



**Vivekanand Education Society's
Institute of Technology**

Approved by AICTE & Affiliated to University of Mumbai

ATS Microsoft Exam Report

Contents: Training details, exam dates and results


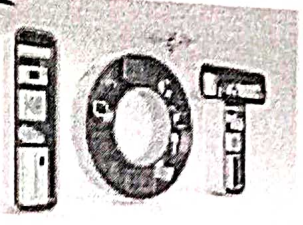
AY:2020-2021



[Handwritten Signature]
Anjali Yedc



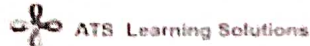
Syllabus
Syllabus IOT :






- Other Options
- Rasp-Config
- Test

New Course Content for 3-Day free Workshop on IOT

1. Understanding and introduction to Raspberry Pi (11hrs)
 - What is SOC?
 - Versions of Raspberry Pi & Their Difference
 - Raspberry Pi 4
 - Basics of Electronics
 - Hardware Description
 - Pi Configuration
2. OS Installation on SD Card (30Mins)
 - Downloading Image
 - Study Various Operating Systems Available
 - Making SD Card: Formatting and Partition
 - Raspberry Pi SD Installer
3. OS Configuration (30Mins)
 - Booting into Desktop
 - GUI Version
 - C/C++ Desktop
 - Changing Time zone
4. Network Setup (30Mins)
 - Setting Up Using GUI
 - Setting Up Using Command Line
 - Finding Pi's IP Address
 - Connecting with WiFi/LAN/Data card
5. GPIO (1hrs)
 - Study GPIO Pins
 - Libraries Using GPIO
 - Configuring GPIO Pins
6. Using SSI (30Mins)
 - Enabling SPI
 - Logging in using Pi4
 - Run Basic Commands
 - Use I2C
7. Linux (1hrs)
 - Understanding Linux
 - File Structure
 - Linux Commands
 - Permissions
8. Using Python (4hrs) with raspberry Pi 4
 - Understanding Python
 - Interpreted Languages
 - Variables, Keywords, Operators and Expressions
 - Data Types in Python
 - Flow Control
 - Conditional Statement
 - Loops
 - Importing Libraries
 - Functions
 - Classes
9. New addition with Microsoft certification on Python, Using Python for web app for connecting with IOT devices. (In addition to the above topics)
 - Decipher and structure code










Open with ▾

- Perform troubleshooting and error handling
- Perform operations using modules and tools
- Introduction to web frames works
- Flask
- Connecting with Think speak (data visualization)

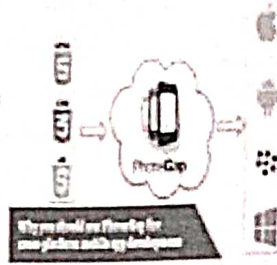
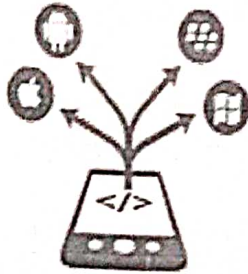
AIS Learning Solutions



10. Working with Different sensors.

11. Project using raspberry Pi 3 and different sensors (mini)

<https://drive.google.com/file/d/0B1zrzByr9RRQTUtQa1pwOVdCTkpIV2E1a1dhUThvVDhScVhn/view?usp=sharing&resourcekey=0-wzmyCn6cnWRXXpk4OhKtBq>



3 Days work shop on Hybrid/Cross platform Mobile application

development using **HTML5,**
CSS3 & JavaScript

From Basics to ———Development series

Get trained by Industry Experienced professionals @ ur campus.

For **Details** **contact** **MR** _____ **MR**

ProgramDetails.

Bundled with MTA certification



Syllabus Security :

ATS Network Security and Ethical Hacking

[1.] Hacking Psychology

The next section will explain the purpose of ethical hacking and exactly what ethical hackers do. As mentioned earlier, ethical hackers must always act in a professional manner to differentiate themselves from malicious hackers. Gaining the trust of the client and taking all precautions to do no harm to their systems during a pen test are critical to being a professional.

