	SAKSHI GOLA	B.Sc. (H) DS	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
22	2020-21	2001840003	NITIN KUMAR	B.Sc. (H) DS	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
23	2020-21	2001840004	MEGHNA NADDA	B.Sc. (H) DS	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
24	2020-21	2001840005	ASHIRVAD SHRIVASTAVA	B.Sc. (H) DS	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
25	2020-21	2001840006	ROHIT	B.Sc. (H) DS	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
26	2020-21	2001840007	MS. TANYA SHRIVASTAV	B.Sc. (H) DS	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
27	2020-21	2001840008	ROHIT KUMAR	B.Sc. (H) DS	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
28	2020-21	2001840009	NEERAJ SINGH GULERIA	B.Sc. (H) DS	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
29	2020-21	2001840001	SAKSHI GOLA	B.Sc. (H) DS	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
30	2020-21	2001840003	NITIN KUMAR	B.Sc. (H) DS	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
31	2020-21	2001840004	MEGHNA NADDA	B.Sc. (H) DS	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
32	2020-21	2001840005	ASHIRVAD SHRIVASTAVA	B.Sc. (H) DS	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
33	2020-21	2001840006	ROHIT	B.Sc. (H) DS	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
34	2020-21	2001840007	MS. TANYA SHRIVASTAV	B.Sc. (H) DS	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
35	2020-21	2001840008	ROHIT KUMAR	B.Sc. (H) DS	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
36	2020-21	2001840009	NEERAJ SINGH GULERIA	B.Sc. (H) DS	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)



VALUE ADDED COURSE (VAC)

ACADEMIC YEAR 2020-21

COURSE CODE: VAC045

COURSE TITLE: PROBLEM SOLVING AND CREATIVITY

COURSE OFFERED BY: SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)

LIST OF STUDENTS COMPLETING THE COURSE

S.NO	SESSION	ROLL NO	NAME	PROGRAMME	SEMESTER	COURSE C	COURSE TITLE	SCHOOL
37	2020-21	2001050002	YASH KUMAR GAUTAM	B.Tech Civil	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
38	2020-21	2001830001	SRIKANTH A	B.Sc. (H) Cyber Security	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
39	2020-21	2001830002	PATIL DNYANAL SARJERAO	B.Sc. (H) Cyber Security	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
40	2020-21	2001830003	SHUBHAM KUMAR SAINI	B.Sc. (H) Cyber Security	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
41	2020-21	2001830004	KRITI SACHDEVA	B.Sc. (H) Cyber Security	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
42	2020-21	2001830005	KUMARI NISHA SAH	B.Sc. (H) Cyber Security	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
43	2020-21	2001830006	JIVAN JYOTI RANJAN DAS	B.Sc. (H) Cyber Security	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
44	2020-21	2001830008	ARIN SUKHWAL	B.Sc. (H) Cyber Security	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
45	2020-21	2001830009	RAKESH KUMAR	B.Sc. (H) Cyber Security	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
46	2020-21	2001830010	ANUJ	B.Sc. (H) Cyber Security	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
47	2020-21	2001830011	ANUP KUMAR SINGH	B.Sc. (H) Cyber Security	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
48	2020-21	2001830013	VIKASH KUMAR SINHA	B.Sc. (H) Cyber Security	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
49	2020-21	2001010001	MANAV DEWAN	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
50	2020-21	2001010002	DEEPESH YADAV	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
51	2020-21	2001010004	MANASH PATHAK	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
52	2020-21	2001010005	NEEL	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
53	2020-21	2001010006	AMAN SINGLA	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
54	2020-21	2001010007	NIKHIL BHARDWAJ	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
55	2020-21	2001010008	AMAN MUDGAL	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
56	2020-21	2001010009	PRANAB BHARDWAJ	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
57	2020-21	2001010010	TEJPAL	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
58	2020-21	2001010011	RONAK SONI	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
59	2020-21	2001010012	HARSH SINGH BORA	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
60	2020-21	2001010013	MANJEET NISHAD	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
61	2020-21	2001010014	PRATHAM	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
62	2020-21	2001010015	VANSH	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)



VALUE ADDED COURSE (VAC)

ACADEMIC YEAR 2020-21

COURSE CODE: VAC045

COURSE TITLE: PROBLEM SOLVING AND CREATIVITY

COURSE OFFERED BY: SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)

