

VAC017	CYBERSECURITY
Contact Hours	30 Hours
Prerequisite	Nil

Course Description

This course offers undergraduate students an in-depth exploration of cybersecurity fundamentals. Students will gain a solid understanding of key concepts, strategies, and best practices to protect digital assets and sensitive information. The course encompasses a blend of theoretical knowledge, hands-on exercises, and real-world case studies to prepare students for the evolving landscape of cybersecurity challenges.

Course Objectives

- Understand the principles of encryption and secure communication.
- Implement strategies for securing networks, systems, and data.
- Demonstrate knowledge of security policies, regulations, and compliance.
- Develop skills in ethical hacking and penetration testing.

Course Outcomes

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

CO 1: Define cybersecurity and its importance in modern digital environments.

CO 2: Identify common types of cyber threats and attacks.

CO 3: Analyze vulnerabilities in computer systems and networks.

CO 4: Demonstrate knowledge of security policies, regulations, and compliance.

Course Outline

Module 1: Introduction to Cybersecurity

3 hours

- Definition and importance of cybersecurity
- Evolution of cyber threats and attack vectors
- Legal and ethical considerations in cybersecurity

Module 2: Cyber Threat Landscape

3 hours

- Types of cyber threats: malware, phishing, ransomware, etc.
- Cyber attack lifecycle: reconnaissance, infiltration, exfiltration
- Case studies of high-profile cyber attacks

Module 3: Principles of Cryptography **4 hours**

- Fundamentals of encryption and decryption
- Symmetric and asymmetric encryption algorithms
- Public key infrastructure (PKI) and digital signatures

Module 4: Securing Networks and Systems **4 hours**

- Network security concepts: firewalls, IDS/IPS, VPNs
- Hardening operating systems and applications
- Principles of secure coding and software development

Module 5: Cybersecurity Policies and Compliance **4 hours**

- Creating and enforcing security policies
- Understanding compliance frameworks (e.g., GDPR, HIPAA)
- Roles and responsibilities in maintaining cybersecurity

Module 6: Incident Response and Digital Forensics **3 hours**

- Preparing for and responding to cyber incidents
- Basics of digital forensics and evidence collection
- Chain of custody and legal considerations

Module 7: Ethical Hacking and Penetration Testing **3 hours**

- Introduction to ethical hacking and penetration testing
- Penetration testing methodologies and tools
- Reporting vulnerabilities and findings

Module 8: Cybersecurity Collaboration and Communication **3 hours**

- Importance of teamwork in cybersecurity
- Effective communication with technical and non-technical stakeholders
- Developing cybersecurity awareness programs

Module 9: Emerging Trends in Cybersecurity **3 hours**

- Exploring AI and machine learning in cybersecurity
- IoT and its security challenges
- Future directions and career opportunities in cybersecurity

Practicum

Throughout the course, students will engage in hands-on exercises and practical assignments covering various aspects of cybersecurity. These assignments may include setting up secure network configurations, conducting basic penetration testing, analyzing cyber incidents, and developing security policies.

Textbook

Smith, D., & Jang, E. (2021). Cybersecurity Essentials. Pearson.

Reference Books

Easttom, C. (2022). Computer Security Fundamentals. Pearson.

Nystrom, M., & Ghee, B. (2020). Network Security Essentials: Applications and Standards. Pearson.

Whitman, M. E., & Mattord, H. J. (2019). Management of Information Security. Cengage Learning.

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



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



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/2019-20/ 1095 (B)

Dated: 3rd August, 2019

NOTICE

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

Course Code	Course Title	Coordinating Department / School	Duration
VAC017	Cybersecurity	SOET	30 Hrs.
VAC018	Data Analytics and Visualization	SOET	30 Hrs.
VAC021	Cloud Computing	SOET	30 Hrs.

- Maximum 100 seats are available for the course.
- Course Start Date: 03 September 2019
- Course End Date: 01 November 2019

All interested students are required to confirm their registration with the Dean-School of Engineering & Technology latest by 23rd August, 2019.

