

VAC116	UNDERSTANDING RESEARCH
Contact Hours	30 Hours
Prerequisite	Nil

Course Description

The course provides a comprehensive exploration of the fundamental principles, methodologies, and ethical considerations involved in the research process. It endeavours to equip students with the knowledge and skills essential for critically evaluating, designing, and conducting research across various disciplines.

Course Objectives

Students will be able to:

- Understand the key components and concepts in the research process, including hypothesis formulation, literature review, and research questions.
- Explore various research methodologies, both quantitative and qualitative, and gain the ability to choose appropriate methods for different research questions.
- Develop practical skills in using relevant software for data analysis.
- Gain real-world experience in designing and conducting research studies.

Course Outcomes

On completion of this course students will be able to:

CO 1: Demonstrate a comprehensive understanding of the foundational principles and key concepts of the research process.

CO 2: Exhibit competence in designing research studies, including the formulation of research questions, hypotheses, and the selection of appropriate research methodologies.

CO 3: Apply statistical and qualitative data analysis techniques, utilizing relevant software tools for accurate interpretation and presentation of research findings.

CO 4: Apply acquired research skills in practical settings, demonstrating the ability to design and conduct research studies independently or collaboratively.

Course Content

Module 1: Basics of Research

Scientific Methods and Research: Concept, Definitions of research; Purpose, importance, steps levels and rigor of research; different paradigms of research.

Basic Types of Researches: Fundamental/Applied research, Descriptive/Analytical research, Quantitative /Qualitative research, Conceptual/Empirical research, Diagnostic/Hypothesis testing research, Conclusion oriented/Decision oriented research, Theoretical / Action research, Longitudinal /Cross sectional research

Research Hypothesis: Meaning of research hypothesis, sources of hypothesis, qualities of workable hypothesis, utilities of hypothesis

Designing of Research work: Introduction, Purposes, Characteristics of a research design, Principles of designing a research, conceptual framework and its operationalization, Sectors of research design, Research methods as research designing, similarities and differences between Research design and research method.

Module 2: Analysis and Statement of the problem

Research Question: Introduction, types and identification; Research Problem: Definition, identification of problem, ways of understanding problem, criteria of a good problem, guidelines for selecting meaningful problem;

Literature Review: How to read and analyze the paper, identifying gap areas from literature and research database, development of working hypothesis.

Module 3: Search Engines and Research Ethics

Tools used to search the papers: Searching the literature through open access engines like google scholar, sci-hub, research-gate, science-direct, Mandley, Zotero

Plagiarism: introduction, tools used to detect plagiarism, plagiarism prevention.

References: how to write the references in different styles like MLA, APA.



Module 4: Research article/ report

Introduction, purpose and different forms of report; Qualities of research reports; Presentation of preliminary, general and technical reports; Format of research report, Necessary elements of research report, Precautions for report preparation.

Practicum

- Develop a research proposal on a selected topic, including the formulation of research questions, a comprehensive literature review, and a detailed research plan.
- Implement a selected data collection method (e.g., surveys, interviews, or experiments) for a specific research question.
- Analyze collected data using statistical or qualitative analysis methods and interpret the results.
- Prepare and deliver a presentation on a research topic, effectively communicating key findings and implications.

Textbooks

Abbott, M. L., & McKinney, J. (2013). Understanding and applying research design. John Wiley & Sons.

Siedlecki, S. L. (2020). Understanding descriptive research designs and methods. Clinical Nurse Specialist, 34(1), 8-12.

Reference Books

Brown, J. D. (1988). Understanding research in second language learning: A teacher's guide to statistics and research design. Cambridge University Press.

Cantrell, M. A. (2011). Demystifying the research process: Understanding a descriptive comparative research design. Pediatric Nursing, 37(4), 188.

	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/2021-22/ 2663(c) Dated: 03rd December, 2021

NOTICE

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

Course Code	Course Title	Coordinating Department / School	Duration
VAC116	Understanding Research	SBAS	30 Hrs.

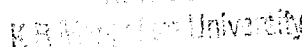
Maximum 100 seats are available for the course.

