Capacity Development and skills Enhancement Activity

AWARENESS OF TRENDS IN TECHNOLOGY

ETHICAL HACKING AND PENETRATION TESTING

Website : www.rgcetpdy.ac.in

RAJIV GANDHI COLLEGE OF ENGINEERING AND TECHNOLOGY
(Approved by AICTE and Affiliated to Pondicherry University)
(Accredited with 'A' Grade by NAAC)
(Sponsored by Sri Balaji Educational and Charitable Public Trust)
Pondy - Cuddalore Main Road, Kirumampakkam, Puducherry - 607 403.

1 October 2019

From

C.A.Aswini,

Event Coordinator,

Department of MCA,

Rajiv Gandhi College of Engineering and Technology,

Kirumampakkam, Puducherry - 607 403.

To

The Principal,

Rajiv Gandhi College of Engineering and Technology,

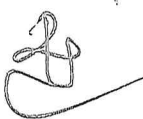Kirumampakkam, Puducherry - 607 403.

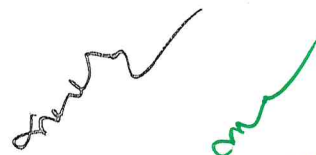THROUGH THE HEAD OF THE DEPARTMENT, DEPARTMENT OF MCA

Respected Sir,

Sub: - Request for permission to conduct a one-day workshop on Ethical Hacking and
Penetration Testing for MCA Students-reg.

I have planned to conduct a one-day workshop on the topic "Ethical Hacking and
Penetration testing" on 10/10/2019. I will be the coordinator for conducting the workshop. The
aforementioned workshop will be offered to the II-year students of the MCA Department. I
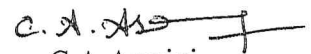kindly request you to grant permission to conduct this program.

Thanking you,

Forwarded to
Principal

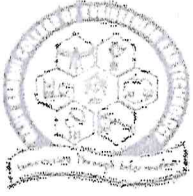Yours sincerely,

C.A.Aswini

C.A.Aswini
Event Coordinator

Dr. E. VIJAYAKRISHNA RAPAKA
B.Tech. (Mech.), M.Tech.(Energy), Ph.D. (IIT Madras)
M.I.S.T.E., F.I.I.P.E., M.C.S.I M.C.I.I.,
PRINCIPAL
Rajiv Gandhi College of Engineering & Technology
Pondy - Cuddalore Main Road,
Kirumampakkam, Puducherry - 607 402.

RAJIV GANDHI COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE and Affiliated to Pondicherry University)

(Accredited with 'A' Grade by NAAC)

(Sponsored by Sri Balaji Educational and Charitable Public Trust)

Pondy - Cuddalore Main Road, Kirumampakkam, Puducherry - 607 403.

DEPARTMENT OF COMPUTER APPLICATIONS

No: RGCET/MCA//Circular/2019-20/ WS 01   Date: 3.10.2019

CIRCULAR

I am excited to inform you that a one-day workshop on the topic "ETHICAL HACKING AND PENETRATION TESTING" is going to be conducted on 10/10/2019. The aforementioned WORKSHOP will be offered to the III and II Year students of the MCA Department.

All are invited

HOD / MCA

Copy to:

1. Circulate to all Faculty Members and MCA students
2. Notice board / file

Dr. E. VIJAYAKRISHNA RAPAKA
B.Tech. (Mech.), M.Tech.(Energy), Ph.D. (IIT Madras)
M.I.S.T.E., F.I.I.P.E., M.C.S.I M.C.I.I.,
PRINCIPAL
Rajiv Gandhi College of Engineering & Technology
Pondy - Cuddalore Main Road,
Kirumampakkam, Puducherry - 607 402.

WORKSHOP

Department of Computer Application

RAJIV GANDHI COLLEGE OF ENGINEERING AND TECHONOLOGY

Cordially Invite you to the

ONE DAY WORKSHOP
ON

Ethical Hacking and Penetration Testing

On 10th October 2019 @9.30 A.M In
Seminar Hall, RGCET

Dr.E.VIJAYAKRISHNA RAPAKA
Principal,RGCET
Will offer felicitations

Dr.E.AYYAPPAN
Vice-Principal,RGCET
Will address the function

Mrs.S.Antoinelte Anoul Jayanthi
Director of Head Department of MCA POPE JOHN
PAUL II College of Education, Puducherry
Resource Person

ALL ARE WELCOME
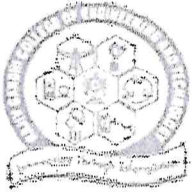BY
HOD,Staffs and Students of MCA

Dr. E. VIJAYAKRISHNA RAPAKA
B.Tech. (Mech.), M.Tech.(Energy), Ph.D. (IIT Madras)
M.I.S.T.E., F.I.I.P.E., M.C.S.I M.C.I.I.,
PRINCIPAL
Rajiv Gandhi College of Engineering & Technology
Pondy - Cuddalore Main Road,

RAJIV GANDHI COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE and Affiliated to Pondicherry University)

(Accredited with 'A' Grade by NAAC)

(Sponsored by Sri Balaji Educational and Charitable Public Trust)

Pondy - Cuddalore Main Road, Kirumampakkam, Puducherry - 607 403.

