



**Atria Institute of Technology Bangalore**  
**Department Of Computer Science & Engineering**

**CYBER SECURITY HACKATHON REPORT**

The cyber security hackathon was a 24 hrs event started from 10:00am 1<sup>st</sup> oct to 10:00am 2<sup>nd</sup> oct 2019 organized by Computer Science department, Atria Institute of Technology.

Hackathon: an event, typically lasting for 24 hours, in which a large number of people meet to engage in collaborative computer programming.

The event is in 2 phases

- Phase 1 : training on cyber security(ethical hacking).
- Phase 2: Competition between the participants

Phase 1: The workshop included the following concepts being taught to participants :

**CYBER ETHICS.**

1. Hackers and Hacking methodologies
2. Types of Hackers
3. Communities of hackers
4. Malicious Hackers strategies
5. Step to Conduct Ethical Hacking
6. Hiding Your Identity while Performing Attacks

**WINDOWSHACKING**

1. Command prompt based tricks
2. Amazing windows tricks
3. Registry Editor
4. Secure file and folder

**INFORMATION GATHERING & SCANNING**

1. Who is information
2. TraceRoute
3. Info gathering using search engine
4. Info gathering using blogs and forums
5. Info gathering using Meta tags & Words
6. Info gathering using Scanning
7. Info gathering using Espiders

8. Info gathering using Web Archive

### **WEB APPLICATION & SECURITY**

1. Introduction to the web architecture
2. Compression, Encryption, Decryption
3. Web Application Vulnerabilities
4. SQL Basics& Advance
5. Types of Sql Injection
6. Authentication Bypass Vulnerability
7. Union Based Injection
8. Error Based Injection
9. Cross-site vulnerability

### **EMAIL HACKING AND SECURITY**

1. How phishing works
2. How hackers makes fake pages
3. How key loggers works
4. Social Engineering techniques

The workshop was followed by competition among the participant, which included the application of the workshop concepts.

The competition was held for 10hrs in which the participant's abilities were tested by assigning various problem statements.

TIME	TASK	OWNER
OCT 1 :9:30 am -10:00 am	Registrations	Adil & Menaka
10:00am - 10:30am	Inaugural	Prof. Pallavi N
10:30am -12:30 pm	Workshop	Samarth
12:30pm -1:15 pm	Lunch	-
1:15pm -6.00 pm	Session/Workshop	Samarth
6:00 pm - 6:30pm	Break	-
6:30pm - 8 :00 pm	competition	Samarth
8:00pm - 9:00pm	Dinner	-
9:00pm - 7:00am OCT 2	competition	Samarth
7:00am - 8:30am	Break	-
Valedictory		

### Budget for hackathon 2019 on 1<sup>st</sup> and 2<sup>nd</sup> October

SL. NO	ITEM	AMOUNT
1	coffee machine	1800
	transportation	220
2	speakers/ mike set	2600
	transportation	150
3	samarth	10000
4	prize	10000
5	certificates	300
6	lunch for Resource person	272
7	garbage bags	100
8	coffee cups	200
	total	25642

### List of Participants

1	SANSKAR SRIVASTAVA	5	8840254509
2	PRAMOD B N	5	9108789327
3	ADITYA M	5	9606555216
4	NITISH KUMAR P	5	9902955173
5	ASHUTOSH	5	9538903748
6	ADIL SABIR AZEEZ	5	9731552429
7	NITIN RAVICHANDER	5	
8	NIKHIL SINGH	5	
9	SANJEEVA KUMAR	5	9113220565
10	SHRUTI A P	5	
11	RAMYA SHREE	5	
12	SAGAR S SANKOLE	5	
13	ARUN D V	5	9740859521
14	ANJALI KUMARI	5	8332817241
15	CHANDANA K P	5	9108005824
16	HARSHITHA S	5	8147020746
17	SYED AMAANULLAH	5	9036216434
18	KIM VATS	5	8920765604
19	POORNIMA B J	5	9591746319
20	G.MENAKA	5	7816870381
21	SARVESH L VIRAKTAMATH	3	9482729175
22	SHRIDHAR HEGDE	3	6361317483
23	NITHIN SAI K J	3	7892536762
24	NITESH KUMAR G	3	6363370104