Course Start Date: 02 January 2022

Course End Date: 19 March 2022

All interested students are required to confirm their registration with the Dean-School of Basic & Applied Sciences latest by **27th December, 2021.**


Registrar

Copy to: 
K.R. Mangalam University
Gurgaon Road, Gurugram (Haryana)

- 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
Gurgaon Road, Gurugram (Haryana)



ATTENDANCE SHEET
VAC COURSE FOR ACADEMIC YEAR 2021-22
COURSE CODE: VAC116
COURSE TITLE: UNDERSTANDING RESEARCH

ROLL NO	NAME	PROGRAMME	SEMESTER	2-Jan-22	3-Jan-22	4-Jan-22	7-Jan-22
2011260012	ARISHA KUMARI	B.El.Ed.	Semester-IV	P	P	A	A
2003110001	JEETIKA	B.Sc (H) Math	Semester-IV	A	P	P	P
2003100001	NEHA GOYAL	B.Sc (H) Chem	Semester-IV	A	P	A	A
2003240001	ABHAY BARWAL	B.Sc Program	Semester-IV	P	P	P	P
1903100008	AARTI GANGADHAR SHINDE	BACHELOR OF SCIENCE (HONS) - CHEMISTRY	VI	P	P	P	P
2003240001	ABHAY BARWAL	BACHELOR OF SCIENCE	IV	A	P	P	P
1903110001	AGNIVESH TIWARI	BACHELOR OF SCIENCE (HONS) - MATHEMATICS	VI	P	P	P	P
1912770001	AHAN DEY	BACHELOR OF ARTS (HONS) Chinese	Semester-VI	P	P	P	P
1903110002	AMIT TANWAR	BACHELOR OF SCIENCE (HONS) - MATHEMATICS	VI	P	P	P	P
1903100001	ANJALI CHAUHAN	BACHELOR OF SCIENCE (HONS) - CHEMISTRY	VI	P	P	P	P
2011260012	ARISHA KUMARI	BACHELOR OF ELEMENTARY EDUCATION	Semester-IV	A	P	P	P
2012770003	ARUSHI SHARMA	BACHELOR OF ARTS (HONS) Chinese	Semester-IV	P	P	P	P
2108772001	AYUSH GUPTA	BACHELOR OF ARTS (HONS) Chinese	Semester-IV	P	P	P	A
1903100009	CHHAVI KAUSHIK	BACHELOR OF SCIENCE (HONS) - CHEMISTRY	VI	P	P	P	P
1903100005	HUNNY	BACHELOR OF SCIENCE (HONS) - CHEMISTRY	VI	P	A	P	P
2003110001	JEETIKA	BACHELOR OF SCIENCE (HONS) - MATHEMATICS	IV	P	P	P	P
1903110003	KABIR CHAUDHARY	BACHELOR OF SCIENCE (HONS) - MATHEMATICS	VI	P	A	P	P
1903100004	MANISHA RAJ	BACHELOR OF SCIENCE (HONS) - CHEMISTRY	VI	P	P	P	A
2003100001	NEHA GOYAL	BACHELOR OF SCIENCE (HONS) - CHEMISTRY	IV	P	A	A	P
1903100007	NISHU YADAV	BACHELOR OF SCIENCE (HONS) - CHEMISTRY	VI	P	A	P	P
1912770002	PRERNA BHATT	BACHELOR OF ARTS (HONS) Chinese	Semester-VI	P	A	A	P
1903100002	PRIYA GARG	BACHELOR OF SCIENCE (HONS) - CHEMISTRY	VI	P	P	A	A
2012770002	RUCHI SHUKLA	BACHELOR OF ARTS (HONS) Chinese	Semester-IV	P	P	P	P
1903100003	SHREYA VERMA	BACHELOR OF SCIENCE (HONS) - CHEMISTRY	VI	P	P	A	A
1912770003	SHRUTI POPTANI	BACHELOR OF ARTS (HONS) Chinese	Semester-VI	P	P	P	P
1903100006	YASH DAGAR	BACHELOR OF SCIENCE (HONS) - CHEMISTRY	VI	P	P	P	P
1912770004	YASHIKA KUMARI	BACHELOR OF ARTS (HONS) Chinese	Semester-VI	A	P	P	P

COURSE INCHARGE

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

School of Basic & Applied Sciences (SBAS)
K.R. Mangalam University
Gurgaon, (Haryana)