LIST OF STUDENTS COMPLETING THE COURSE

S.NO	SESSION	ROLL NO	NAME	PROGRAMME	SEMESTER	COURSE CODE	COURSE TITLE	SCHOOL
63	2020-21	2001010016	ARADHNA SHARMA	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
64	2020-21	2001010017	SHIVAM PATHAK	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
65	2020-21	2001010019	ROSHAN CHANDRA	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
66	2020-21	2001010020	AKANSHA GARG	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
67	2020-21	2001010021	KRISHNA KAUSHAL	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
68	2020-21	2001010022	YATIN	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
69	2020-21	2001010023	RITIK YADAV	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
70	2020-21	2001010024	ONKAR VATSA	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
71	2020-21	2001010025	AYUSH TYAGI	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
72	2020-21	2001010026	SHIOMM KUMAR SINGH	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
73	2020-21	2001010027	ANKIT	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
74	2020-21	2001010028	UTKARSH SRIVASTAVA	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
75	2020-21	2001010029	ADARSH ANAND	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
76	2020-21	2001010031	AMIT KUMAR JHA	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
77	2020-21	2001010032	ANIRUDH JAIN	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
78	2020-21	2001010033	ASHISH VERMA	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
79	2020-21	2001010034	PAYUSHI TYAGI	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
80	2020-21	2001010035	PARAMJEET SINGH	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
81	2020-21	2001010037	GAURAV SINGH MAJILA	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
82	2020-21	2001010038	SAGAR	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
83	2020-21	2001010039	AYUSH NEGI	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
84	2020-21	2001010040	CHIRAG VASHIST	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
85	2020-21	2001010041	SACHIN KUMAR	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
86	2020-21	2001010042	SAGAR	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
87	2020-21	2001010043	ABHISHEK KUMAR	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
88	2020-21	2001010044	SATYA SHEKHAR	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
89	2020-21	2001010045	SHUBHAM KUMAR VATS	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
90	2020-21	2001010046	MOHIT	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
91	2020-21	2001010047	DIVYANSHU DAROLIA	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
92	2020-21	2001010048	KISHAN KUMAR	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
93	2020-21	2001010049	VANSH MALHOTRA	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
94	2020-21	2001010050	SUMIT PARASHAR	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
95	2020-21	2001010051	KANAK JADAUN	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
96	2020-21	2001010052	AMAN SHEKHAR	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
97	2020-21	2001010053	SUDHANSHU KUMAR	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
98	2020-21	2001010054	SAHIL	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)



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VALUE ADDED COURSE (VAC)

ACADEMIC YEAR 2020-21

COURSE CODE: VAC045

COURSE TITLE: PROBLEM SOLVING AND CREATIVITY

COURSE OFFERED BY: SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)

LIST OF STUDENTS COMPLETING THE COURSE

S.NO	SESSION	ROLL NO	NAME	PROGRAMME	SEMESTER	COURSE CODE	COURSE TITLE	SCHOOL
99	2020-21	2001010055	RISHAV JHA	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
100	2020-21	2001010056	PARUL	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
101	2020-21	2001010057	SAGAR JAIN	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
102	2020-21	2001010058	YASH KUMAR GAUTAM	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
103	2020-21	2001010059	ANAND KUMAR	B.Tech CSE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
104	2020-21	2012730002	VAIBHAV SRIVASTAVA	B.Tech CSE (Sp Inv, AI & ML)	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
105	2020-21	2012730003	AKSH BHATIA	B.Tech CSE (Sp Inv, AI & ML)	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
106	2020-21	2012730005	CHRISTY KUNJUMON PETE	B.Tech CSE (Sp Inv, AI & ML)	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
107	2020-21	2001020001	RAVNEET	B.Tech ME	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
108	2020-21	2001020002	SHIVAM	B.Tech ME	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
109	2020-21	2001020003	VINAY DHANKHAR	B.Tech ME	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
110	2020-21	2001020004	TARUN TANWAR	B.Tech ME	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
111	2020-21	2001020005	UJJWAL KASHYAP	B.Tech ME	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
112	2020-21	2001020006	AMAN SINGLA	B.Tech ME	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
113	2020-21	2001022005	AVINAV GUPTA	B.Tech ECE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
114	2020-21	2001040001	SAGAR JAIN	B.Tech ECE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
115	2020-21	2001040002	ANAND KUMAR	B.Tech ECE	Semester I	VAC045	PROBLEM SOLVING AND CREATIVITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)

[Signature]

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This is to certify that **JEETIKA**, University Enrolment No **2003110001** of **B.Sc (H) Math** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

Controller of Examination

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This is to certify that **MAITHILEE**, University Enrolment No **2003110003** of **B.Sc (H) Math** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **HEMA YADAV**, University Enrolment No **2003110004** of **B.Sc (H) Math** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

h. rajan

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This is to certify that **AADITYA NARAYAN YADAV**, University Enrolment No **2003090001** of **B.Sc (H) Phys** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21** (Odd Semester).