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Registrar

Copy to:

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

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



ATTENDANCE SHEET
VAC COURSE FOR ACADEMIC YEAR 2019-20
COURSE CODE: VAC017
COURSE TITLE: CYBERSECURITY

ROLL NO	NAME	PROGRAMME	SEMESTER	3-Sep-19	4-Sep-19	5-Sep-19	6-Sep-19	7-Sep-19	8-Sep-19	11-Sep-19
1901010001	RENU JAKHAR	B.Tech CSE	Semester I	A	P	P	P	A	P	P
1901010002	PIYUSH RAGHUVANSHI	B.Tech CSE	Semester I	P	P	P	P	P	P	P
1901010011	TANISH JAISWAL	B.Tech CSE	Semester I	A	P	P	P	P	P	P
1901010012	SIDDARTH WATTAL	B.Tech CSE	Semester I	P	P	P	P	P	P	P
1901010016	GAJENDER SINGH	B.Tech CSE	Semester I	P	P	P	P	P	P	P
1901010017	PRATEEK GARG	B.Tech CSE	Semester I	P	P	P	P	P	P	P
1901010019	KUNAL KUMAR	B.Tech CSE	Semester I	P	P	P	P	P	A	P
1901010020	MOHIT CHAHAL	B.Tech CSE	Semester I	P	P	P	P	P	P	P
1901010028	ALKA KUMARI	B.Tech CSE	Semester I	P	P	P	P	P	P	P
1901010029	PRIYANSHU	B.Tech CSE	Semester I	P	P	P	P	P	P	P
1901830001	JAI BAHL	B.Sc. (H) Cyber Security	Semester I	P	P	P	P	P	P	A
1901830002	VARDAAN WADHWA	B.Sc. (H) Cyber Security	Semester I	A	P	P	P	P	P	P
1901830004	NITIN SEHRAWAT	B.Sc. (H) Cyber Security	Semester I	P	P	P	P	P	P	P
1901830005	KOMAL YADAV	B.Sc. (H) Cyber Security	Semester I	A	P	A	P	P	P	P
1901830007	ANIKET KUMAR MISHRA	B.Sc. (H) Cyber Security	Semester I	P	A	A	P	P	P	P
1901840001	PAWAN KUMAR GIRI	B.Sc. (H) DS	Semester I	P	A	P	P	P	P	P
1901840002	ISHVAK SUD	B.Sc. (H) DS	Semester I	P	A	P	P	P	P	P
1901840003	GAURAV TRIPATHI	B.Sc. (H) DS	Semester I	P	A	A	P	P	P	P
1902070001	LAKSHYA SHARMA	B.Com (H)	Semester I	A	P	A	P	A	P	P
1902070002	TANISHA SHARMA	B.Com (H)	Semester I	P	A	P	P	A	P	P
1902070003	VIPIN YADAV	B.Com (H)	Semester I	A	P	A	A	A	P	P
1701010023	ABHIJEET DHAKA	B.Tech CSE	Semester I	P	P	P	P	A	P	P
1701010025	AMAN CHAUDHRY	B.Tech CSE	Semester V	P	P	P	P	P	P	P
1701010017	AKSHITA AWASTHI	B.Tech CSE	Semester V	P	P	P	P	P	P	P
1701010027	GOURAV AHUJA	B.Tech CSE	Semester V	P	P	P	P	P	P	P
1701010029	ANUBHAV PAL	B.Tech CSE	Semester V	P	P	P	P	P	P	P
1701010030	SHAHBAZ KHAN	B.Tech CSE	Semester V	A	P	P	P	P	P	P
1701010031	SPARSHIT SINGH	B.Tech CSE	Semester V	P	P	P	P	P	P	P
1701010032	ROHIT SIWACH	B.Tech CSE	Semester V	P	P	P	P	P	P	P
1701010020	PREM VERMA	B.Tech CSE	Semester V	P	P	A	P	P	P	P
1701010035	VAIBHAV SHARMA	B.Tech CSE	Semester V	A	P	P	P	P	P	P
1701010036	DIVYANSH SAGAR	B.Tech CSE	Semester V	P	P	P	P	P	P	P
1701010037	DEBADUTTA PANDA	B.Tech CSE	Semester V	P	P	A	P	P	P	P
1701010039	RISHABH JAIN	B.Tech CSE	Semester V	A	A	P	P	P	P	P
1701010040	RAUNAK JHA	B.Tech CSE	Semester V	P	P	P	A	P	A	P
1701010041	TUSHAR SHARMA	B.Tech CSE	Semester V	A	P	P	P	P	P	P
1701010042	AMIT KUMAR SHARMA	B.Tech CSE	Semester V	P	A	A	P	P	P	P
1701010043	MANISH AGHI	B.Tech CSE	Semester V	P	P	A	A	P	P	P