ATTENDANCE SHEET
VAC COURSE FOR ACADEMIC YEAR 2021-22
COURSE CODE: VAC116
COURSE TITLE: UNDERSTANDING RESEARCH

ROLL NO	NAME	9-Jan-22	10-Jan-22	11-Jan-22	14-Jan-22	15-Jan-22	16-Jan-22	18-Jan-22	21-Jan-22	24-Jan-22
2011260012	ARISHA KUMARI	P	P	P	P	A	P	P	P	P
2003110001	JEETIKA	A	P	P	P	A	P	P	P	P
2003100001	NEHA GOYAL	P	P	P	P	P	P	P	A	P
2003240001	ABHAY BARWAL	P	P	P	P	A	P	P	P	P
1903100008	AARTI GANGADHAR SHINDE	P	P	P	P	P	P	P	P	A
2003240001	ABHAY BARWAL	P	P	A	P	P	P	P	P	P
1903110001	AGNIVESH TIWARI	P	P	P	P	P	P	P	P	P
1912770001	AHAN DEY	P	P	P	P	P	P	P	P	P
1903110002	AMIT TANWAR	P	P	P	P	P	P	P	P	P
1903100001	ANJALI CHAUHAN	P	P	P	P	P	P	P	P	P
2011260012	ARISHA KUMARI	P	P	P	P	P	P	P	P	P
2012770003	ARUSHI SHARMA	P	P	P	P	P	P	P	P	P
2108772001	AYUSH GUPTA	P	P	P	P	P	P	P	P	P
1903100009	CHHAVI KAUSHIK	P	P	P	P	P	P	P	P	P
1903100005	HUNNY	P	P	P	P	P	P	P	P	P
2003110001	JEETIKA	P	P	P	P	P	P	P	P	P
1903110003	KABIR CHAUDHARY	P	P	A	P	P	P	P	P	P
1903100004	MANISHA RAJ	P	P	P	P	A	P	P	P	P
2003100001	NEHA GOYAL	A	P	P	P	P	P	P	P	P
1903100007	NISHU YADAV	P	P	P	P	P	P	P	P	P
1912770002	PRERNA BHATT	P	P	P	A	P	P	P	P	P
1903100002	PRIYA GARG	A	P	P	P	P	P	P	P	P
2012770002	RUCHI SHUKLA	P	P	P	A	P	P	P	P	P
1903100003	SHREYA VERMA	A	P	P	P	P	P	P	P	P
1912770003	SHRUTI POPTANI	P	P	P	P	P	P	P	P	P
1903100006	YASH DAGAR	P	P	P	P	P	P	P	P	A
1912770004	YASHIKA KUMARI	P	P	P	P	P	P	P	P	P

DEAN
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Registrar
K.R. Mangalam University
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COURSE INCHARGE



ATTENDANCE SHEET
VAC COURSE FOR ACADEMIC YEAR 2021-22
COURSE CODE: VAC116
COURSE TITLE: UNDERSTANDING RESEARCH

ROLL NO	NAME	28-Jan-22	30-Jan-22	1-Feb-22	4-Feb-22	5-Feb-22	6-Feb-22	7-Feb-22	8-Feb-22	11-Feb-22
2011260012	ARISHA KUMARI	P	P	P	P	P	P	P	A	P
2003110001	JEETIKA	A	P	P	P	A	P	P	P	A
2003100001	NEHA GOYAL	P	P	P	P	P	P	P	A	A
2003240001	ABHAY BARWAL	P	P	P	P	P	P	P	P	P
1903100008	AARTI GANGADHAR SHINDE	P	P	P	P	P	P	P	P	P
2003240001	ABHAY BARWAL	P	P	P	P	P	P	P	P	P
1903110001	AGNIVESH TIWARI	P	P	P	P	P	P	P	P	P
1912770001	AHAN DEY	P	P	P	P	P	P	P	A	P
1903110002	AMIT TANWAR	P	P	P	P	P	P	P	A	P
1903100001	ANJALI CHAUHAN	P	P	P	P	P	P	P	P	P
2011260012	ARISHA KUMARI	P	P	P	P	P	P	P	P	P
2012770003	ARUSHI SHARMA	P	P	P	P	P	P	P	P	P
2108772001	AYUSH GUPTA	P	P	P	P	P	P	P	P	P
1903100009	CHHAVI KAUSHIK	P	P	A	P	P	P	P	P	P
1903100005	HUNNY	P	P	A	P	P	P	P	P	P
2003110001	JEETIKA	P	P	P	P	P	P	P	P	P
1903110003	KABIR CHAUDHARY	P	P	P	P	P	P	P	P	P
1903100004	MANISHA RAJ	P	P	P	P	P	P	P	P	P
2003100001	NEHA GOYAL	P	P	P	P	P	P	P	P	P
1903100007	NISHU YADAV	P	P	P	P	P	P	P	P	P
1912770002	PRERNA BHATT	P	P	P	P	P	P	P	P	P
1903100002	PRIYA GARG	P	P	P	P	P	P	P	P	P
2012770002	RUCHI SHUKLA	P	P	P	P	P	P	P	P	P
1903100003	SHREYA VERMA	P	P	P	P	P	P	P	P	P
1912770003	SHRUTI POPTANI	P	P	P	P	P	P	P	P	P
1903100006	YASH DAGAR	P	P	P	P	P	P	P	P	P
1912770004	YASHIKA KUMARI	P	P	P	P	P	P	P	P	P

