



# Indra Ganesan

## COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai  
Accredited by NAAC with 'B+' Grade, 2(f) & 12B Status Institution by UGC

IG Valley, Madurai Main Road, Manikandam, Tiruchirappalli - 620012

# NAAC DOCUMENTS

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## QUALITY INDICATOR FRAME WORK

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### CRITERION – 1

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## CURRICULAR ASPECTS

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SUBMITTED BY

**IQAC**

INTERNAL QUALITY ASSURANCE CELL

**INDRA GANESAN COLLEGE OF ENGINEERING**





**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**ACADEMIC YEAR 2021-2022 / ODD SEMESTER**

**1.2 Academic Flexibility (30)**

**1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs,SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)**

**AND**

**1.2.2 Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years**

<b>VAC Title:</b>	<b>ETHICAL HACKING</b>				
<b>Resource Person:</b>	<b>Mr. A.R.Sooriyaoli, Managing Director, Blue Fire Xpert Infotech OPC PVT LTD, Trichy.</b>				
<b>Date of conduct from:</b>	<b>13.12.2021</b>	<b>To:</b>	<b>18.12.2021</b>	<b>Duration:</b>	<b>36 Hours</b>
<b>Organized Department:</b>	<b>COMPUTER SCIENCE AND ENGINEERING</b>				
<b>Participant Year:</b>	<b>CSE IV,III,II, and M.E-I,II</b>	<b>Semester:</b>	<b>ODD</b>	<b>No. of Students Registered:</b>	<b>96</b>
<b>Venue:</b>	<b>SD Lab Network Lab</b>				

**Table of Content**

<b>S. No</b>	<b>Document</b>	<b>Page No</b>
1.	VAC Circular	3-3
2.	VAC Schedule	4-4
3.	List of the Students Participation	5-7
4.	Attendance Of Students	8-15
5.	VAC Test Paper	16-17
6.	VAC Answer Key	18-18
7.	VAC Test Answer Sheet- Sample	19-20
8.	VAC Mark Statement	21-27
9.	VAC Report	28-29
10.	Course Completion Certificates	33-51



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### Department of Computer Science & Engineering

Academic Year 2021-2022 – Odd Semester

06.12.2021

#### DEPARTMENT CIRCULAR

Department of Computer Science and Engineering and IQAC of IGCE in association with Blue Fire Xperts Infotech OPC Pvt Ltd is going to organized Value Added Course for BE- II,III,IV and M.E I,II year students on “Ethical Hacking” from 13.12.2021 to 18.012.2021. Certificates will be issued to the eligible participants at the end of the Course. This training is to be provided in our campus

Resource Person	<ol style="list-style-type: none"><li>1. Mr. A.R.Sooriyaoli, Managing Director, Blue Fire Xperts Infotech OPC Pvt Ltd, Trichy,</li><li>2. Mr. V.Roshan Trainer Blue Fire Xperts Infotech OPC Pvt Ltd, Trichy</li></ol>
Venue 1	SD LAB
Venue 2	NETWORK LAB

  
HOD/CSE

  
PRINCIPAL

Cc:

- Principal Office
- IQAC Co-Ordinator
- HoD/ CSE,
- Class In charges - IV-Year ME II Year
- IV-Year CSE , ME II Students
- Office File
- Notice Board

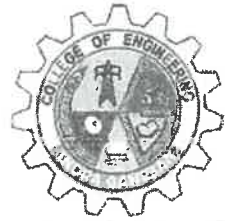
  
Dr. G. Balakrishnan, M.E., Ph.D.,  
Principal  
Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012



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### Department of Computer Science & Engineering

Academic Year 2021-2022 – Odd Semester

**Value Added Course on**

**“Ethical Hacking”**

### **SYLLABUS & SCHEDULE**

S.NO	TOPIC COVERED	DURATION (in hours)	DATE
1	<b>Ethical Hacking Overviews</b> <ul style="list-style-type: none"><li>➤ Hacking concept, what is hacking?</li><li>➤ Terms we use in hacking.</li><li>➤ Need of Ethical hacking.</li><li>➤ Cases of Hacking in India &amp; across the globe</li></ul>	3	13.12.2021
2	<b>Principles of Ethical hacking</b> <ul style="list-style-type: none"><li>➤ Basic Principle</li><li>➤ Commandments of Ethical Hacking</li></ul>	3	13.12.2021
3	<b>Hacking Methodologies</b> <ul style="list-style-type: none"><li>➤ Types of Hacking.</li><li>➤ Building the foundation for Ethical hacking</li><li>➤ Hacking Phases</li></ul>	3	14.12.2021
4	<b>Role of Ethical Hacker</b> <ul style="list-style-type: none"><li>➤ Types of Hackers</li><li>➤ Roles and Responsibility</li></ul>	3	14.12.2021
5	<b>Scope &amp; limitations of hacking</b> <ul style="list-style-type: none"><li>➤ Advantages &amp; scope for hacking</li><li>➤ Drawbacks &amp; Limitation of hacking</li></ul>	3	15.12.2021
6	<b>Cyber Threats and Attacks Vectors</b> <ul style="list-style-type: none"><li>➤ Threats &amp; categories</li><li>➤ Attack Vectors and Exploitation</li></ul>	3	15.12.2021
7	<b>Hacking tools and techniques</b> <ul style="list-style-type: none"><li>➤ Common Hacking Tools</li><li>➤ Hacking Techniques &amp; Approaches</li></ul>	3	16.12.2021
8	<b>Policies and Controls</b> <b>Information Security policies</b> <ul style="list-style-type: none"><li>➤ Risk Management &amp; Incident Management</li><li>➤ Information Security controls</li><li>➤ Data Management</li></ul>	5	16.12.2021
9	<b>Overview of PT / VA.</b>	3	17.12.2021

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### Department of Computer Science & Engineering

#### Academic Year 2021-2022 – Odd Semester

	<ul style="list-style-type: none"><li>➤ Concept of Penetration testing Types of Penetration testing</li><li>➤ Phases of Penetration testing</li><li>➤ Vulnerability Assessment by Penetration testing</li><li>➤ Access Control</li></ul>		
10	<b>Footprinting through Search Engines, Web Services</b> <ul style="list-style-type: none"><li>➤ Information Gathering Using Google Advanced Search and Image Search</li><li>➤ VoIP and VPN Footprinting through Google Hacking Database</li></ul>	5	18.12.2021
11	<b>Exam</b>	1	18.12.2021
<b>Total Hours</b>		<b>36</b>	-