WORKSHOP DETAILS

Title of the Course	One-Day Workshop on Ethical Hacking
Workshop Name	Ethical Hacking
Workshop Duration	10.10.2019
Workshop Code	MCA19WS01
No. of. Registrants	51
Workshop Offered	Year: III & II (MCA) Sem: V & III
Event Coordinator	Mrs. C.A.Aswini, MCA Department, RGCET
RESOURCE PERSON	Mrs. S. Antoinette Aroul Jayanthi,
	Assistant Professor,
	Department of MCA,
	Pope John Paul II College of Education,
	Puducherry

Dr. E. VIJAYAKRISHNA RAPAKA
B.Tech. (Mech.), M.Tech.(Energy), Ph.D. (IIT Madras)
M.I.S.T.E., F.I.I.P.E., M.C.S.I M.C.I.I.,
PRINCIPAL
Rajiv Gandhi College of Engineering & Technology
Pondy - Cuddalore Main Road,
Kirumampakkam, Puducherry - 607 402.

Website : www.rgcetpdy.ac.in
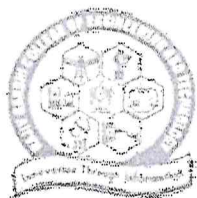
RAJIV GANDHI COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE and Affiliated to Pondicherry University)

(Accredited with 'A' Grade by NAAC)

(Sponsored by Sri Balaji Educational and Charitable Public Trust)

Pondy - Cuddalore Main Road, Kirumampakkam, Puducherry - 607 403.

COURSE MODULE

COURSE OBJECTIVES

1. Ethical hacking is an authorized attempt to gain unauthorized access to a computer system, application, or data using the strategies and actions of malicious attackers.

2. This practice helps identify security vulnerabilities that can then be resolved before a malicious attacker has the opportunity to exploit them.

3. Ethical hackers are security experts who perform these proactive security assessments to help improve an organization's security posture.

4. With prior approval from the organization or owner of an IT asset, the mission of an ethical hacker is the opposite of malicious hacking.

COURSE OUTCOMES

By the end of this module, participants will be able to:

1. The Benefits of Ethical Hacking cannot be denied, as it systematically assesses constantly evolving digital threats.

2. It plays a crucial role in safeguarding sensitive information and maintaining the durability of computer systems.

3. Ethical Hackers, with their specialized knowledge and skills, work diligently to identify vulnerabilities before malicious hackers can exploit them.

4. The Benefits of Ethical Hacking cannot be overstated.

Dr. E. VIJAYAKRISHNA RAPAKA
B.Tech. (Mech.), M.Tech.(Energy), Ph.D. (IIT Madras)
M.I.S.T.E., F.I.I.P.E., M.C.S.I M.C.I.I.,
PRINCIPAL
Rajiv Gandhi College of Engineering & Technology
Pondy - Cuddalore Main Road,
Kirumampakkam, Puducherry - 607 402.

RAJIV GANDHI COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE and Affiliated to Pondicherry University)

(Accredited with 'A' Grade by NAAC)

(Sponsored by Sri Balaji Educational and Charitable Public Trust)

Pondy – Cuddalore Main Road, Kirumampakkam, Puducherry – 607 403.