(Signature)

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K.R. Mangalam University
 Sohna Road, Gurugram

Date: _____
 Page: _____
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 Sohna Road, Gurugram



ATTENDANCE SHEET
VAC COURSE FOR ACADEMIC YEAR 2019-20
COURSE CODE: VAC017
COURSE TITLE: CYBERSECURITY

ROLL NO	NAME	13-Sep-19	14-Sep-19	17-Sep-19	19-Sep-19	19-Sep-192	22-Sep-19	24-Sep-19	26-Sep-19	28-Sep-19	1-Oct-19
1901010001	RENU JAKHAR	P	P	P	A	P	A	P	P	P	P
1901010002	PIYUSH RAGHUVANSHI	P	P	P	P	P	P	P	P	P	P
1901010011	TANISH JAISWAL	P	P	P	P	P	P	P	P	P	P
1901010012	SIDDARTH WATTAL	P	P	P	A	P	A	P	P	P	P
1901010016	GAJENDER SINGH	P	P	P	P	P	P	P	P	P	P
1901010017	PRATEEK GARG	P	P	P	P	P	P	P	P	P	P
1901010019	KUNAL KUMAR	P	P	P	P	A	P	P	P	P	P
1901010020	MOHIT CHAHAL	P	P	P	P	P	A	P	P	P	P
1901010028	ALKA KUMARI	P	P	P	P	P	P	P	P	P	A
1901010029	PRIVANSHU	P	P	P	P	P	A	P	P	P	P
1901830001	JAI BAHL	P	P	P	P	P	P	P	P	P	P
1901830002	VARDaan WADHWA	P	P	P	P	P	P	P	P	P	P
1901830004	NITIN SEHRAWAT	P	P	A	P	P	P	P	P	P	P
1901830005	KOMAL YADAV	P	A	P	P	P	P	P	P	P	P
1901830007	ANIKET KUMAR MISHRA	P	A	P	P	P	P	P	P	P	P
1901840001	PAWAN KUMAR GIRI	P	P	P	P	P	P	P	P	P	P
1901840002	ISHVAK SUD	P	P	P	P	A	P	P	P	P	P
1901840003	GAURAV TRIPATHI	P	A	P	P	P	A	P	P	P	P
1902070001	LAKSHYA SHARMA	P	A	P	P	P	P	P	P	P	P
1902070002	TANISHA SHARMA	A	P	P	P	P	P	P	P	P	P
1902070003	VIPIN YADAV	P	P	P	P	A	P	P	P	P	P
1701010023	ABHIJEET DHAKA	P	P	P	P	P	P	P	P	P	A
1701010025	AMAN CHAUDHRY	P	P	P	P	P	P	P	P	P	P
1701010017	AKSHITA AWASTHI	A	P	P	P	P	P	P	P	P	P
1701010027	GOURAV AHUJA	P	P	P	P	P	P	P	P	P	P
1701010029	ANUBHAV PAL	P	P	P	P	A	P	P	P	P	P
1701010030	SHAHBAZ KHAN	P	P	P	P	P	A	P	P	P	P
1701010031	SPARSHIT SINGH	P	P	A	P	P	A	P	P	P	P
1701010032	ROHIT SIWACH	P	P	P	P	P	P	P	P	P	A
1701010020	PREM VERMA	P	P	P	P	P	P	P	P	P	P
1701010035	VAIBHAV SHARMA	P	P	P	P	P	A	P	P	A	P
1701010036	DIVYANSH SAGAR	P	P	P	P	P	A	P	P	A	P
1701010037	DEBADUTTA PANDA	P	A	P	P	P	P	P	P	P	P
1701010039	RISHABH JAIN	P	A	P	P	P	P	P	P	P	P
1701010040	RAUNAK JHA	P	P	P	P	P	P	P	P	P	P
1701010041	TUSHAR SHARMA	P	P	P	A	P	P	P	P	P	P
1701010042	AMIT KUMAR SHARMA	A	P	P	P	P	P	P	P	P	P
1701010043	MANISH AGHI	P	A	P	P	P	P	P	P	P	P

[Signature]