  
VAC Coordinator

  
HoD/CSE



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### Department of Computer Science & Engineering

Academic Year 2021-2022 – Odd Semester

#### Value Added Course

#### Ethical Hacking

#### STUDENTS PARTICIPATION LIST

S.No.	Reg.No	Student's Name	Year/ Branch
1.	811218104001	Aishwarya M	IV/CSE
2.	811218104002	Ajith Kumar R	IV/CSE
3.	811218104003	Aravindh Samy P	IV/CSE
4.	811218104004	Arjun V	IV/CSE
5.	811218104005	Dharshini A	IV/CSE
6.	811218104006	Dinesh Kumar K	IV/CSE
7.	811218104007	Gowtham K	IV/CSE
8.	811218104008	Hariharan N	IV/CSE
9.	811218104009	Hema Latha B	IV/CSE
10.	811218104010	Jegathiswari.D	IV/CSE
11.	811218104011	Joshi Dayana K	IV/CSE
12.	811218104012	Kanagaraj K S	IV/CSE
13.	811218104013	Kiruthiga V	IV/CSE
14.	811218104014	Madhavan S	IV/CSE
15.	811218104015	Mahendran S	IV/CSE
16.	811218104017	Muthaiya P	IV/CSE
17.	811218104018	Neethimozhi A	IV/CSE
18.	811218104019	Nithya P	IV/CSE
19.	811218104020	Nivedha S	IV/CSE
20.	811218104021	Priyanga.G	IV/CSE
21.	811218104022	Ramya R	IV/CSE
22.	811218104023	Sharvesh Charan.S.A	IV/CSE
23.	811218104024	Sathasivam P	IV/CSE
24.	811218104026	Shalini P	IV/CSE
25.	811218104027	Shanmuganathan P	IV/CSE
26.	811218104028	Sheela.S	IV/CSE
27.	811218104029	Sudhakaran C	IV/CSE

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#### Academic Year 2021-2022 – Odd Semester

S.No.	Reg.No	Student's Name	Year/ Branch
28.	811218104030	Sugasini.G	IV/CSE
29.	811218104031	Vaishnavi G	IV/CSE
30.	811218104032	Vigna Sri S	IV/CSE
31.	811218104033	Vijaya Dharani K	IV/CSE
32.	811218104034	Vinothini S	IV/CSE
33.	811218104501	Sivasangari C	IV/CSE
34.	811219104001	Arun R	III/CSE
35.	811219104002	Balamanikandaprabhu B R	III/CSE
36.	811219104003	Bharathi S	III/CSE
37.	811219104004	Gowtham C	III/CSE
38.	811219104005	Indhumathi S	III/CSE
39.	811219104006	Ishwarya P	III/CSE
40.	811219104007	Kalaiyaran V	III/CSE
41.	811219104008	Keerthika K	III/CSE
42.	811219104009	Keerthika V	III/CSE
43.	811219104010	Krishi Gowtham R	III/CSE
44.	811219104011	Logadipa Sp	III/CSE
45.	811219104012	Mohamed Newsath M	III/CSE
46.	811219104013	Moorthi C	III/CSE
47.	811219104014	Nancy C	III/CSE
48.	811219104016	Praveen K	III/CSE
49.	811219104017	Ranjana S	III/CSE
50.	811219104018	Ravinya K	III/CSE
51.	811219104020	Saranya P	III/CSE
52.	811219104021	Suvalakshmi P	III/CSE
53.	811219104022	Sweatha B	III/CSE
54.	811219104023	Vigneshwaran V	III/CSE
55.	811219104024	Vijayalakshmi B	III/CSE
56.	811219104025	Vincy Sharmila K	III/CSE
57.	811219104026	Yathesh M	III/CSE
58.	811220104002	Akshaya T	II/CSE
59.	811220104004	Appas Ali D	II/CSE

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#### Academic Year 2021-2022 – Odd Semester

S.No.	Reg.No	Student's Name	Year/ Branch
60.	811220104005	Aravindh V K	II/CSE
61.	811220104007	Ayisha Siddeequa A	II/CSE
62.	811220104008	Benasir S	II/CSE
63.	811220104012	Cibina S	II/CSE
64.	811220104013	Devi K	II/CSE
65.	811220104014	Divyadharshini A	II/CSE
66.	811220104015	Divyakeerthan P	II/CSE
67.	811220104016	Gayathri P	II/CSE
68.	811220104017	Gnanaprakasam A	II/CSE
69.	811220104018	Gowrisankar G	II/CSE
70.	811220104019	Hariharan K	II/CSE
71.	811220104021	John P	II/CSE
72.	811220104024	Kamali A	II/CSE
73.	811220104025	Kamatchi S	II/CSE
74.	811220104027	Kiruthika M	II/CSE
75.	811220104029	Mathavan N	II/CSE
76.	811220104031	Monisha R	II/CSE
77.	811220104032	Priya P	II/CSE
78.	811220104033	Priyadharshini G	II/CSE
79.	811220104039	Sathyapriya N	II/CSE
80.	811220104041	Sivaranjani M	II/CSE
81.	811220104043	Sneka R	II/CSE
82.	811220104045	Sridhar P	II/CSE
83.	811220104046	Sumithira R	II/CSE
84.	811220104048	Swarnambigai V	II/CSE
85.	811220104050	Thirumavalavan K	II/CSE
86.	811220104051	Vinith Roshan A	II/CSE
87.	811220104052	Yuvaraj M	II/CSE
88.	811220104053	Yuva Sri S	II/CSE
89.	811220104301	Santhosh Kumar S	II/CSE
90.	811220405001	Deepa Lakshmi N	II/M.E
91.	811220405002	Iswarya R	II/M.E

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### Department of Computer Science & Engineering