Registrar
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DEAN *Meena*
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Sohna road, Gurugram

[Signature]
COURSE INCHARGE



ATTENDANCE SHEET
VAC COURSE FOR ACADEMIC YEAR 2021-22
COURSE CODE: VAC116
COURSE TITLE: UNDERSTANDING RESEARCH

ROLL NO	NAME	12-Feb-22	14-Feb-22	15-Feb-22	19-Feb-22	22-Feb-22	25-Feb-22	1-Mar-22	6-Mar-22	12-Mar-22
2011260012	ARISHA KUMARI	P	P	P	P	P	P	P	P	A
2003110001	JEETIKA	P	P	P	P	A	P	P	P	P
2003100001	NEHA GOYAL	P	P	A	P	P	P	P	P	P
2003240001	ABHAY BARWAL	P	P	P	P	P	P	P	P	A
1903100008	AARTI GANGADHAR SHINDE	P	P	P	P	P	P	P	P	P
2003240001	ABHAY BARWAL	P	P	P	P	P	P	P	P	P
1903110001	AGNIVESH TIWARI	P	P	P	P	P	P	P	P	P
1912770001	AHAN DEY	P	P	P	A	P	P	P	P	P
1903110002	AMIT TANWAR	P	P	P	P	P	P	P	P	P
1903100001	ANJALI CHAUHAN	A	P	P	P	P	P	P	P	P
2011260012	ARISHA KUMARI	A	P	P	P	A	P	P	P	P
2012770003	ARUSHI SHARMA	A	P	P	P	P	P	P	P	P
2108772001	AYUSH GUPTA	P	P	P	P	P	P	P	P	P
1903100009	CHHAVI KAUSHIK	P	P	P	A	P	P	A	P	P
1903100005	HUNNY	P	P	P	P	P	A	P	P	P
2003110001	JEETIKA	P	P	P	P	P	P	P	P	P
1903110003	KABIR CHAUDHARY	P	P	A	P	P	P	P	P	P
1903100004	MANISHA RAJ	P	P	P	P	P	P	P	P	P
2003100001	NEHA GOYAL	P	P	P	P	P	P	P	P	P
1903100007	NISHU YADAV	A	P	P	A	P	P	P	P	P
1912770002	PRERNA BHATT	P	P	P	P	P	P	P	P	P
1903100002	PRIYA GARG	P	P	P	P	P	P	P	P	P
2012770002	RUCHI SHUKLA	P	P	P	P	P	A	P	A	P
1903100003	SHREYA VERMA	P	P	P	P	P	P	P	P	P
1912770003	SHRUTI POPTANI	P	P	P	P	P	P	A	P	P
1903100006	YASH DAGAR	P	P	P	P	P	P	P	P	A
1912770004	YASHIKA KUMARI	P	P	P	P	P	P	A	A	P

COURSE INCHARGE

Registrar
K.R. Mangalam University
(Haridwar)

DEAN
School of Basic & Applied Sciences (SBAS) DEAN
K.R. Mangalam University
Sahana road, Gurugram