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K.R. Mangalam University



ATTENDANCE SHEET
VAC COURSE FOR ACADEMIC YEAR 2019-20
COURSE CODE: VAC017
COURSE TITLE: CYBERSECURITY

ROLL NO	NAME	3-Oct-19	4-Oct-19	8-Oct-19	9-Oct-19	10-Oct-19	11-Oct-19	13-Oct-19	15-Oct-19	16-Oct-19	19-Oct-19
1901010001	RENU JAKHAR	P	P	A	P	P	P	P	P	P	P
1901010002	PIYUSH RAGHUVANSHI	A	P	P	P	P	A	A	A	P	A
1901010011	TANISH JAISWAL	P	P	P	P	A	P	P	P	P	A
1901010012	SIDDARTH WATTAL	A	P	P	A	P	P	A	A	P	P
1901010016	GAJENDER SINGH	P	P	P	P	P	P	P	P	A	P
1901010017	PRATEEK GARG	P	P	P	P	P	P	P	P	A	P
1901010019	KUNAL KUMAR	A	P	P	P	A	P	P	P	A	P
1901010020	MOHIT CHAHAL	P	P	P	P	A	P	P	P	P	P
1901010028	ALKA KUMARI	P	P	P	P	A	P	P	P	P	P
1901010029	PRIYANSHU	P	P	P	P	A	P	P	P	P	P
1901830001	JAI BAHL	P	P	P	A	P	P	P	P	P	A
1901830002	VARDAAN WADHWA	P	P	P	P	P	P	P	P	P	P
1901830004	NITIN SEHRAWAT	P	P	P	P	P	A	P	A	P	A
1901830005	KOMAL YADAV	P	P	P	P	P	P	P	P	P	P
1901830007	ANIKET KUMAR MISHRA	P	P	P	P	P	P	P	P	P	P
1901840001	PAWAN KUMAR GIRI	P	P	P	P	P	P	P	P	P	P
1901840002	ISHVAK SUD	P	P	P	P	P	A	P	P	P	P
1901840003	GAURAV TRIPATHI	P	P	P	A	A	P	A	P	P	P
1902070001	LAKSHYA SHARMA	A	P	P	A	P	P	P	P	P	P
1902070002	TANISHA SHARMA	P	P	P	A	P	P	P	P	P	A
1902070003	VIPIN YADAV	P	P	P	A	P	P	P	P	P	P
1701010023	ABHIJEET DHAKA	A	P	P	P	P	A	P	P	A	P
1701010025	AMAN CHAUDHRY	P	P	P	P	A	A	P	P	P	A
1701010017	AKSHITA AWASTHI	A	P	P	A	P	P	P	P	P	A
1701010027	GOURAV AHUJA	P	P	P	P	P	P	P	A	P	P
1701010029	ANUBHAV PAL	P	P	P	P	P	P	P	P	P	P
1701010030	SHAHBAZ KHAN	A	P	P	P	A	P	A	P	P	A
1701010031	SPARSHIT SINGH	P	P	P	P	P	P	P	P	P	P
1701010032	ROHIT SIWACH	P	P	P	P	P	P	P	P	A	P
1701010020	PREM VERMA	P	P	P	P	P	P	P	P	P	P
1701010035	VAIBHAV SHARMA	P	P	P	A	P	A	P	P	P	P
1701010036	DIVYANSH SAGAR	P	P	P	P	P	A	P	P	P	P
1701010037	DEBADUTTA PANDA	P	P	P	P	P	P	P	P	P	P
1701010039	RISHABH JAIN	P	P	P	P	P	P	P	A	P	P
1701010040	RAUNAK JHA	P	P	P	P	P	P	P	P	P	P
1701010041	TUSHAR SHARMA	P	P	P	A	P	P	P	P	A	P
1701010042	AMIT KUMAR SHARMA	P	P	P	P	P	P	P	P	P	P
1701010043	MANISH AGHI	P	P	P	A	P	P	A	P	P	P