WORKSHOP SCHEDULE

TIME	SESSION	ACTIVITY
9.30 am to 10.30 am	Introduction to Ethical Hacking	i) Overview: Understanding the basics of ethical hacking and its significance in cybersecurity. ii) Ethical vs. Unethical Hacking: Differentiating between ethical hacking and malicious hacking. iii) Legal Aspects: Discussing laws and regulations governing ethical hacking.
10.30 am to 10.45 am	Break	
10.45 am to 11.45 am	Penetration Testing Fundamentals	i) Definition and Purpose: Explaining what penetration testing is and why it is crucial for security. ii) Types of Penetration Tests: Identifying different types of penetration tests (black-box, white-box, gray-box). iii) Penetration Testing Methodology: Outlining the steps involved in conducting a penetration test.
11.45 am to 12.45 am	Tools and Techniques	i) Provided an in-depth look at testing methodologies: Black Box, White Box, and Grey Box Testing. ii) Covered various testing levels including Unit, Integration, System, and Acceptance Testing, with practical examples to illustrate their applications.
12.45 pm to 1.30 pm	Break	
1.30 pm to 2.30 pm	Hands-On Demonstrations	i) Live Demonstrations: Practical demonstrations of using tools to conduct vulnerability scans and exploit weaknesses. ii) Case Studies: Real-world examples and case studies highlighting successful penetration tests and lessons learned.
2.30 pm to 3.30 pm	Developing Skills and Best Practices	i) Skill Development: Key skills required for ethical hacking and how to develop them. ii) Ethical Hacking Frameworks: Familiarizing with frameworks and standards (e.g., OWASP, PTES). iii) Reporting and Documentation: Best practices for documenting findings and reporting to stakeholders.
3.30 pm to 4.00 pm	Conclusion and Q&A	i) Summary: Recap of key points covered during the workshop. ii) Q&A Session: Addressing participant questions and providing further clarification on topics discussed.

EVENT COORDINATOR

HEAD OF THE DEPARTMENT

Dr. E. VIJAYAKRISHNA RAPAKA
B.Tech. (Mech.), M.Tech.(Energy), Ph.D (IIT Madras)
M.I.S.T.E., F.I.I.P.E., M.C.S.I M.C.I.I.,
PRINCIPAL
Rajiv Gandhi College of Engineering & Technology
Pondy - Cuddalore Main Road,
Kirumampakkam, Puducherry - 607 402.

RAJIV GANDHI COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE and Affiliated to Pondicherry University)

(Accredited with 'A' Grade by NAAC)

(Sponsored by Sri Balaji Educational and Charitable Public Trust)

Pondy - Cuddalore Main Road, Kirumampakkam, Puducherry - 607 403.

Report On Work Shop

Organized by: Department of Master of Computer Application
Date: 10.10.2019
Time: 9.00AM to 4.00PM
Topic: Ethical Hacking

The programme commenced with the lighting of the Ceremonial lamp by the Mrs. S. Antoinette Aroul Jayanthi, Dept of MCA, Pope John Paul II College of Education, Puducherry, Dr.E.Vijaya Krishna Rapaka, Principal, RGCET, Mr. R.Senthil kumar, Head of the Department, MCA, Mrs. C.A.Aswini, Assistant Professor, Dept. of MCA, LOGESH P, III MCA. After Inaugural ceremony, Mr.R.Senthilkumar, conducted a highly interactive session on as Introduction to workshop objectives and overview.

At the end of the workshop, the Valedictory session was held at 3.30 p.m., which was chaired by Dr.E.Vijayakrishna Rapaka, Principal, RGCET and Mrs. C.A.Aswini, Event Co-Ordinator, MCA expressed his trust that the participants would follow the growth and practice of **Ethical Hacking**. Mrs. C.A.Aswini, concluded the workshop with an interactive feedback session with participants and congratulated all the participants and organizers for successful completion.

EVENT COORDINATOR

HEAD OF THE DEPARTMENT
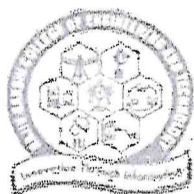
RAJIV GANDHI COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE and Affiliated to Pondicherry University)

(Accredited with 'A' Grade by NAAC)

(Sponsored by Sri Balaji Educational and Charitable Public Trust)

Pondy - Cuddalore Main Road, Kirumampakkam, Puducherry - 607 403.