Meer



ATTENDANCE SHEET
VAC COURSE FOR ACADEMIC YEAR 2021-22
COURSE CODE: VAC116
COURSE TITLE: UNDERSTANDING RESEARCH

ROLL NO	NAME	14-Mar-22	15-Mar-22	18-Mar-22	19-Mar-22	TOTAL	Present	Percentage
2011260012	ARISHA KUMARI	P	P	P	P	35	30	85.71
2003110001	JEETIKA	P	P	P	P	35	28	80.00
2003100001	NEHA GOYAL	P	P	P	P	35	28	80.00
2003240001	ABHAY BARWAL	P	P	P	P	35	33	94.29
1903100008	AARTI GANGADHAR SHINDE	P	P	P	P	35	34	97.14
2003240001	ABHAY BARWAL	P	A	P	P	35	32	91.43
1903110001	AGNIVESH TIWARI	P	A	P	P	35	34	97.14
1912770001	AHAN DEY	P	A	P	A	35	31	88.57
1903110002	AMIT TANWAR	P	A	P	P	35	33	94.29
1903100001	ANJALI CHAUHAN	P	A	P	P	35	33	94.29
2011260012	ARISHA KUMARI	P	A	P	P	35	31	88.57
2012770003	ARUSHI SHARMA	P	A	P	A	35	32	91.43
2108772001	AYUSH GUPTA	P	A	P	P	35	33	94.29
1903100009	CHHAVI KAUSHIK	P	A	A	P	35	30	85.71
1903100005	HUNNY	P	P	P	P	35	32	91.43
2003110001	JEETIKA	A	P	A	P	35	33	94.29
1903110003	KABIR CHAUDHARY	P	P	P	A	35	31	88.57
1903100004	MANISHA RAJ	P	P	P	P	35	33	94.29
2003100001	NEHA GOYAL	P	P	P	A	35	31	88.57
1903100007	NISHU YADAV	P	P	P	P	35	32	91.43
1912770002	PRERNA BHATT	P	P	P	P	35	32	91.43
1903100002	PRIYA GARG	P	P	P	P	35	32	91.43
2012770002	RUCHI SHUKLA	P	P	P	A	35	31	88.57
1903100003	SHREYA VERMA	P	P	P	P	35	32	91.43
1912770003	SHRUTI POPTANI	P	P	A	A	35	32	91.43
1903100006	YASH DAGAR	P	P	P	P	35	33	94.29
1912770004	YASHIKA KUMARI	P	A	A	A	35	29	82.86

COURSE INCHARGE

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

DEAN
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K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

VALUE ADDED COURSE

ACADEMIC YEAR 2021-22

COURSE CODE: VAC116

COURSE TITLE: UNDERSTANDING RESEARCH
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	2021-22	2011260012	ARISHA KUMARI	B.El.Ed.	Semester-IV	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF EDUCATION (SOED)
2	2021-23	2003110001	JEETIKA	B.Sc (H) Math	Semester-IV	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
3	2021-24	2003100001	NEHA GOYAL	B.Sc (H) Chem	Semester-IV	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
4	2021-25	2003240001	ABHAY BARWAL	B.Sc Program	Semester-IV	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
5	2021-26	1903100008	AARTI GANGADHAR S	B.Sc (H) Chem	Semester-VI	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
6	2021-27	2003240001	ABHAY BARWAL	B.Sc Program	Semester-IV	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
7	2021-28	1903110001	AGNIVESH TIWARI	B.Sc (H) Math	Semester-VI	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
8	2021-29	1912770001	AHAN DEY	BACHELOR OF ARTS (H)	Semester-VI	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF HUMANITIES (SOHS)
9	2021-30	1903110002	AMIT TANWAR	B.Sc (H) Math	Semester-VI	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
10	2021-31	1903100001	ANJALI CHAUHAN	B.Sc (H) Chem	Semester-VI	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
11	2021-32	2011260012	ARISHA KUMARI	B.El.Ed.	Semester-IV	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF EDUCATION (SOED)
12	2021-33	2012770003	ARUSHI SHARMA	BACHELOR OF ARTS (H)	Semester-IV	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF HUMANITIES (SOHS)
13	2021-34	2108772001	AVUSH GUPTA	BACHELOR OF ARTS (H)	Semester-IV	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF HUMANITIES (SOHS)
14	2021-35	1903100009	CHHAVI KAUSHIK	B.Sc (H) Chem	Semester-VI	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
15	2021-36	1903100005	HUNNY	B.Sc (H) Chem	Semester-VI	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
16	2021-37	2003110001	JEETIKA	B.Sc (H) Math	Semester-VI	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
17	2021-38	1903110003	KABIR CHAUDHARY	B.Sc (H) Math	Semester-VI	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
18	2021-39	1903100004	MANISHA RAJ	B.Sc (H) Chem	Semester-VI	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
19	2021-40	2003100001	NEHA GOYAL	B.Sc (H) Chem	Semester-VI	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
20	2021-41	1903100007	NISHU YADAV	B.Sc (H) Chem	Semester-VI	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
21	2021-42	1912770002	PRERNA BHATT	BACHELOR OF ARTS (H)	Semester-VI	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF HUMANITIES (SOHS)
22	2021-43	1903100002	PRIYA GARG	B.Sc (H) Chem	Semester-VI	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)
23	2021-44	2012770002	RUCHI SHUKLA	BACHELOR OF ARTS (H)	Semester-IV	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF HUMANITIES (SOHS)
24	2021-45	1903100003	SHREYA VERMA	B.Sc (H) Chem	Semester-VI	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
25	2021-46	1912770003	SHRUTI POPTANI	BACHELOR OF ARTS (H)	Semester-VI	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF HUMANITIES (SOHS)
26	2021-47	1903100006	YASH DAGAR	B.Sc (H) Chem	Semester-VI	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF BASIC AND APPLIED SCIENCES (SBAS)
27	2021-48	1912770004	YASHIKA KUMARI	BACHELOR OF ARTS (H)	Semester-VI	VAC116	UNDERSTANDING RESEARCH	SCHOOL OF HUMANITIES (SOHS)