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Sohna Road, Gurugram



ATTENDANCE SHEET
VAC COURSE FOR ACADEMIC YEAR 2019-20
COURSE CODE: VAC017
COURSE TITLE: CYBERSECURITY

ROLL NO	NAME	19-Oct-19	22-Oct-19	23-Oct-19	24-Oct-19	26-Oct-19	29-Oct-19	30-Oct-19	1-Nov-19	Total	Present	Percentage
1901010001	RENU JAKHAR	P	A	P	P	A	P	P	P	35	28	80.00
1901010002	PIYUSH RAGHUVANSHI	P	P	P	P	P	A	P	P	35	29	82.86
1901010011	TANISH JAISWAL	P	P	A	P	P	A	P	A	35	30	85.71
1901010012	SIDDARTH WATTAL	P	A	P	P	P	P	P	A	35	27	77.14
1901010016	GAJENDER SINGH	P	A	P	P	P	A	P	P	35	31	88.57
1901010017	PRATEEK GARG	P	P	A	P	P	P	P	P	35	31	88.57
1901010019	KUNAL KUMAR	P	P	P	P	P	A	P	P	35	31	88.57
1901010020	MOHIT CHAHAL	A	A	P	P	P	A	P	P	35	29	82.86
1901010028	ALKA KUMARI	P	P	P	P	P	A	P	P	35	30	85.71
1901010029	PRIYANSHU	P	P	P	P	P	P	A	P	35	31	88.57
1901830001	JAI BAHL	P	P	P	P	P	P	P	A	35	31	88.57
1901830002	VARDAAN WADHWA	P	P	P	P	P	P	P	A	35	29	82.86
1901830004	NITIN SEHRAWAT	P	P	P	P	P	P	P	P	35	32	91.43
1901830005	KOMAL YADAV	P	P	P	P	P	P	P	P	35	31	88.57
1901830007	ANIKET KUMAR MISHRA	P	P	P	P	P	P	P	P	35	30	85.71
1901840001	PAWAN KUMAR GIRI	P	P	P	P	P	P	P	P	35	30	85.71
1901840002	ISHVAK SUD	P	P	P	P	P	P	P	P	35	27	77.14
1901840003	GAURAV TRIPATHI	P	P	P	P	P	P	P	P	35	28	80.00
1902070001	LAKSHYA SHARMA	P	A	P	P	P	P	P	P	35	29	82.86
1902070002	TANISHA SHARMA	P	P	P	P	P	P	P	P	35	30	85.71
1902070003	VIPIN YADAV	P	A	P	P	P	P	P	P	35	34	97.14
1701010023	ABHIJEET DHAKA	P	A	P	P	P	A	P	P	35	31	88.57
1701010025	AMAN CHAUDHRY	P	P	A	P	P	A	P	P	35	31	88.57
1701010017	AKSHITA AWASTHI	P	P	P	P	P	A	P	P	35	32	91.43
1701010027	GOURAV AHUJA	P	P	P	P	P	P	P	P	35	30	85.71
1701010029	ANUBHAV PAL	P	P	P	P	P	P	P	P	35	34	97.14
1701010030	SHAHBAZ KHAN	P	P	P	P	P	P	P	P	35	31	88.57
1701010031	SPARSHIT SINGH	P	A	P	P	P	A	P	P	35	31	88.57
1701010032	ROHIT SIWACH	P	P	P	P	P	A	P	P	35	28	80.00
1701010020	PREM VERMA	P	A	P	P	P	A	P	P	35	32	91.43
1701010035	VAIBHAV SHARMA	P	P	P	P	P	P	A	P	35	28	80.00
1701010036	DIVYANSH SAGAR	P	P	P	P	P	P	P	P	35	30	85.71
1701010037	DEBADUTTA PANDA	P	P	P	P	P	P	A	P	35	32	91.43
1701010039	RISHABH JAIN	P	P	P	P	P	P	P	P	35	31	88.57
1701010040	RAUNAK JHA	P	P	P	P	P	P	P	A	35	30	85.71
1701010041	TUSHAR SHARMA	P	P	P	P	P	P	P	P	35	28	80.00
1701010042	AMIT KUMAR SHARMA	P	P	P	P	P	P	P	P	35	33	94.29
1701010043	MANISH AGHI	P	P	P	A	P	P	P	P	35	27	77.14
										35	30	85.71

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K.R. MANGALAM UNIVERSITY

THE COMPLETE WORLD OF EDUCATION

VALUE ADDED COURSE (VAC)

ACADEMIC YEAR 2019-20

COURSE CODE: VAC017

COURSE TITLE: CYBERSECURITY

COURSE OFFERED BY: SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)