LIST OF ENROLLED STUDENTS

S.no	Register No	Name of the student	Department	Year/Sem
1	17MCL067	AFSANA KM	MCA	III/V
2	17MCL068	AJITH KUMAR S	MCA	III/V
3	17MCL069	ANUPRIYA G	MCA	III/V
4	17MCL070	ANVARSET Z	MCA	III/V
5	17MCL071	ARUL PRAGASH K	MCA	III/V
6	17MCL072	BENJAMIN FRANKLINE C	MCA	III/V
7	17MCL073	BHUVANESWARI R	MCA	III/V
8	17MCL074	CHANDRABOSS S	MCA	III/V
9	17MCL075	DEVIPRIYA D	MCA	III/V
10	17MCL076	DHARANI E	MCA	III/V
11	17MCL077	EZHILARASI A	MCA	III/V
12	17MCL078	GANAPATHY J	MCA	III/V
13	17MCL079	HARI PRIYA S	MCA	III/V
14	17MCL080	KRISHNAKUMAR R	MCA	III/V
15	17MCL081	LOGESH P	MCA	III/V
16	17MCL082	MAATHINE M	MCA	III/V
17	17MCL083	MANIKANDAN M	MCA	III/V
18	17MCL084	PRIYADHARSHINI M	MCA	III/V
19	17MCL085	RAJA P	MCA	III/V
20	17MCL086	RESHME NOORA N	MCA	III/V
21	17MCL087	SASIREKHA K	MCA	III/V
22	17MCL088	SATHISHKUMAR D	MCA	III/V
23	17MCL089	SREEMATHI R	MCA	III/V
24	17MCL090	VIDHYA A	MCA	III/V
25	17MCL091	YASHIKA S	MCA	III/V
26	18MCL070	AJITH KUMAR M	MCA	III/V
27	18MCL071	ALEX DAMIYA G	MCA	III/V
28	18MCL072	ARUN S	MCA	III/V
29	18MCL073	ARUNKUMAR A	MCA	III/V
30	18MCL074	BALAJI A	MCA	III/V
31	18MCL075	EVANJALIN REBEKKA M	MCA	III/V
32	18MCL076	GAYATHRI E	MCA	III/V
33	18MCL077	GOKUL M	MCA	III/V
34	18MCL078	JANCY AMALIMARY D	MCA	III/V
35	18MCL079	KEERTHANA E	MCA	III/V
36	18MCL080	KIRUTHIKA S	MCA	II/III
37	18MCL081	MONISHA R	MCA	II/III

Website : www.rgcetpdy.ac.in
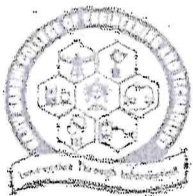
RAJIV GANDHI COLLEGE OF ENGINEERING AND TECHNOLOGY
(Approved by AICTE and Affiliated to Pondicherry University)
(Accredited with 'A' Grade by NAAC)
(Sponsored by Sri Balaji Educational and Charitable Public Trust)
Pondy - Cuddalore Main Road, Kirumampakkam, Puducherry - 607 403.

38	18MCL082	NIRMAL KAUSHICK S	MCA	II/III
39	18MCL083	PRABAKARAN R	MCA	II/III
40	18MCL084	PREETHI R	MCA	II/III
41	18MCL085	PRIYA DHARSHINI M	MCA	II/III
42	18MCL086	RAJ KUMAR P	MCA	II/III
43	18MCL087	RANJITH RAJ N	MCA	II/III
44	18MCL088	REKHA K	MCA	II/III
45	18MCL089	SANTHOSH G	MCA	II/III
46	18MCL090	SANTHOSH S	MCA	II/III
47	18MCL091	SUGANTHAN N	MCA	II/III
48	18MCL092	SUSHMITHA R	MCA	II/III
49	18MCL093	THAMIZHARASI A	MCA	II/III
50	18MCL094	VIJAYA KUMAR S	MCA	II/III
51	18MCL095	YAMINI K	MCA	II/III

EVENT COORDINATOR

HEAD OF THE DEPARTMENT

Dr. E. VIJAYAKRISHNA RAPAKA
B.Tech. (Mech.), M.Tech.(Energy), Ph.D. (IIT Madras)
M.I.S.T.E., F.I.I.P.E., M.C.S.I M.C.I.I.,
PRINCIPAL
Rajiv Gandhi College of Engineering & Technology
Pondy - Cuddalore Main Road,
Kirumampakkam, Puducherry - 607 402.

RAJIV GANDHI COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF COMPUTER APPLICATIONS
Workshop Feedback Form
ETHICAL HACKING
A.Y:2019-20

Participant Information:

1. Name: _____

2. Register No._____

3. Year / Sem: _____

Department: _____

1. How would you rate your overall satisfaction with the workshop?

a. Excellent b. Very Good c. Good d. Fair e. Poor

2. How would you rate the quality of the content covered in the workshop?

a. Excellent b. Very Good c. Good d. Fair e. Poor

3. Were the topics covered relevant to your needs?

a. Yes b. No c. Partially

4. How useful did you find the hands-on sessions?

a. Very Useful b. Useful c. Somewhat Useful d. Not Useful

5. Was there enough time allocated for hands-on practice?

a. Yes b. No

6. How would you rate the trainers' expertise?

a. Excellent b. Very Good c. Good d. Fair e. Poor

7. How approachable and helpful were the trainers?

a. Excellent b. Very Good c. Good d. Fair e. Poor

8. How would you rate the organization of the workshop (venue, schedule, materials)?

a. Excellent b. Very Good c. Good d. Fair e. Poor

9. Do you feel confident in applying the skills learned during the workshop?

a.Yes b. No c. Partially

10. What topics would you like to see covered in future workshops? _____

Signature of the Student

RAJIV GANDHI COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF COMPUTER APPLICATIONS
Workshop Feedback Form
ETHICAL HACKING
A.Y:2019-20