Date: 25.03.2021

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This is to certify that **ANJALI**, University Enrolment No **2003090003** of **B.Sc (H) Phys** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **SUBHAM KUMAR**, University Enrolment No **20030900004** of **B.Sc (H) Phys** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

h. rajan

Controller of Examination

Prof.

Registrar
K. R. Mangalam University
Sector 10, Gurugram, (Haryana)



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This is to certify that **SWATI SHARMA**, University Enrolment No **2001720001** of **B.Sc. (H) CS** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **ANIKIT**, University Enrolment No **2001720002** of **B.Sc. (H) CS** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **KRITIKA**, University Enrolment No **2001720003** of **B.Sc. (H) CS** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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CERTIFICATE OF COMPLETION

This is to certify that **SRIKANTH A**, University Enrolment No **2001830001** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **PATIL DNYANAL SARJERAO**, University Enrolment No **2001830002** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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Salind Road, Surugachi, (Haliyana)



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This is to certify that **SHUBHAM KUMAR SAINI**, University Enrolment No **2001830003** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **KRITI SACHDEVA**, University Enrolment No **2001830004** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **KUMARI NISHA SAH**, University Enrolment No **2001830005** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

h. mahajan

Controller of Examination

J. J. J.

Registrar

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



K. R. MANGALAM UNIVERSITY

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CERTIFICATE OF COMPLETION

This is to certify that **JIVAN JYOTI RANJAN DAS**, University Enrolment No **2001830006** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21** (Odd Semester).

Date: 25.03.2021

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This is to certify that **ARIN SUKHWAL**, University Enrolment No **2001830008** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **RAKESH KUMAR**, University Enrolment No **2001830009** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that ANUJ, University Enrolment No 2001830010 of B.Sc. (H) Cyber Security programme has successfully qualified **VALUE ADDED COURSE VAC045** (Problem Solving and Creativity) during Academic Session 2020-21 (Odd Semester).

Date: 25.03.2021

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CERTIFICATE OF COMPLETION

This is to certify that **ANUP KUMAR SINGH**, University Enrolment No **2001830011** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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Prof

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



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CERTIFICATE OF COMPLETION

This is to certify that **VIKASH KUMAR SINHA**, University Enrolment No **2001830013** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21** (Odd Semester).

Date: 25.03.2021

Controller of Examination

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This is to certify that **SAKSHI GOLA**, University Enrolment No **2001840001** of **B.Sc. (H) DS** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **NITIN KUMAR**, University Enrolment No **2001840003** of **B.Sc. (H) DS** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **MEGHNA NADDA**, University Enrolment No **2001840004** of **B.Sc. (H) DS** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **ASHIRVAD SHRIVASTAVA**, University Enrolment No **2001840005** of **B.Sc. (H) DS** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **ROHIT**, University Enrolment No **2001840006** of **B.Sc. (H) DS** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **MS. TANYA SHRIVASTAV**, University Enrolment No **2001840007** of **B.Sc. (H) DS** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **ROHIT KUMAR**, University Enrolment No **2001840008** of **B.Sc. (H) DS** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **NEERAJ SINGH GULERIA**, University Enrolment No **2001840009** of **B.Sc. (H) DS** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **SAKSHI GOLA**, University Enrolment No **2001840001** of **B.Sc. (H) DS** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

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This is to certify that **NITIN KUMAR**, University Enrolment No **2001840003** of **B.Sc. (H) DS** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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Sole Road, Bangalore, (India-560099)



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This is to certify that **MEGHNA NADDA**, University Enrolment No **2001840004** of **B.Sc. (H) DS** programme has successfully qualified **VALUE ADDED COURSE VAC045** (Problem Solving and Creativity) during Academic Session 2020-21 (Odd Semester).