#### Academic Year 2021-2022 – Odd Semester

S.No.	Reg.No	Student's Name	Year/ Branch
92.	811220405003	Karthiga M	II/M.E
93.	811220405004	Karthika M	II/M.E
94.	811220405005	Ramalakshmi M	I/M.E
95.	811221405001	Madhumathi K	I/M.E
96.	811221405002	Vinitha Devi P	I/M.E

  
VAC Coordinator

  
HoD/CSE



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*(Handwritten signature)*

## Department of Computer Science & Engineering

Academic Year 2021-2022 – Odd Semester

### STUDENTS ATTENDANCE LIST

### Value Added Course

### Ethical Hacking

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S.No.	Reg.No	Student's Name	Year/ Branch	13.12.21		14.12.21		15.12.21		16.12.21		17.12.21		18.12.21		NO OF SESSIONS ATTENDED	SIGNATURE OF THE STUDENT
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN		
1.	811218104001	Aishwarya M	IV CSE	/	/	/	/	P	P	^	^	/	/	/	/	12	Aishwarya
2.	811218104002	Ajith Kumar R	IV CSE	/	/	/	/	P	P	^	^	/	/	/	/	12	Ajith Kumar
3.	811218104003	Aravindh Samy P	IV CSE	/	/	/	/	P	P	^	^	/	/	/	/	12	Aravindh
4.	811218104004	Arjun V	IV CSE	/	/	/	/	P	P	^	^	/	/	/	/	12	Arjun
5.	811218104005	Dharshini A	IV CSE	/	/	/	/	P	A	^	^	/	/	/	/	11	Dharshini
6.	811218104006	Dinesh Kumar K	IV CSE	/	/	/	/	P	P	^	^	/	/	/	/	12	Dinesh
7.	811218104007	Gowtham K	IV CSE	/	/	/	/	P	P	^	^	/	/	/	/	12	Gowtham
8.	811218104008	Hariharan N	IV CSE	/	/	/	/	P	P	^	^	/	/	/	/	12	Hariharan
9.	811218104009	Hema Latha B	IV CSE	/	/	/	/	P	P	^	^	A	/	/	/	11	Hema
10.	811218104010	Jegathiswari.D	IV CSE	/	/	/	/	P	P	^	^	/	/	/	/	12	Jegathiswari
11.	811218104011	Joshi Dayana K	IV CSE	/	/	/	/	P	P	^	^	/	/	/	/	12	Joshi
12.	811218104012	Kanagaraj K S	IV CSE	/	/	/	/	P	P	^	^	/	/	/	/	12	Kanagaraj
13.	811218104013	Kiruthiga V	IV CSE	/	/	/	/	P	P	^	^	/	/	/	/	12	Kiruthiga
14.	811218104014	Madhavan S	IV CSE	/	/	/	/	P	P	^	^	/	/	/	/	12	Madhavan
15.	811218104015	Mahendran S	IV CSE	/	/	/	/	P	P	^	^	/	/	/	/	12	Mahendran



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## Department of Computer Science & Engineering

Academic Year 2021-2022 – Odd Semester

16.	811218104017	Muthaiya P	IV CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Muthaiya P
17.	811218104018	Neethimozhi A	IV CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Neethimozhi A
18.	811218104019	Nithya P	IV CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Nithya P
19.	811218104020	Nivedha S	IV CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Nivedha S
20.	811218104021	Priyanga.G	IV CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Priyanga.G
21.	811218104022	Ramya R	IV CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	R. Ramya
22.	811218104023	Sharvesh Charan.S.A	IV CSE	1	1	1	1	P	P	<	<	1	1	1	1	11	Sharvesh Charan.S.A
23.	811218104024	Sathasivam P	IV CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Sathasivam P
24.	811218104026	Shalini P	IV CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Shalini P
25.	811218104027	Shanmuganathan P	IV CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Shanmuganathan P
26.	811218104028	Sheela.S	IV CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Sheela.S
27.	811218104029	Sudhakaran C	IV CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Sudhakaran C
28.	811218104030	Sugasini.G	IV CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Sugasini.G
29.	811218104031	Vaishnavi G	IV CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Vaishnavi G
30.	811218104032	Vigna Sri S	IV CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Vigna Sri S
31.	811218104033	Vijaya Dharani K	IV CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Vijaya Dharani K
32.	811218104034	Vinothini S	IV CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Vinothini S
33.	811218104501	Sivasangari C	IV CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Sivasangari C
34.	811219104001	Arun R	III CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Arun R
35.	811219104002	Balamanikandaprabhu B R	III CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	B.R. Balamanikandaprabhu
36.	811219104003	Bharathi S	III CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	S. Bharathi



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## Department of Computer Science & Engineering

Academic Year 2021-2022 – Odd Semester

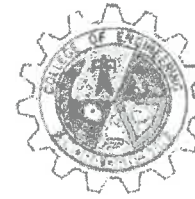
37.	811219104004	Gowtham C	III CSE	/	/	/	/	P	P	<	<	1	1	/	/	12	
38.	811219104005	Indhumathi S	III CSE	/	/	/	/	P	P	<	<	1	1	/	/	12	Indhumathi S
39.	811219104006	Ishwarya P	III CSE	/	/	/	/	P	P	<	<	1	1	/	/	12	Ishwarya P
40.	811219104007	Kalaiyarasan V	III CSE	/	/	/	/	P	P	<	<	1	1	/	/	12	Kalaiyarasan V
41.	811219104008	Keerthika K	III CSE	/	/	/	/	P	P	<	<	1	1	/	/	12	Keerthika K
42.	811219104009	Keerthika V	III CSE	/	/	/	/	P	P	<	<	1	1	/	/	12	Keerthika V
43.	811219104010	Krishi Gowtham R	III CSE	/	/	/	/	P	P	<	<	1	1	/	/	12	Krishi Gowtham R
44.	811219104011	Logadipa Sp	III CSE	/	/	/	/	P	P	<	<	1	1	/	/	12	Logadipa Sp
45.	811219104012	Mohamed Nowsath M	III CSE	/	/	/	/	A	P	<	<	1	1	/	/	11	Mohamed Nowsath M
46.	811219104013	Moorthi C	III CSE	/	/	/	/	P	P	<	<	1	1	/	/	12	Moorthi C
47.	811219104014	Nancy C	III CSE	/	/	/	/	P	P	<	<	1	1	/	/	12	Nancy C
48.	811219104016	Praveen K	III CSE	/	/	/	/	P	P	<	<	1	1	/	/	12	Praveen K
49.	811219104017	Ranjana S	III CSE	/	/	/	/	P	P	<	<	1	1	/	/	12	Ranjana S
50.	811219104018	Ravinya K	III CSE	/	/	/	/	P	P	<	<	1	1	/	/	12	Ravinya K
51.	811219104020	Saranya P	III CSE	/	/	/	/	P	P	<	<	1	1	/	/	12	Saranya P
52.	811219104021	Suvalakshmi P	III CSE	/	/	/	/	P	P	<	<	1	1	/	/	12	Suvalakshmi P
53.	811219104022	Sweatha B	III CSE	/	/	/	/	P	P	<	<	1	1	/	/	12	Sweatha B
54.	811219104023	Vigneshwaran V	III CSE	/	/	/	/	P	P	<	<	1	1	/	/	12	Vigneshwaran V
55.	811219104024	Vijayalakshmi B	III CSE	/	/	/	/	P	P	<	<	1	1	/	/	12	Vijayalakshmi B
56.	811219104025	Vincy Sharmila K	III CSE	/	/	/	/	P	P	<	<	1	1	/	/	12	Vincy Sharmila K
57.	811219104026	Yathesh M	III CSE	/	/	/	/	P	P	<	<	1	1	/	/	12	Yathesh M
58.	811220104002	Akshaya T	II CSE	/	/	/	/	P	P	<	<	1	1	/	/	12	Akshaya T