- (1.) Concept of Ethical Hacking: Legal or illegal??
- (2.) Categories of Hackers[As per Knowledge]
- (3.) Categories of Hackers[As per Working]
- (4.) How to secure yourself from Attackers
- (5.) How to Stop Attackers
- (6.) Indian Cyber Law

[2.] E-Mails: Exploitation and Security

Forging an e-mail header to make it appear as if it came from somewhere or someone other than the actual source. The main protocol that is used when sending e-mail – SMTP – does not include a way to authenticate. There is an SMTP service extension (RFC 2554) that allows an SMTP client to negotiate a security level with a mail server. But if this precaution is not taken anyone with the know-how can connect to the server and use it to send spoofed messages by altering the header information.

ATS Learning Solutions

- (1.) What is an E-mail
- (2.) Working of E-mail
- (3.) Traveling of an E-Mail
- (4.) Email Servers
- (5.) E-mail Forgery and Spamming
- (6.) Security to Anonymous Mailing
- (7.) Attacks on E-Mail Password
- (8.) Securing the E-Mail Passwords
- (9.) Email Forensics

Typical email security products didn't. Phishing emails that link to infected websites cause many of today's information security breaches. Yet typical email security products use outdated methods from phishing's early days, when hackers attached viruses to emails. They can't catch blended email/web threats that can lead to malware infection. And they can't detect employee activities that can lead to data loss.



[3.] Operating System Hacking & Security

Hacking systems and planting and or sending malicious content are the two most performed actions by hackers. As an ethical hacker, it will be your responsibility to test systems against hacking and to be prepared for the different types of malicious content that hackers will try to get into your network environment. This course examines password cracking methodologies and tools, privilege escalation, rootkits, steganography and backdoor types and tools, and different types of viruses and worms and their countermeasures.

1. Introduction to System Software's
2. Windows Security Components and Working
3. Introduction to Virtual Machines
4. Implementation of Virtualization
5. Windows
6. Linux
7. Attacks on Windows Login Password
8. Other Security Measure
9. Windows Inbuilt Flaws and Security Loopholes
10. Invading into Computer System
11. Optimizing Windows Computer System
12. Restrict Hackers into box

A technical background with a solid understanding of networks and networking concepts, such as IP, IP Routing, and LAN Switching, as well as Windows and/or UNIX/LINUX operating systems.

[4.] Malwares: Trojan, Viruses & Worms

Malware, short for malicious software, is software used to disrupt computer operation, gather sensitive information, or gain access to private computer systems. It can appear in the form of code, scripts, active content, and other software. Malware is a general term used to refer to a variety of forms of hostile or intrusive software.

Named after the Trojan Horse of ancient Greek history, a Trojan is a network software application designed to remain hidden on an installed computer. Trojans generally serve malicious purposes and are therefore a form of Malware, like viruses.

1. What are malwares?
2. Trojan
3. Trojan Attack Methods
4. Some Well Known Trojans
5. Detection of Trojan
6. Viruses
7. Working and Functionality of Viruses
8. Development
9. Development of Folder lockers
10. Registry tweaks and Tricks
11. Developing Professional Security too
12. Detection and Manual Removal



A **computer virus** is a type of malware that, when executed, replicates by inserting copies of itself (possibly modified) into other computer programs, data files, or the boot sector of the hard drive. When this replication succeeds, the affected areas are then said to be "infected".

A **computer worm** is a standalone malware computer program that replicates itself in order to spread to other computers. Often, it uses a computer network to spread itself, relying on security failures on the target computer to access it. Unlike a computer virus, it does not need to attach itself to an existing program. Worms almost always cause at least some harm to the network, even if only by consuming bandwidth, whereas viruses almost always corrupt or modify files on a targeted computer.

[5.] Attacks Related to Network & Security (LAN/WLAN)

Network security consists of the provisions and policies adopted by a network administrator to prevent and monitor unauthorized access, misuse, modification, or denial of a computer network and network-accessible resources. Network security involves the authorization of access to data in a network, which is controlled by the network administrator. Users choose or are assigned an ID and password or other authenticating information that allows them access to information and programs within their authority.

1. Introduction to the LAN (Local Area Networks)
2. Back-Track: Penetration Tool
3. Secure Network Configuration

Security management for networks is different for all kinds of situations. A home or small office may only require basic security while large businesses may require high-maintenance and advanced software and hardware to prevent malicious attacks from hacking and spamming.