Date: 25.03.2021

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This is to certify that **ASHIRVAD SHRIVASTAVA**, University Enrolment No **2001840005** of **B.Sc. (H) DS** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session 2020-21 (Odd Semester).

Date: 25.03.2021

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This is to certify that **ROHIT**, University Enrolment No **2001840006** of **B.Sc. (H) DS** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

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This is to certify that **MS. TANYA SHRIVASTAV**, University Enrolment No **2001840007** of **B.Sc. (H) DS** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

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This is to certify that **ROHIT KUMAR**, University Enrolment No **2001840008** of **B.Sc. (H) DS** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

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This is to certify that **NEERAJ SINGH GULERIA**, University Enrolment No **2001840009** of **B.Sc. (H) DS** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **YASH KUMAR GAUTAM**, University Enrolment No **2001050002** of **B.Tech Civil** programme has successfully qualified **VALUE ADDED COURSE VAC045** (**Problem Solving and Creativity**) during Academic Session **2020-21** (**Odd Semester**).

Date: 25.03.2021

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This is to certify that **SRIKANTH A**, University Enrolment No **2001830001** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **PATIL DNYANAL SARJERAO**, University Enrolment No **2001830002** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **SHUBHAM KUMAR SAINI**, University Enrolment No **2001830003** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21** (Odd Semester).

Date: 25.03.2021

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This is to certify that **KRITI SACHDEVA**, University Enrolment No **2001830004** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **KUMARI NISHA SAH**, University Enrolment No **2001830005** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED** **COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21** **(Odd Semester)**.

Date: 25.03.2021

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This is to certify that **JIVAN JYOTI RANJAN DAS**, University Enrolment No **2001830006** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED** **COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21** (**Odd Semester**).

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Date: 25.03.2021

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This is to certify that **ARIN SUKHWAL**, University Enrolment No **2001830008** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

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This is to certify that **RAKESH KUMAR**, University Enrolment No **2001830009** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

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This is to certify that **ANUJ**, University Enrolment No **2001830010** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **ANUP KUMAR SINGH**, University Enrolment No **2001830011** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **VIKASH KUMAR SINHA**, University Enrolment No **2001830013** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

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This is to certify that **MANAV DEWAN**, University Enrolment No **2001010001** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

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This is to certify that **DEEPESH YADAV**, University Enrolment No **2001010002** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **MANASH PATHAK**, University Enrolment No **2001010004** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045** (Problem Solving and Creativity) during Academic Session 2020-21 (Odd Semester).

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This is to certify that **NEEL**, University Enrolment No **2001010005** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **AMAN SINGLA**, University Enrolment No **2001010006** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **NIKHIL BHARDWAJ**, University Enrolment No **2001010007** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045** (**Problem Solving and Creativity**) during Academic Session **2020-21** (**Odd Semester**).

Date: 25.03.2021

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This is to certify that **AMAN MUDGAL**, University Enrolment No **2001010008** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **PRANAB BHARDWAJ**, University Enrolment No **2001010009** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045** (**Problem Solving and Creativity**) during Academic Session **2020-21** (**Odd Semester**).

Date: 25.03.2021

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This is to certify that **TEJPAL**, University Enrolment No **2001010010** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **RONAK SONI**, University Enrolment No **2001010011** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **HARSH SINGH BORA**, University Enrolment No **2001010012** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045** (**Problem Solving and Creativity**) during Academic Session **2020-21** (**Odd Semester**).

Date: 25.03.2021

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This is to certify that **MANJEET NISHAD**, University Enrolment No **2001010013** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045** (**Problem Solving and Creativity**) during Academic Session **2020-21** (**Odd Semester**).

Date: 25.03.2021

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This is to certify that **PRATHAM**, University Enrolment No **2001010014** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **VANSH**, University Enrolment No **2001010015** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

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This is to certify that **ARADHNA SHARMA**, University Enrolment No **2001010016** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045** (Problem Solving and Creativity) during Academic Session 2020-21 (Odd Semester).

Date: 25.03.2021

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This is to certify that **SHIVAM PATHAK**, University Enrolment No **2001010017** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

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This is to certify that **ROSHAN CHANDRA**, University Enrolment No **2001010019** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045** (**Problem Solving and Creativity**) during Academic Session **2020-21** (**Odd Semester**).

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This is to certify that **AKANSHA GARG**, University Enrolment No **2001010020** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session 2020-21 (Odd Semester).