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### Department of Computer Science & Engineering

#### Academic Year 2021-2022 – Odd Semester

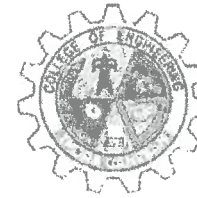
59.	811220104004	Appas Ali D	U/CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Appas Ali D
60.	811220104005	Aravindh V K	U/CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Aravindh V K
61.	811220104007	Ayisha Siddeeqa A	U/CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Ayisha Siddeeqa A
62.	811220104008	Benasir S	U/CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Benasir S
63.	811220104012	Cibina S	U/CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Cibina S
64.	811220104013	Devi K	U/CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Devi K
65.	811220104014	Divyadharshini A	U/CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Divyadharshini A
66.	811220104015	Divyakeerthan P	U/CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Divyakeerthan P
67.	811220104016	Gayathri P	U/CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Gayathri P
68.	811220104017	Gnanaprakasam A	U/CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Gnanaprakasam A
69.	811220104018	Gowrisankar G	U/CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Gowrisankar G
70.	811220104019	Hariharan K	U/CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Hariharan K
71.	811220104021	John P	U/CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	John P
72.	811220104024	Kamali A	U/CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Kamali A
73.	811220104025	Kamatchi S	U/CSE	1	1	1	1	P	P	<	<	1	1	1	A	11	Kamatchi S
74.	811220104027	Kiruthika M	U/CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Kiruthika M
75.	811220104029	Mathavan N	U/CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Mathavan N
76.	811220104031	Monisha R	U/CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Monisha R
77.	811220104032	Priya P	U/CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Priya P
78.	811220104033	Priyadharshini G	U/CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Priyadharshini G
79.	811220104039	Sathyapriya N	U/CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Sathyapriya N
80.	811220104041	Sivaranjani M	U/CSE	1	1	1	1	P	P	<	<	1	1	1	1	12	Sivaranjani M



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IG Valley, Medurai Main Road  
Manikandam, Trichy-620 012.

## Department of Computer Science & Engineering

Academic Year 2021-2022 – Odd Semester

81.	811220104043	Sneka R	11 CSE	1	1	1	1	P	P	A	A	1	1	1	1	12	R. Sneka
82.	811220104045	Sridhar P	11 CSE	1	1	1	1	P	P	A	A	1	1	1	1	12	Sridhar P
83.	811220104046	Sumithira R	11 CSE	1	1	1	1	P	P	A	A	1	1	1	1	12	Sumithira R
84.	811220104048	Swarnambigai V	11 CSE	1	1	1	1	P	P	A	A	1	1	1	1	12	Swarnambigai V
85.	811220104050	Thirumavalavan K	11 CSE	1	1	1	1	P	P	A	A	1	1	1	1	11	Thirumavalavan K
86.	811220104051	Vinith Roshan A	11 CSE	1	1	1	1	P	P	A	A	1	1	1	1	12	Vinith Roshan A
87.	811220104052	Yuvaraj M	11 CSE	1	1	1	1	P	P	A	A	1	1	1	1	12	Yuvaraj M
88.	811220104053	Yuva Sri S	11 CSE	1	1	1	1	P	P	A	A	1	1	1	1	12	Yuva Sri S
89.	811220104301	Santhosh Kumar S	11 CSE	1	1	1	1	P	P	A	A	1	1	1	1	12	Santhosh Kumar S
90.	811220405001	Deepa Lakshmi N	11 ME	1	1	1	1	P	P	A	A	1	1	1	1	12	Deepa Lakshmi N
91.	811220405002	Iswarya R	11 ME	1	1	1	1	P	P	A	A	1	1	1	1	12	Iswarya R
92.	811220405003	Karthiga M	11 ME	1	1	1	1	P	P	A	A	1	1	1	1	12	Karthiga M
93.	811220405004	Karthika M	11 ME	1	1	1	1	P	P	A	A	1	1	1	1	12	Karthika M
94.	811220405005	Ramalakshmi M	11 ME	1	1	1	1	P	P	A	A	1	1	1	1	12	Ramalakshmi M
95.	811221405001	Madhumathi K	11 ME	1	1	1	1	P	P	A	A	1	1	1	1	12	Madhumathi K
96.	811221405002	Vinitha Devi P	11 ME	1	1	1	1	P	P	A	A	1	1	1	1	12	Vinitha Devi P

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VAC Coordinator

*(Handwritten signature)*  
HoD/CSE



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### Department of Computer Science & Engineering

Academic Year 2021-2022 – Odd Semester

Name of the Student : Mohamed Nowbath . M

Year/Sem: V / III

AU Register Number: 811219104012

Value Added Course on "Ethical Hacking"

MCQ QUESTIONS (25X4 = 100 Marks)

27

25

1. What is Ethical Hacking?

- A) Hacking to steal sensitive information
- B) Hacking to identify vulnerabilities in a system
- C) Hacking to disrupt a system's functionality
- D) Hacking to cause damage to a system

2. What is the main goal of ethical hacking?

- A) To cause damage to a system
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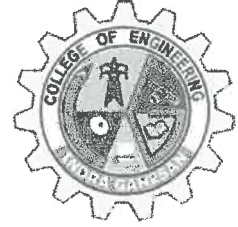
3. Which of the following is not a common method used in ethical hacking?