Participant Information:

1. Name: _DEVIPRIYA . D_
2. Register No. _14 MCL 075_
3. Year / Sem: _III / V_
Department: _MCA_

1. How would you rate your overall satisfaction with the workshop?

   ✓ a. Excellent b. Very Good c. Good d. Fair e. Poor

2. How would you rate the quality of the content covered in the workshop?

   a. Excellent b.✓Very Good c. Good d. Fair e. Poor

3. Were the topics covered relevant to your needs?

   a.✓Yes b. No c. Partially

4. How useful did you find the hands-on sessions?

   a. Very Useful b.✓Useful c. Somewhat Useful d. Not Useful

5. Was there enough time allocated for hands-on practice?

   ✓ a. Yes b. No

6. How would you rate the trainers' expertise?

   a. Excellent b.✓Very Good c. Good d. Fair e. Poor

7. How approachable and helpful were the trainers?

   a. Excellent b.✓Very Good c. Good d. Fair e. Poor

8. How would you rate the organization of the workshop (venue, schedule, materials)?

   ✓ a. Excellent b. Very Good c. Good d. Fair e. Poor

9. Do you feel confident in applying the skills learned during the workshop?

   ✓ a. Yes b. No c. Partially

10. What topics would you like to see covered in future workshops? _Android using MAP_

Signature of the Student

RAJIV GANDHI COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF COMPUTER APPLICATIONS
Workshop Feedback Form
ETHICAL HACKING
A.Y:2019-20

Participant Information:

1. Name: _Reshmi Noora. N_
2. Register No. _MMCL 086_
3. Year / Sem: _III / V_
Department: _MCA_

1. How would you rate your overall satisfaction with the workshop?

✓a. Excellent b. Very Good c. Good d. Fair e. Poor

2. How would you rate the quality of the content covered in the workshop?

a. Excellent b. ✓Very Good c. Good d. Fair e. Poor

3. Were the topics covered relevant to your needs?

a.✓Yes b. No c. Partially

4. How useful did you find the hands-on sessions?

a. Very Useful b.✓Useful c. Somewhat Useful d. Not Useful

5. Was there enough time allocated for hands-on practice?

a.✓Yes b. No

6. How would you rate the trainers' expertise?

a. Excellent b. Very Good c.✓Good d. Fair e. Poor

7. How approachable and helpful were the trainers?

✓a. Excellent b. Very Good c. Good d. Fair e. Poor

8. How would you rate the organization of the workshop (venue, schedule, materials)?

a. Excellent b.✓Very Good c. Good d. Fair e. Poor

9. Do you feel confident in applying the skills learned during the workshop?

a.✓Yes b. No c. Partially

10. What topics would you like to see covered in future workshops? _Big data_

Signature of the Student

RAJIV GANDHI COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF COMPUTER APPLICATIONS
Workshop Feedback Form
ETHICAL HACKING
A.Y:2019-20

Participant Information:
1. Name: _Monisha. R_
2. Register No. _18MCL081_
3. Year / Sem: _II/IV_
Department: _MCA_

1. How would you rate your overall satisfaction with the workshop?

a. Excellent b. Very Good c. Good d. Fair e. Poor

2. How would you rate the quality of the content covered in the workshop?

a. Excellent b. Very Good c. Good d. Fair e. Poor

3. Were the topics covered relevant to your needs?

a. Yes b. No c. Partially

4. How useful did you find the hands-on sessions?

a. Very Useful b. Useful c. Somewhat Useful d. Not Useful

5. Was there enough time allocated for hands-on practice?

a. Yes b. No

6. How would you rate the trainers' expertise?

a. Excellent b. Very Good c. Good d. Fair e. Poor

7. How approachable and helpful were the trainers?

a. Excellent b. Very Good c. Good d. Fair e. Poor

8. How would you rate the organization of the workshop (venue, schedule, materials)?

a. Excellent b. Very Good c. Good d. Fair e. Poor

9. Do you feel confident in applying the skills learned during the workshop?

a. Yes b. No c. Partially

10. What topics would you like to see covered in future workshops? _Mobile Application Development_

R. Monisha,
Signature of the Student