25	LOHITH P	3	9113524575
26	NARAYANA RAO	3	9113626321
27	V MITHUN	3	7019688386
28	RAJESH KUMAR D V	3	6363063836
29	PRAJWAL BILGOGI	3	6363896487
30	SATISH S	3	7829751880
31	YESHWANTH P	3	7026624507
32	NISHITHA D	3	9880242374
33	SANCHITH B ANAND	1	9110226673
34	VINCENT PAUL FERNADES	1	7619367306
35	NISITOSH UOHANTY	1	9149779821
36	SHREYAS M N	1	7019688386
37	SHASHANK KUMAR MAURYA	1	9572261022
38	SEOSHREE MITRA	1	7086881251
39	PRATYUSH ANAND	1	7992209739
40	SUDIPTA HALDER	1	8088079882
41	AMAN SAHU	1	7828737234
42	SHIVAM SINGH	1	8102569662
43	YUMNAM PRESENI	1	9366889654
44	NIKITHA	1	7619377106
45	ADITYA DILIP PANSARE		8527279641
46	PRINCE KUMAR		7259889894
47	ANJALI SINHA		9693814286
48	ANANYA R D		9008446213
49	ARCHANA V BHATT		8867084514
50	ANUSHA A		9620007872
51	ABHISHEK YADAV		9980097757
52	RAKIA BANU		8553265463
53	PAYAL KUMARI		7483327044
54	MOHIT		9538138666
55	ASHWIN KRISHNA		9108371582
56	RAGHAV MUNDRA		9108371582
1	VISHWAS U S	3	7411729656
2	SRUJAN G V	1	8660099761
3	POOJITH PEJAWAR	1	7259650002
4	PRAJWAL RAMESH	1	7760726343
5	TANWI GEETIKA	1	7016308440
6	SAUMYA RANJAN	1	9122222361
7	YASEEN AHMED	1	9606555216

8	SHIKHA SONAM	1	7004959679
9	RAGHAV	1	9113208407
10	ANU DEVRAJU	1	9113293933
11	YUKTHA	1	9980097757
12	YASH S	1	9108905478
13	AKASH		
14	TAJESH		7892199732
15	PRAJWAL		7760885386
16	NARESH		9482401220
17	SAI CHARAN S		9108371582
1	AMRUT WALI		9964445116
2	ABHIJITH P		8277065276
3	GAGAN		
1	BHARGHAV B M		7019586151
2	S RAHUL		9513185702
3	RAJ SHARMA	1	8884016724
4	PRANAV C S	1	9380214345
5	ASUTOSH J	1	8951961995
6	AKSHA HEGDE	1	9686580345
7	AYUSH ROY		9945132664
8	RAHUL BHAGAT	1	7295022186
9	SHIVAM KUMAR	1	9060472156
10	S HARINI SHREE	1	8277583810
11	KEERTHANA KARADE	1	7619377106

### **Prize winners:**

The winners were awarded a cash price of 5000/-. There were 2 teams in runners position they were awarded 2500/- each.

### **Winners**

Team 21 :

Raj Sharma (1AT18EC108)  
Pranav (1AT18EC097)  
Rakia Banu N(1AT17EC087)  
Nishitha.D (1AT18CS066)



**Runners:**

Team 27 :

Pramod BN (1AT17CS054)

Bhargav BM (1AT15EC023)



Team 13 :

Nitish (1AT17CS048)

Ashoutosh (1AT17CS011)

Aditya (1AT17CS002)



## **Resource person**

This hackathon was conducted by **Mr. Samarth Bhat** who is well known for his hacking skills in various government fields also.

### **His achievements:**

- Awarded First Prize in State Level Technical Project Examination for Remote Administration Tool (RAT) for LAN developed using VC++
- Qualys training for vulnerability assessment
- Bit9 Platform
- SANS DEV 522 : Web Application Defense

- SANS SEC 401 : Information Security Essentials
- SANS SEC 560 : Network Penetration Testing and Ethical Hacking

**His Technical skills:**

1. **Vulnerability Scanning Tools:** Nessus, QualysGuard, Nexpose, Symantec CCSVM
2. **GRC:CA GRC Manager, ControlPath**
3. **SIEM Solution:** IBM Security QRadar
4. **Two factor authentication:** RSA SecurID
5. **Encryption Technology:** PGP
6. **Scripting Languages:** JavaScript, VBScript
7. **Web Scanners:** Burpsuite, IBM AppScan
8. **Packet Sniffers:** Wireshark
9. **Programming Languages:** C#.NET, Java, ASP.NET
10. **Databases:** SQL Server 2008, MySQL
11. **Operating Systems:** Windows 2000/ 2003, XP/ Vista, Backtrack 5, Samurai Web Testing framework.

**Organizer:**

Prof. Pallavi .N, Assistant Professor of department of Computer Science And Engineering, Of Atria Institute of Technology organized the event.