- A) Social engineering
- B) Penetration testing
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4. What is a firewall?

- A) A device used to prevent unauthorized access to a network
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**Department of Computer Science & Engineering**

**Academic Year 2021-2022 – Odd Semester**

**5. What is a honeypot?**

- A) A device used to lure attackers into a trap
- B) A type of malware that spreads through a network
- C) A tool used to test network performance
- D) A device used to monitor network traffic

**6. What is a man-in-the-middle attack?**

- A) An attack that intercepts communication between two parties
- B) An attack that infects a system with malware
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**7. What is a password cracker?**

- A) A tool used to guess passwords through trial and error
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**8. What is a vulnerability scanner?**

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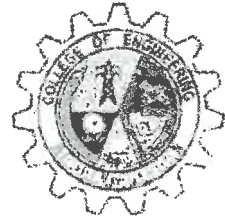




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### Department of Computer Science & Engineering

Academic Year 2021-2022 – Odd Semester

10. What is a Trojan horse?

- A) A type of malware that spreads through social media
- B) A type of malware that disguises itself as legitimate software
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11. What is a buffer overflow?

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12. What is a virtual private network (VPN)?

- A) A device used to encrypt network traffic
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13. What is an exploit?

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14. What is a payload?

- A) The encrypted data transmitted over a network
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### Department of Computer Science & Engineering

Academic Year 2021-2022 – Odd Semester

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### Department of Computer Science & Engineering

#### Academic Year 2021-2022 – Odd Semester

Name of the Student : Vinittha Devi . P

Year/Sem: I - M.E

AU Register Number: 811221405002

Value Added Course on “Ethical Hacking”

MCQ QUESTIONS (25X4 = 100 Marks)



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### Department of Computer Science & Engineering

Academic Year 2021-2022 – Odd Semester

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### Department of Computer Science & Engineering

Academic Year 2021-2022 – Odd Semester

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- A) A network of compromised computers used for malicious purposes
- B) A type of malware that steals sensitive information
- C) A type of malware that encrypts files on a system
- D) A type of attack that floods a network with traffic

16. Who is the father of Ethical Hacking?

- A) Ankit Fadia
- B) Gary McKinnon
- C) Kevin Mitnick
- D) Tsutomu Shimomura

17. In which year the term hacking was coined?

- A) 1950-54
- B) 1955-60
- C) 1965-67
- D) 1970-80

18. From where the term 'hacker' first came to existence?

- A) MIT
- B) California
- C) Bell's Lab
- D) Stanford University

19. FAT stands for in Ethical Hacking?

- A) Forensic Analysis Tool
- B) Format Allocation Test
- C) File Allocation Transfer
- D) File Allocation Tables

20. Existence of weakness in a system or network is called \_\_\_\_\_

- A) Attack
- B) Exploit
- C) Threat
- D) Vulnerability

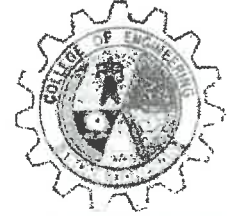
  
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**Department of Computer Science & Engineering**

**Academic Year 2021-2022 – Odd Semester**

**Value Added Course**

**Ethical Hacking**

**ANSWER KEY**

1	B	6	A	11	B	16	C	21	C
2	C	7	A	12	A	17	B	22	D
3	D	8	A	13	B	18	A	23	A
4	A	9	C	14	B	19	D	24	D
5	A	10	B	15	A	20	D	25	C

  
VAC Coordinator



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*Handwritten signature*

## Department of Computer Science & Engineering

Academic Year 2021-2022 –Odd Semester

Dr. G. Balakrishnan, M.E., Ph.D.,  
Principal  
Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012

### VALUE ADDED COURSE ASSESMENT SHEET

#### Ethical Hacking

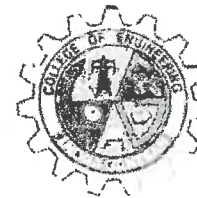
S.No.	Reg.No	Student's Name	Year/ Branch	Attendance Details		VAC-MCQ TEST		OVERALL MARK(100) (50% of A + 50% of B)
				No. of Hours Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	
1.	811218104001	Aishwarya M	IV/CSE	36	100	20	80	90
2.	811218104002	Ajith Kumar R	IV/CSE	36	100	15	60	72
3.	811218104003	Aravindh Samy P	IV/CSE	36	100	19	76	88
4.	811218104004	Arjun V	IV/CSE	36	100	22	88	94
5.	811218104005	Dharshini A	IV/CSE	36	100	18	72	82
6.	811218104006	Dinesh Kumar K	IV/CSE	36	100	17	68	80
7.	811218104007	Gowtham K	IV/CSE	30	83	18	72	86
8.	811218104008	Hariharan N	IV/CSE	36	100	17	68	76
9.	811218104009	Hema Latha B	IV/CSE	36	100	16	64	78
10.	811218104010	Jegathiswari.D	IV/CSE	36	100	16	64	78
11.	811218104011	Joshi Dayana K	IV/CSE	36	100	20	80	90
12.	811218104012	Kanagaraj K S	IV/CSE	36	100	20	80	90



# Indra Ganesan

## COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012  
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13 Valley, Madurai Main Road  
Manikandam, Trichy-620 012.