LIST OF STUDENTS COMPLETING THE COURSE

S.NO	SESSION	ROLL NO	NAME	PROGRAMME	SEMESTER	COURSE CODE	COURSE TITLE	SCHOOL
1	2019-20	1901010001	RENU JAKHAR	B.Tech CSE	Semester I	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
2	2019-20	1901010002	PIYUSH RAGHUVANSHI	B.Tech CSE	Semester I	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
3	2019-20	1901010011	TANISH JAISWAL	B.Tech CSE	Semester I	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
4	2019-20	1901010012	SIDDARTH WATTAL	B.Tech CSE	Semester I	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
5	2019-20	1901010016	GAJENDER SINGH	B.Tech CSE	Semester I	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
6	2019-20	1901010017	PRATEEK GARG	B.Tech CSE	Semester I	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
7	2019-20	1901010019	KUNAL KUMAR	B.Tech CSE	Semester I	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
8	2019-20	1901010020	MOHIT CHAHAL	B.Tech CSE	Semester I	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
9	2019-20	1901010028	ALKA KUMARI	B.Tech CSE	Semester I	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
10	2019-20	1901010029	PRIYANSHU	B.Tech CSE	Semester I	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
11	2019-20	1901830001	JAI BAHL	B.Sc. (H) Cyber Security	Semester I	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
12	2019-20	1901830002	VARDAAN WADHWA	B.Sc. (H) Cyber Security	Semester I	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
13	2019-20	1901830004	NITIN SEHRAWAT	B.Sc. (H) Cyber Security	Semester I	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
14	2019-20	1901830005	KOMAL YADAV	B.Sc. (H) Cyber Security	Semester I	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
15	2019-20	1901830007	ANIKET KUMAR MISHRA	B.Sc. (H) Cyber Security	Semester I	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
16	2019-20	1901840001	PAWAN KUMAR GIRI	B.Sc. (H) DS	Semester I	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
17	2019-20	1901840002	ISHVAK SUD	B.Sc. (H) DS	Semester I	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
18	2019-20	1901840003	GAURAV TRIPATHI	B.Sc. (H) DS	Semester I	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
19	2019-20	1902070001	LAKSHYA SHARMA	B.Com (H)	Semester I	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
20	2019-20	1902070002	TANISHA SHARMA	B.Com (H)	Semester I	VAC017	CYBERSECURITY	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
21	2019-20	1902070003	VIPIAN YADAV	B.Com (H)	Semester I	VAC017	CYBERSECURITY	SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)
22	2019-20	1701010023	ABHIJEET DHAKA	B.Tech CSE	Semester V	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
23	2019-20	1701010025	AMAN CHAUDHRY	B.Tech CSE	Semester V	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
24	2019-20	1701010017	AKSHITA AWASTHI	B.Tech CSE	Semester V	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
25	2019-20	1701010027	GOURAV AHUJA	B.Tech CSE	Semester V	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
26	2019-20	1701010029	ANUBHAV PAL	B.Tech CSE	Semester V	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)

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VALUE ADDED COURSE (VAC)

ACADEMIC YEAR 2019-20

COURSE CODE: VAC017

COURSE TITLE: CYBERSECURITY

COURSE OFFERED BY: SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)

LIST OF STUDENTS COMPLETING THE COURSE

S.NO	SESSION	ROLL NO	NAME	PROGRAMME	SEMESTER	COURSE CODE	COURSE TITLE	SCHOOL
27	2019-20	1701010030	SHAHBAZ KHAN	B.Tech CSE	Semester V	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
28	2019-20	1701010031	SPARSHIT SINGH	B.Tech CSE	Semester V	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
29	2019-20	1701010032	ROHIT SIWACH	B.Tech CSE	Semester V	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
30	2019-20	1701010020	PREM VERMA	B.Tech CSE	Semester V	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
31	2019-20	1701010035	VAIBHAV SHARMA	B.Tech CSE	Semester V	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
32	2019-20	1701010036	DIVYANSH SAGAR	B.Tech CSE	Semester V	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
33	2019-20	1701010037	DEBADUTTA PANDA	B.Tech CSE	Semester V	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
34	2019-20	1701010039	RISHABH JAIN	B.Tech CSE	Semester V	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
35	2019-20	1701010040	RAUNAK JHA	B.Tech CSE	Semester V	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
36	2019-20	1701010041	TUSHAR SHARMA	B.Tech CSE	Semester V	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
37	2019-20	1701010042	AMIT KUMAR SHARMA	B.Tech CSE	Semester V	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)
38	2019-20	1701010043	MANISH AGHI	B.Tech CSE	Semester V	VAC017	CYBERSECURITY	SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)

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This is to certify that **AMIT KUMAR SHARMA**, University Enrolment No **1701010042** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **MANISH AGHI**, University Enrolment No **1701010043** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **ABHIJEET DHAKA**, University Enrolment No **1701010023** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017** (**Cybersecurity**) during Academic Session **2019-20** (Odd Semester).