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This is to certify that **ARISHA KUMARI**, University Enrolment No **2011260012** of **BACHELOR OF ELEMENTARY EDUCATION** programme has successfully qualified **VALUE ADDED COURSE VAC116 (UNDERSTANDING RESEARCH)** during Academic Session **2021-22 (Even Semester)**.

Date: 01.09.2022

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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 VAC116** (**UNDERSTANDING RESEARCH**) during Academic Session **2021-22 (Even Semester)**.

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This is to certify that **AARTI GANGADHAR SHINDE**, University Enrolment No **1903100008** of **BACHELOR OF SCIENCE (HONS) - CHEMISTRY** programme has successfully qualified **VALUE ADDED COURSE VAC116 (UNDERSTANDING RESEARCH)** during Academic Session **2021-22 (Even Semester)**.

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This is to certify that **AGNIVESH TIWARI**, University Enrolment No **1903110001** of **BACHELOR OF SCIENCE (HONS) - MATHEMATICS** programme has successfully qualified **VALUE ADDED COURSE VAC116 (UNDERSTANDING RESEARCH)** during Academic Session **2021-22 (Even Semester)**.

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This is to certify that **AHAN DEY**, University Enrolment No **1912770001** of **BACHELOR OF ARTS (HONS) Chinese** programme has successfully qualified **VALUE ADDED COURSE VAC116 (UNDERSTANDING RESEARCH)** during Academic Session **2021-22 (Even Semester)**.

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Ahan Dey

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This is to certify that **AMIT TANWAR**, University Enrolment No **1903110002** of **BACHELOR OF SCIENCE (HONS) - MATHEMATICS** programme has successfully qualified **VALUE ADDED COURSE VAC116 (UNDERSTANDING RESEARCH)** during Academic Session **2021-22 (Even Semester)**.

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This is to certify that **ANJALI CHAUHAN**, University Enrolment No **1903100001** of **BACHELOR OF SCIENCE (HONS) - CHEMISTRY** programme has successfully qualified **VALUE ADDED COURSE VAC116 (UNDERSTANDING RESEARCH)** during Academic Session **2021-22 (Even Semester)**.

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This is to certify that **ARUSHI SHARMA**, University Enrolment No **2012770003** of **BACHELOR OF ARTS (HONS) Chinese** programme has successfully qualified **VALUE ADDED COURSE VAC116 (UNDERSTANDING RESEARCH)** during Academic Session **2021-22 (Even Semester)**.

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This is to certify that **AYUSH GUPTA**, University Enrolment No **2108772001** of **BACHELOR OF ARTS (HONS) Chinese** programme has successfully qualified **VALUE ADDED COURSE VAC116 (UNDERSTANDING RESEARCH)** during Academic Session **2021-22 (Even Semester)**.