### Department of Computer Science & Engineering

Academic Year 2021-2022 –Odd Semester

S.No.	Reg.No	Student's Name	Year/ Branch	Attendance Details		VAC-MCQ TEST		OVERALL MARK(100) (50% of A + 50% of B)
				No. of Hours Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	
13.	811218104013	Kiruthiga V	IV/CSE	36	100	20	80	90
14.	811218104014	Madhavan S	IV/CSE	36	100	15	60	80
15.	811218104015	Mahendran S	IV/CSE	36	100	19	76	88
16.	811218104017	Muthaia P	IV/CSE	36	100	22	88	94
17.	811218104018	Neethimozhi A	IV/CSE	36	100	18	72	86
18.	811218104019	Nithya P	IV/CSE	36	100	17	68	84
19.	811218104020	Nivedha S	IV/CSE	30	83	18	72	78
20.	811218104021	Priyanga.G	IV/CSE	36	100	17	68	84
21.	811218104022	Ramya R	IV/CSE	36	100	16	64	82
22.	811218104023	Sharvesh Charan.S.A	IV/CSE	36	100	16	64	82
23.	811218104024	Sathasivam P	IV/CSE	36	100	20	80	90
24.	811218104026	Shalini P	IV/CSE	36	100	17	68	84
25.	811218104027	Shanmuganathan P	IV/CSE	30	83	18	72	78
26.	811218104028	Sheela.S	IV/CSE	36	100	17	68	84
27.	811218104029	Sudhakaran C	IV/CSE	36	100	16	64	82
28.	811218104030	Sugasini.G	IV/CSE	36	100	16	64	82
29.	811218104031	Vaishnavi G	IV/CSE	36	100	20	80	90
30.	811218104032	Vigna Sri S	IV/CSE	36	100	20	80	90



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## COLLEGE OF ENGINEERING

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Madurai Main Road  
Manikandam, Trichy-620 012.

### Department of Computer Science & Engineering

#### Academic Year 2021-2022 –Odd Semester

S.No.	Reg.No	Student's Name	Year/ Branch	Attendance Details		VAC-MCQ TEST		OVERALL MARK(100) (50% of A + 50% of B)
				No. of Hours Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	
31	811218104033	Vijaya Dharani K	IV/CSE	36	100	17	68	84
32	811218104034	Vinothini S	IV/CSE	30	83	18	72	77
33	811218104501	Sivasangari C	IV/CSE	36	100	17	68	84
34	811219104001	Arun R	III/CSE	36	100	16	64	82
35	811219104002	Balamanikandaprabhu B R	III/CSE	36	100	16	64	82
36	811219104003	Bharathi S	III/CSE	36	100	20	80	90
37	811219104004	Gowtham C	III/CSE	36	100	17	68	84
38	811219104005	Indhumathi S	III/CSE	30	83	18	72	77
39	811219104006	Ishwarya P	III/CSE	36	100	17	68	84
40	811219104007	Kalaiyaran V	III/CSE	36	100	16	64	82
41	811219104008	Keerthika K	III/CSE	36	100	16	64	82
42	811219104009	Keerthika V	III/CSE	36	100	20	80	90
43	811219104010	Krishi Gowtham R	III/CSE	36	100	20	80	90
44	811219104011	Logadipa Sp	III/CSE	36	100	16	64	82
45	811219104012	Mohamed Nowsath M	III/CSE	36	100	21	84	92
46	811219104013	Moorthi C	III/CSE	36	100	20	80	90
47	811219104014	Nancy C	III/CSE	36	100	20	80	90
48	811219104016	Praveen K	III/CSE	36	100	20	80	90



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Manikandam, Trichy-620 012.

### Department of Computer Science & Engineering

#### Academic Year 2021-2022 –Odd Semester

S.No.	Reg.No	Student's Name	Year/ Branch	Attendance Details		VAC-MCQ TEST		OVERALL MARK(100) (50% of A + 50% of B)
				No. of Hours Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	
49	811219104017	Ranjana S	III/CSE	36	100	17	68	80
50	811219104018	Ravinya K	III/CSE	30	83	18	72	86
51	811219104020	Saranya P	III/CSE	36	100	17	68	76
52	811219104021	Suvalakshmi P	III/CSE	36	100	16	64	78
53	811219104022	Sweatha B	III/CSE	36	100	16	64	78
54	811219104023	Vigneshwaran V	III/CSE	36	100	20	80	90
55	811219104024	Vijayalakshmi B	III/CSE	36	100	17	68	80
56	811219104025	Vincy Sharmila K	III/CSE	30	83	18	72	86
57	811219104026	Yathesh M	III/CSE	36	100	17	68	76
58	811220104002	Akshaya T	II/CSE	36	100	16	64	78
59	811220104004	Appas Ali D	II/CSE	36	100	16	64	92
60	811220104005	Aravindh V K	II/CSE	36	100	20	80	90
61	811220104007	Ayisha Siddeequa A	II/CSE	36	100	20	80	90
62	811220104008	Benasir S	II/CSE	36	100	16	64	78
63	811220104012	Cibina S	II/CSE	36	100	16	64	78
64	811220104013	Devi K	II/CSE	36	100	20	80	90
65	811220104014	Divyadharshini A	II/CSE	36	100	20	80	90
66	811220104015	Divyakeerthan P	II/CSE	36	100	20	80	90



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IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012

### Department of Computer Science & Engineering

Academic Year 2021-2022 –Odd Semester

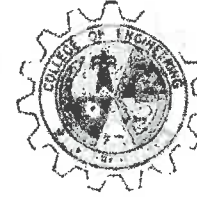
S.No.	Reg.No	Student's Name	Year/ Branch	Attendance Details		VAC-MCQ TEST		OVERALL MARK(100) (50% of A + 50% of B)
				No. of Hours Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	
67	811220104016	Gayathri P	II/CSE	36	100	17	68	76
68	811220104017	Gnanaprakasam A	II/CSE	36	100	16	64	78
69	811220104018	Gowrisankar G	II/CSE	36	100	16	64	78
70	811220104019	Hariharan K	II/CSE	36	100	20	80	90
71	811220104021	John P	II/CSE	36	100	20	80	90
72	811220104024	Kamali A	II/CSE	36	100	16	64	78
73	811220104025	Kamatchi S	II/CSE	36	100	16	64	78
74	811220104027	Kiruthika M	II/CSE	36	100	20	80	90
75	811220104029	Mathavan N	II/CSE	36	100	20	80	90
76	811220104031	Monisha R	II/CSE	36	100	20	80	90
77	811220104032	Priya P	II/CSE	36	100	16	64	78
78	811220104033	Priyadharshini G	II/CSE	36	100	16	64	78
79	811220104039	Sathyapriya N	II/CSE	36	100	20	80	90
80	811220104041	Sivaranjani M	II/CSE	36	100	20	80	90
81	811220104043	Sneka R	II/CSE	36	100	20	80	90
82	811220104045	Sridhar P	II/CSE	36	100	20	80	90
83	811220104046	Sumithira R	II/CSE	36	100	20	80	90
84	811220104048	Swarnambigai V	II/CSE	36	100	20	80	90