ATS—Learning Solutions

[6.] Web Server Attacks & Security

The HTTP (or HTTPS) protocol is the standard that makes it possible to transfer web pages via a request and response system. Mainly used to transfer static web pages, the web has quickly become an interactive tool making it possible to provide on-line services. The term "web application" refers to any application whose interface can be accessed on the web from a simple browser. Now the basis for a certain number of technologies (SOAP, Javascript, XML-RPC, etc.), the HTTP protocol plays an undeniable strategic role in information system security.

1. Introduction to Web Application Security
2. Understanding Attack Vectors
3. Web Application Attacks
4. SQL Injection
5. Google Dorks – Using Google as an Expert
6. Cross Site Scripting: XSS
7. Directory Traversal Attacks
8. Putting breaks on Web Application attacks
9. Mozilla Firefox as a Hacking tool



10. Bypassing Proxy - Intermediate
11. Using Google as Proxy
12. Remote File Inclusion for Opening Blocked Websites
13. Creating your Own Proxy Server

Attacks on web applications are always harmful since they give the company a bad image. A successful attack can have any of the following consequences.

- Website defacement.
- Stolen information.
- Modification of data, and particularly modification of users' personal data
- Web server intrusion.

[7.] Software Reverse Engineering and Attacks on Demand

Software Reverse Engineering (SRE) is the practice of analyzing a software system, either in whole or in part, to extract design and implementation information. A typical SRE scenario would involve a software module that has worked for years and carries several rules of a business in its lines of code. Unfortunately the source code of the application has been lost, what remains is "native" or "binary" code. Reverse engineering skills are also used to detect and neutralize viruses and malware, as well as to protect intellectual property. It became frighteningly apparent during the Y2K crisis that reverse engineering skills were not commonly held amongst programmers.

1. What is Reverse Engineering
2. Software - Definition
3. Disassembling the Software's
4. Software Cracking & Serial Key Phishing
5. Software Patching
6. Applying Application Security
7. Attacks on Demand

Since that time, much research has been undertaken to formalize just what types of activities fall into the category of reverse engineering so that these skills could be taught to computer programmers and testers. To help address the lack of software reverse engineering education, several peer-reviewed articles on software reverse engineering, re-engineering, reuse, maintenance, evolution, and security were gathered with the objective of developing relevant, practical exercises for instructional purposes. The research revealed that SRE is fairly well described and most of the related activities fall into one of two categories: software development-related and security-related.



Vivekanand Education Society's Institute of Technology

Approved by AICTE & Affiliated to University of Mumbai

2020-21

In the month of May 2020 we started with registration.

Total No. of Registration: 59

Subject	No. of Students
Java	2
Data Science and Data Analytics	25
Machine Learning	32

Online training was conducted 4th May 2020- 31st Aug 2020

Students details :

S. No.	FirstName	Technology Enrolled For	Semester	Department	EXAM STATUS
1	Bhairavi Sawantdesai	JAVA	6TH SEMESTER	ELECTRONICS & TELECOMMUNICATION	#N/A
2	Soham Kamat	ML	3RD SEMESTER	COMPUTER SCIENCE	PASS
3	SHIKHAR NIRANJAN	ML	4TH SEMESTER	Computer Science	FAIL
4	Varun Vicharay	DS	4TH SEMESTER	ELECTRONICS & TELECOMMUNICATION	PASS
5	Sadhvi Naresh Ganuwala	DS	3RD SEMESTER	COMPUTER SCIENCE	PASS
6	Riddhi Khole	DS	4TH SEMESTER	Computer Science	PASS



[Signature]
Dr. Anjali Yela



Vivekanand Education Society's Institute of Technology

Approved by AICTE & Affiliated to University of Mumbai

2020-21

In the month of May 2020 we started with registration.