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This is to certify that **CHHAVI KAUSHIK**, University Enrolment No **1903100009** of **BACHELOR OF SCIENCE (HONS) - CHEMISTRY** programme has successfully qualified **VALUE ADDED COURSE VAC116 (UNDERSTANDING RESEARCH)** during Academic Session 2021-22 (Even Semester).

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This is to certify that **HUNNY**, University Enrolment No **1903100005** of **BACHELOR OF SCIENCE (HONS) - CHEMISTRY** programme has successfully qualified **VALUE ADDED COURSE VAC116 (UNDERSTANDING RESEARCH)** during Academic Session **2021-22 (Even Semester)**.

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This is to certify that **JEETIKA**, University Enrolment No **2003110001** of **BACHELOR OF SCIENCE (HONS) - MATHEMATICS** programme has successfully qualified **VALUE ADDED COURSE VAC116 (UNDERSTANDING RESEARCH)** during Academic Session **2021-22 (Even Semester)**.

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This is to certify that **KABIR CHAUDHARY**, University Enrolment No **1903110003** of **BACHELOR OF SCIENCE (HONS) - MATHEMATICS** programme has successfully qualified **VALUE ADDED COURSE VAC116 (UNDERSTANDING RESEARCH)** during Academic Session 2021-22 (Even Semester).

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This is to certify that **MANISHA RAJ**, University Enrolment No **1903100004** of **BACHELOR OF SCIENCE (HONS) - CHEMISTRY** programme has successfully qualified **VALUE ADDED COURSE VAC116 (UNDERSTANDING RESEARCH)** during Academic Session 2021-22 (Even Semester).

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This is to certify that **NEHA GOYAL**, University Enrolment No **2003100001** of **BACHELOR OF SCIENCE (HONS) - CHEMISTRY** programme has successfully qualified **VALUE ADDED COURSE VAC116 (UNDERSTANDING RESEARCH)** during Academic Session **2021-22 (Even Semester)**.

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This is to certify that **NISHU YADAV**, University Enrolment No **1903100007** of **BACHELOR OF SCIENCE (HONS) - CHEMISTRY** programme has successfully qualified **VALUE ADDED COURSE VAC116 (UNDERSTANDING RESEARCH)** during Academic Session 2021-22 (Even Semester).

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This is to certify that **PRERNA BHATT**, University Enrolment No **1912770002** of **BACHELOR OF ARTS (HONS) Chinese** programme has successfully qualified **VALUE ADDED COURSE VAC116 (UNDERSTANDING RESEARCH)** during Academic Session **2021-22 (Even Semester)**.

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This is to certify that **PRIYA GARG**, University Enrolment No **1903100002** of **BACHELOR OF SCIENCE (HONS) - CHEMISTRY** programme has successfully qualified **VALUE ADDED COURSE VAC116 (UNDERSTANDING RESEARCH)** during Academic Session **2021-22 (Even Semester)**.

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This is to certify that **RUCHI SHUKLA**, University Enrolment No **2012770002** of **BACHELOR OF ARTS (HONS) Chinese** programme has successfully qualified **VALUE ADDED COURSE VAC116 (UNDERSTANDING RESEARCH)** during Academic Session **2021-22 (Even Semester)**.

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This is to certify that **SHREYA VERMA**, University Enrolment No **1903100003** of **BACHELOR OF SCIENCE (HONS) - CHEMISTRY** programme has successfully qualified **VALUE ADDED COURSE VAC116 (UNDERSTANDING RESEARCH)** during Academic Session 2021-22 (Even Semester).

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This is to certify that **SHRUTI POPTANI**, University Enrolment No **1912770003** of **BACHELOR OF ARTS (HONS) Chinese** programme has successfully qualified **VALUE ADDED COURSE VAC116 (UNDERSTANDING RESEARCH)** during Academic Session **2021-22 (Even Semester)**.

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This is to certify that **YASH DAGAR**, University Enrolment No **1903100006** of **BACHELOR OF SCIENCE (HONS) - CHEMISTRY** programme has successfully qualified **VALUE ADDED COURSE VAC116 (UNDERSTANDING RESEARCH)** during Academic Session **2021-22 (Even Semester)**.

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This is to certify that **YASHIKA KUMARI**, University Enrolment No **1912770004** of **BACHELOR OF ARTS (HONS) Chinese** programme has successfully qualified **VALUE ADDED COURSE VAC116 (UNDERSTANDING RESEARCH)** during Academic Session **2021-22 (Even Semester)**.

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