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## Department of Computer Science & Engineering

Academic Year 2021-2022 –Odd Semester

S.No.	Reg.No	Student's Name	Year/ Branch	Attendance Details		VAC-MCQ TEST		OVERALL MARK(100) (50% of A + 50% of B)
				No. of Hours Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	
85	811220104050	Thirumavalavan K	II/CSE	36	100	16	64	82
86	811220104051	Vinith Roshan A	II/CSE	36	100	16	64	82
87	811220104052	Yuvaraj M	II/CSE	36	100	20	80	90
88	811220104053	Yuva Sri S	II/CSE	36	100	20	80	90
89	811220104301	Santhosh Kumar S	II/CSE	36	100	20	80	90
90	811220405001	Deepa Lakshmi N	II/M.E	36	100	20	80	82
91	811220405002	Iswarya R	II/M.E	36	100	20	80	90
92	811220405003	Karthiga M	II/M.E	36	100	20	80	90
93	811220405004	Karthika M	II/M.E	36	100	20	80	78
94	811220405005	Ramalakshmi M	II/M.E	36	100	20	80	78
95	811221405001	Madhumathi K	I/M.E	36	100	20	80	90
96	811221405002	Vinitha Devi P	I/M.E	36	100	20	80	90

  
VAC Coordinator

  
Dr. G. Balakrishnan, M.E., Ph.D.  
Principal  
Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012

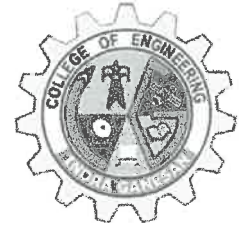
  
HoD/CSE



# Indra Ganesan

## COLLEGE OF ENGINEERING

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### Department of Computer Science & Engineering

Academic Year 2021-2022 – Odd Semester

### Report on Value Added Course

Title:	<b>Ethical Hacking</b>		
Resource Person:	Mr. A.R.Sooriyaoli, Managing Director, Blue Fire Xperts Infotech OPC Pvt Ltd, Trichv,	Mr. V.Roshan Trainer Blue Fire Xperts Infotech OPC Pvt Ltd, Trichv	
Date of conduct from :	13.12.2021	To: 18.12.2021	Duration: <b>36 Hours</b>
Organized Department :	COMPUTER SCIENCE AND ENGINEERING		
Participant Year:	B.E-II,III & IV- Year /CSE I,II ME	No. of Students Registered :	96
Venue:	SD LAB,NETWORKLAB		
<b>Outcome of Value Added Course (VAC): At the end of the Course, Students can able to</b>			
<ul style="list-style-type: none"> <li>Gain knowledge about Ethical hacking and penetration testing.Know the Ruby's built-in methods for manipulating strings, files, and hashes</li> <li>Develop object-oriented Ruby programs using classes and objects</li> <li>Manipulate strings using regular expressions</li> <li>Create useful stand-alone applications in Ruby</li> <li>Develop distributed web application using RMI, Servlets and JSP.</li> <li>Install Ruby gems (third-party libraries) using the gem utility</li> </ul>			
<b>Assessment Process</b>			
<ul style="list-style-type: none"> <li>Students, who are securing more than 70% on total score and secured more than 75% in attendance is eligible to receive the certificate for the VAC course conducted</li> <li>Total Score = (0.5 *Attendance in VAC out of 100 percentage + 0.5 *Test mark in VAC out of 100 marks)</li> </ul>			
 VAC Coordinator		 HoD/CSE	
 Principal			

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering

IG Valley, Madurai Main Road

Manikandam, Trichy-620 012.



# Indra Ganesan

## COLLEGE OF ENGINEERING


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### Department of Computer Science & Engineering

Academic Year 2021-2022 – Odd Semester

### Report on Value Added Course

Title:	<b>Ethical Hacking</b>		
Resource Person:	<b>Mr. A.R.Sooriyaoli, Managing Director, Blue Fire Xperts Infotech OPC Pvt Ltd, Trichy,</b>	<b>Mr. V.Roshan Trainer Blue Fire Xperts Infotech OPC Pvt Ltd, Trichy</b>	
Date of conduct from :	<b>13.12.2021</b>	To:	<b>18.12.2021</b>
		Duration:	<b>36 Hours</b>
Organized Department :	<b>COMPUTER SCIENCE AND ENGINEERING</b>		
Participant Year:	<b>B.E-II,III &amp; IV- Year /CSE I,II ME</b>	No. of Students Registered :	<b>96</b>
Venue:	<b>SD LAB,NETWORKLAB</b>		
Sample Photo			
	<b>VAC Coordinator</b>	<b>HoD/CSE</b>	<b>Principal</b>

Dr. G. Balakrishnan, M.E., Ph.D.,  
Principal  
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**Indra Ganesan**

**COLLEGE OF ENGINEERING**

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# CERTIFICATE OF PARTICIPATION

**Krishi Gowtham R**

*This is to certify that Mr/Ms. .... of*

**III/CSE**

*..... has successfully completed the Value Added Course on  
"Ethical Hacking" organized by Department of Computer Science and Engineering and IQAC of  
our Institution in Association with Blue Fire Xperts Infotech OPC Pvt Ltd from 13<sup>th</sup>  
DECEMBER 2021 to 18<sup>th</sup> DECEMBER 2021 (6days) during the Academic year 2021-2022.*

**A.R. Sooriyaoli,**  
*Managing Director,*  
*Blue Fire Xperts Infotech*

**Dr. G. Balakrishnan, M.E., Ph.D.,**  
Principal

Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012.