Date: 25.03.2021

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This is to certify that **KRISHNA KAUSHAL**, University Enrolment No **2001010021** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045** (**Problem Solving and Creativity**) during Academic Session 2020-21 (Odd Semester).

Date: 25.03.2021

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This is to certify that **YATIN**, University Enrolment No **2001010022** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

h. rajan

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This is to certify that **RITIK YADAV**, University Enrolment No **2001010023** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session 2020-21 (Odd Semester).

Date: 25.03.2021

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This is to certify that **ONKAR VATSA**, University Enrolment No **2001010024** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session 2020-21 (Odd Semester).

bradajam

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This is to certify that **AYUSH TYAGI**, University Enrolment No **2001010025** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

brabajan

Date: 25.03.2021

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Sohna Road, Gurgaon, (Haryana)



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This is to certify that **SHIOMM KUMAR SINGH**, University Enrolment No **2001010026** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045** (**Problem Solving and Creativity**) during Academic Session 2020-21 (Odd Semester).

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This is to certify that **ANKIT**, University Enrolment No **2001010027** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session 2020-21 (Odd Semester).

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This is to certify that **UTKARSH SRIVASTAVA**, University Enrolment No **2001010028** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045** (**Problem Solving and Creativity**) during Academic Session 2020-21 (Odd Semester).

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This is to certify that **ADARSH ANAND**, University Enrolment No **2001010029** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

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This is to certify that **AMIT KUMAR JHA**, University Enrolment No **2001010031** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045** (**Problem Solving and Creativity**) during Academic Session 2020-21 (Odd Semester).

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This is to certify that **ANIRUDH JAIN**, University Enrolment No **2001010032** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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Anirudh Jain

[Signature]

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This is to certify that **ASHISH VERMA**, University Enrolment No **2001010033** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

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This is to certify that **PAYUSHI TYAGI**, University Enrolment No **2001010034** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session 2020-21 (Odd Semester).

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This is to certify that **PARAMJEET SINGH**, University Enrolment No **2001010035** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045** (**Problem Solving and Creativity**) during Academic Session 2020-21 (Odd Semester).

Date: 25.03.2021

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This is to certify that **GAURAV SINGH MAJILA**, University Enrolment No **2001010037** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045** (**Problem Solving and Creativity**) during Academic Session 2020-21 (Odd Semester).

Date: 25.03.2021

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This is to certify that **SAGAR**, University Enrolment No **2001010038** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session 2020-21 (Odd Semester).

Date: 25.03.2021

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This is to certify that **AYUSH NEGI**, University Enrolment No **2001010039** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session 2020-21 (Odd Semester).

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This is to certify that **CHIRAG VASHIST**, University Enrolment No **2001010040** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045** (**Problem Solving and Creativity**) during Academic Session 2020-21 (Odd Semester).

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This is to certify that **SACHIN KUMAR**, University Enrolment No **2001010041** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session 2020-21 (Odd Semester).

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Date: 25.03.2021

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This is to certify that **SAGAR**, University Enrolment No **2001010042** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session 2020-21 (Odd Semester).

Sarajan

Date: 25.03.2021

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This is to certify that **ABHISHEK KUMAR**, University Enrolment No **2001010043** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045** (**Problem Solving and Creativity**) during Academic Session 2020-21 (Odd Semester).

brabajan

Date: 25.03.2021

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This is to certify that **SATYA SHEKHAR**, University Enrolment No **2001010044** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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CERTIFICATE OF COMPLETION

This is to certify that **SHUBHAM KUMAR VATS**, University Enrolment No **2001010045** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session 2020-21 (Odd Semester).

Date: 25.03.2021

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This is to certify that **MOHIT**, University Enrolment No **2001010046** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session 2020-21 (Odd Semester).

Pradeep

Date: 25.03.2021

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Sector-10, Gurgaon, (Haryana)



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CERTIFICATE OF COMPLETION

This is to certify that **DIVYANSHU DAROLIA**, University Enrolment No **2001010047** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045** (Problem Solving and Creativity) during Academic Session 2020-21 (Odd Semester).

Date: 25.03.2021

Controller of Examination

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CERTIFICATE OF COMPLETION

This is to certify that **KISHAN KUMAR**, University Enrolment No 2001010048 of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session 2020-21 (Odd Semester).