Date: 10.01.2020

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This is to certify that **AMAN CHAUDHRY**, University Enrolment No **1701010025** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **AKSHITA AWASTHI**, University Enrolment No **1701010017** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **GOURAV AHUJA**, University Enrolment No **1701010027** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **ANUBHAV PAL**, University Enrolment No **1701010029** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

Anubhav

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This is to certify that **SHAHBAZ KHAN**, University Enrolment No **1701010030** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **SPARSHIT SINGH**, University Enrolment No **1701010031** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **ROHIT SIWACH**, University Enrolment No **1701010032** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **PREM VERMA**, University Enrolment No **1701010020** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **VAIBHAV SHARMA**, University Enrolment No **1701010035** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

h. sharma

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This is to certify that **DIVYANSH SAGAR**, University Enrolment No **1701010036** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **DEBADUTTA PANDA**, University Enrolment No **1701010037** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017** (Cybersecurity) during Academic Session **2019-20** (Odd Semester).

Date: 10.01.2020

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This is to certify that **RISHABH JAIN**, University Enrolment No **1701010039** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **RAUNAK JHA**, University Enrolment No **1701010040** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **TUSHAR SHARMA**, University Enrolment No **1701010041** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **RENU JAKHAR**, University Enrolment No **1901010001** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **PIYUSH RAGHUVANSHI**, University Enrolment No **1901010002** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017** (Cybersecurity) during Academic Session **2019-20** (Odd Semester).

Date: 10.01.2020

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This is to certify that **TANISH JAISWAL**, University Enrolment No **1901010011** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **SIDDARTH WATTAL**, University Enrolment No **1901010012** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **GAJENDER SINGH**, University Enrolment No **1901010016** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **PRATEEK GARG**, University Enrolment No **1901010017** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **KUNAL KUMAR**, University Enrolment No **1901010019** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **MOHIT CHAHAL**, University Enrolment No **1901010020** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **ALKA KUMARI**, University Enrolment No **1901010028** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **PRIYANSHU**, University Enrolment No **1901010029** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC017** (**Cybersecurity**) during Academic Session **2019-20** (Odd Semester).

Date: 10.01.2020

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This is to certify that **JAI BAHL**, University Enrolment No **1901830001** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC017** (**Cybersecurity**) during Academic Session **2019-20** (Odd Semester).

Date: 10.01.2020

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This is to certify that **VARDAAN WADHWA**, University Enrolment No **1901830002** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **NITIN SEHRAWAT**, University Enrolment No **1901830004** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **KOMAL YADAV**, University Enrolment No **1901830005** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **ANIKET KUMAR MISHRA**, University Enrolment No **1901830007** of **B.Sc. (H) Cyber Security** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **PAWAN KUMAR GIRI**, University Enrolment No **1901840001** of **B.Sc. (H) DS** programme has successfully qualified **VALUE ADDED COURSE VAC017** (Cybersecurity) during Academic Session **2019-20** (Odd Semester).

Date: 10.01.2020

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This is to certify that **ISHVAK SUD**, University Enrolment No **1901840002** of **B.Sc. (H) DS** programme has successfully qualified **VALUE ADDED COURSE VAC017** (**Cybersecurity**) during Academic Session **2019-20** (Odd Semester).

Date: 10.01.2020

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This is to certify that **GAURAV TRIPATHI**, University Enrolment No **1901840003** of **B.Sc. (H) DS** programme has successfully qualified **VALUE ADDED COURSE VAC017** (Cybersecurity) during Academic Session **2019-20** (Odd Semester).

Date: 10.01.2020

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This is to certify that **LAKSHYA SHARMA**, University Enrolment No **1902070001** of **B.Com (H)** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **TANISHA SHARMA**, University Enrolment No **1902070002** of **B.Com (H)** programme has successfully qualified **VALUE ADDED COURSE VAC017 (Cybersecurity)** during Academic Session **2019-20 (Odd Semester)**.

Date: 10.01.2020

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This is to certify that **VIPIN YADAV**, University Enrolment No **1902070003** of **B.Com (H)** programme has successfully qualified **VALUE ADDED COURSE VAC017** (**Cybersecurity**) during Academic Session **2019-20** (Odd Semester).

Date: 10.01.2020

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