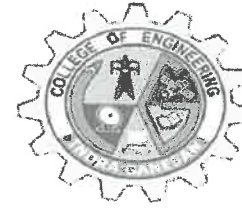
**PRINCIPAL**



**Indra Ganesan**

**COLLEGE OF ENGINEERING**

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# CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. **Ishwarya P** .....

..... of  
**III/CSE** ..... has successfully completed the Value Added Course on  
“Ethical Hacking” organized by Department of Computer Science and Engineering and IQAC of  
our Institution in Association with Blue Fire Xperts Infotech OPC Pvt Ltd from 13<sup>th</sup>  
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Managing Director,  
Blue Fire Xperts Infotech

**Dr. G. Balakrishnan, M.B., Ph.D.,**  
Principal  
Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
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**PRINCIPAL**



**Indra Ganesan**

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# CERTIFICATE OF PARTICIPATION

**Gowtham C**

This is to certify that Mr/Ms. .... of

**III/CSE**

..... has successfully completed the Value Added Course on  
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Managing Director,  
Blue Fire Xperts Infotech

**Dr. G. Balakrishnan, M.E., Ph.D.,**  
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**PRINCIPAL**



# Indra Ganesan

## COLLEGE OF ENGINEERING

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# CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. **Yathesh M** .....

**III/CSE**

..... has successfully completed the Value Added Course on  
"Ethical Hacking" organized by Department of Computer Science and Engineering and IQAC of  
our Institution in Association with Blue Fire Xperts Infotech OPC Pvt Ltd from 13<sup>th</sup>  
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**A.R. Sooriyaoli,**  
Managing Director,  
Blue Fire Xperts Infotech

**Dr. G. Balakrishnan**, M.E., Ph.D.,

Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012.

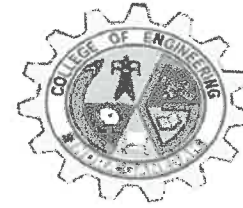
**PRINCIPAL**



# Indra Ganesan

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# CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. ....

**Nancy C**

**III/CSE**

of

..... has successfully completed the Value Added Course on  
"Ethical Hacking" organized by Department of Computer Science and Engineering and IQAC of  
our Institution in Association with Blue Fire Xperts Infotech OPC Pvt Ltd from 13<sup>th</sup>  
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**A.R. Sooriyaoli,**  
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Blue Fire Xperts Infotech

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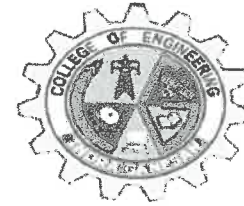
**PRINCIPAL**



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# CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. **Indhumathi S** .....

**III/CSE**

..... has successfully completed the Value Added Course on  
“Ethical Hacking” organized by Department of Computer Science and Engineering and IQAC of  
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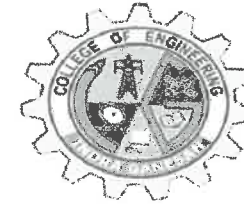
**PRINCIPAL**



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## CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. **Gowrisankar G** of  
.....**II/CSE**..... has successfully completed the Value Added Course on  
“Ethical Hacking” organized by Department of Computer Science and Engineering and IQAC of  
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## CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. **Divyadharshini A** ..... of  
..... **II/CSE** ..... has successfully completed the Value Added Course on  
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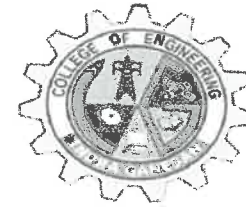




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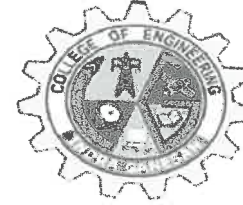
  
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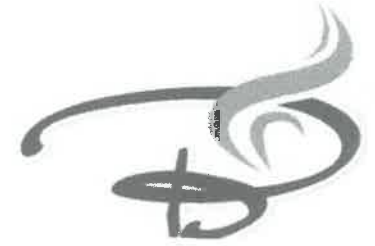
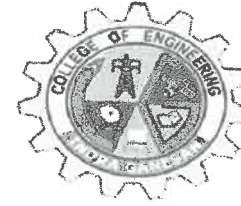
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This is to certify that Mr/Ms. **Sathyapriya N** ..... of  
..... **I/CSE**

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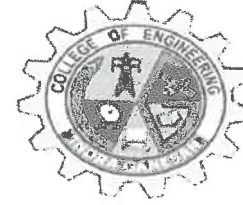
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.....  
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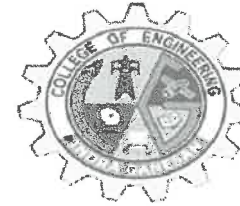
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**Mahendran S**

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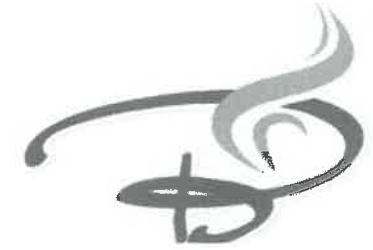
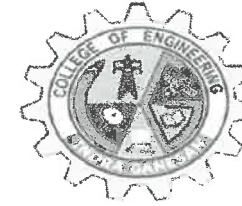
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**Kiruthiga V**

*This is to certify that Mr/Ms. .... of*

**IV/CSE**

*..... has successfully completed the Value Added Course on  
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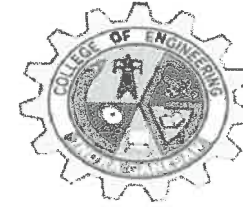
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This is to certify that Mr/Ms. **Jegathiswari.D** ..... of

**IV/CSE**

..... has successfully completed the Value Added Course on  
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Dr. G. Balakrishnan, Secretary & Head of

Principal

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# CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. **Hema Latha B** ..... of  
**IV/CSE** .....

..... has successfully completed the Value Added Course on  
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This is to certify that Mr/Ms. **Hariharan N** .....

**IV/CSE**

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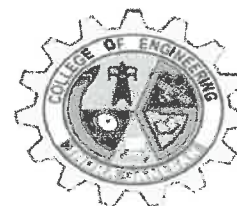
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**Ajith Kumar R**

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This is to certify that Mr/Ms. **Vinitha Devi P** .....

**I/M.E CSE** .....

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