Date: 25.03.2021

Controller of Examination

K. R. Mangalam

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CERTIFICATE OF COMPLETION

This is to certify that **VANSH MALHOTRA**, University Enrolment No **2001010049** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045** (**Problem Solving and Creativity**) during Academic Session **2020-21** (**Odd Semester**).

Date: 25.03.2021

h. rajan

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Registrar

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



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This is to certify that **SUMIT PARASHAR**, University Enrolment No **2001010050** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045** (**Problem Solving and Creativity**) during Academic Session 2020-21 (Odd Semester).

Date: 25.03.2021

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This is to certify that **KANAK JADAUN**, University Enrolment No **2001010051** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

Controller of Examination

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Date: 25.03.2021

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Prabakaran



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This is to certify that **SUDHANSHU KUMAR**, University Enrolment No **2001010053** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045** (Problem Solving and Creativity) during Academic Session 2020-21 (Odd Semester).

Date: 25.03.2021

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This is to certify that **RISHAV JHA**, University Enrolment No **2001010055** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session 2020-21 (Odd Semester).

Date: 25.03.2021

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h. rajan

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This is to certify that **PARUL**, University Enrolment No **2001010056** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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hmadajam

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CERTIFICATE OF COMPLETION

This is to certify that **SAGAR JAIN**, University Enrolment No **2001010057** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

Controller of Examination

S. S. S. S.

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K.R. Mangalam University
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This is to certify that **YASH KUMAR GAUTAM**, University Enrolment No **2001010058** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045** (Problem Solving and Creativity) during Academic Session 2020-21 (Odd Semester).

Date: 25.03.2021

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hmalajan

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CERTIFICATE OF COMPLETION

This is to certify that **ANAND KUMAR**, University Enrolment No **2001010059** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

Controller of Examination

Aradajan

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K.R. Mangalam University
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CERTIFICATE OF COMPLETION

This is to certify that **VAIBHAV SRIVASTAVA**, University Enrolment No **2012730002** of **B.Tech CSE (Sp Inv, AI & ML)** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21** (Odd Semester).

Date: 25.03.2021

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This is to certify that **AKSH BHATIA**, University Enrolment No **2012730003** of **B.Tech CSE (Sp Inv, AI & ML)** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

Controller of Examination

h. rajan

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K.R. Mangalam University
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CERTIFICATE OF COMPLETION

This is to certify that **CHRISTY KUNJUMON PETER**, University Enrolment No **2012730005** of **B.Tech CSE (Sp Inv, AI & ML)** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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CERTIFICATE OF COMPLETION

This is to certify that **RAVNEET**, University Enrolment No **2001020001** of **B.Tech ME** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

Controller of Examination

Arshad

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CERTIFICATE OF COMPLETION

This is to certify that **SHIVAM**, University Enrolment No **2001020002** of **B.Tech ME** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session 2020-21 (Odd Semester).

Date: 25.03.2021

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This is to certify that **VINAY DHANKHAR**, University Enrolment No **2001020003** of **B.Tech ME** programme has successfully qualified **VALUE ADDED COURSE VAC045** (Problem Solving and Creativity) during Academic Session 2020-21 (Odd Semester).

Date: 25.03.2021

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This is to certify that **TARUN TANWAR**, University Enrolment No **2001020004** of **B.Tech ME** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **UJJWAL KASHYAP**, University Enrolment No **2001020005** of **B.Tech ME** programme has successfully qualified **VALUE ADDED COURSE VAC045** (Problem Solving and Creativity) during Academic Session 2020-21 (Odd Semester).

Date: 25.03.2021

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hmadrajan

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K.R. Mangalam University
Sector 10, Gurugram, (Haryana)



K. R. MANGALAM UNIVERSITY

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CERTIFICATE OF COMPLETION

This is to certify that **AMAN SINGLA**, University Enrolment No **2001020006** of **B.Tech ME** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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This is to certify that **AVINAV GUPTA**, University Enrolment No **2001022005** of **B.Tech ME** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

hmadajam

Date: 25.03.2021

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This is to certify that **SAGAR JAIN**, University Enrolment No **2001040001** of **B.Tech ME** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session 2020-21 (Odd Semester).

S. K. Jain

Date: 25.03.2021

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This is to certify that **ANAND KUMAR**, University Enrolment No **2001040002** of **B.Tech ME** programme has successfully qualified **VALUE ADDED COURSE VAC045 (Problem Solving and Creativity)** during Academic Session **2020-21 (Odd Semester)**.

Date: 25.03.2021

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