Total No. of Registration: 59

Subject	No. of Students
Java	2
Data Science and Data Analytics	25
Machine Learning	32

Online training was conducted 4th May 2020- 31st Aug 2020

Students details :

S. No.	FirstName	Technology Enrolled For	Semester	Department	EXAM STATUS
1	Bhairavi Sawantdesai	JAVA	6TH SEMESTER	ELECTRONICS & TELECOMMUNICATION	#N/A
2	Soham Kamat	ML	3RD SEMESTER	COMPUTER SCIENCE	PASS
3	SHIKHAR NIRANJAN	ML	4TH SEMESTER	Computer Science	FAIL
4	Varun Vicharay	DS	4TH SEMESTER	ELECTRONICS & TELECOMMUNICATION	PASS
5	Sadhvi Naresh Ganuwala	DS	3RD SEMESTER	COMPUTER SCIENCE	PASS
6	Riddhi Khole	DS	4TH SEMESTER	Computer Science	PASS



Yes
Dr. Anjali Yelke 40



Vivekanand Education Society's Institute of Technology

Approved by AICTE & Affiliated to University of Mumbai

7	Srishti Vazirani	DS	4TH SEMESTER	COMPUTER SCIENCE	PASS
8	Sakshée Sachin Sawant	DS	4TH SEMESTER	COMPUTER SCIENCE	PASS
9	Nidhi Rohra	DS	4TH SEMESTER	COMPUTER SCIENCE	PASS
10	Simran Watwani	DS	4TH SEMESTER	COMPUTER SCIENCE	PASS
11	Harshita Mishra	ML	4TH SEMESTER	Computer Science	PASS
12	Manasee parulekar	DS	3RD SEMESTER	ELECTRONICS & TELECOMMUNICATION	PASS
13	MITALI JADHAW	DS	6TH SEMESTER	ELECTRONICS & TELECOMMUNICATION	FAIL
14	Anisha Asis Patnalk	DS	6TH SEMESTER	ELECTRONICS & TELECOMMUNICATION	PASS
15	Vaibhavsingh Rajput	DS	5TH SEMESTER	ELECTRONICS & TELECOMMUNICATION	PASS
16	Bhakti Shashikant Parab	DS	6TH SEMESTER	ELECTRONICS & TELECOMMUNICATION	PASS
17	Shikhar Raj	DS	4TH SEMESTER	ELECTRONICS & TELECOMMUNICATION	PASS
18	Shubhangi Balasubramanian	DS	6TH SEMESTER	INSTRUMENTATION	PASS
19	Jayant mukundam	ML	4TH SEMESTER	Computer Science	PASS
20	Dimple Nachnani	ML	4TH SEMESTER	COMPUTER SCIENCE	#N/A
21	Payal Naresh Rathi	ML	4TH SEMESTER	Electronics & Telecommunication	PASS
22	Hitesh.G.Santani	ML	4TH SEMESTER	COMPUTER SCIENCE	PASS



23	Simran Sunil Gurnani	ML	4TH SEMESTER	COMPUTER SCIENCE	PASS
24	Baldev Arjundas Sundarani	ML	4TH SEMESTER	Computer Science	PASS
25	Amit Vinod Joshi	ML	4TH SEMESTER	COMPUTER SCIENCE	PASS
26	Om S. Yerawar	ML	4TH SEMESTER	COMPUTER SCIENCE	PASS
27	Abhishek Waghmare	ML	4TH SEMESTER	Computer Science	PASS
28	Shubham Mishra	ML	4TH SEMESTER	COMPUTER SCIENCE	PASS
29	Yashkumar Jain	ML	4TH SEMESTER	COMPUTER SCIENCE	PASS
30	PARTHESH PAWAR	ML	4TH SEMESTER	COMPUTER SCIENCE	PASS
31	Manoj	ML	4TH SEMESTER	COMPUTER SCIENCE	PASS
32	SAACHI DUDANI	DS	4TH SEMESTER	ELECTRONICS & TELE COMMUNICATION	PASS
33	Krish Amesur	ML	4TH SEMESTER	COMPUTER SCIENCE	PASS
34	Mrinali Dole	DS	6TH SEMESTER	ELECTRONICS	#N/A
35	Kedar Harishchandra Kharde	ML	4TH SEMESTER	COMPUTER SCIENCE	PASS
36	Kunal Kotkar	ML	4TH SEMESTER	Computer Science	PASS
37	SANKET NARENDRA JANGALE	ML	4TH SEMESTER	COMPUTER SCIENCE	PASS
38	Shreyas Udupa	ML	4TH SEMESTER	COMPUTER SCIENCE	PASS



Vivekanand Education Society's Institute of Technology

Approved by AICTE & Affiliated to University of Mumbai

39	Nikhil Gangaramani	DS	4TH SEMESTER	COMPUTER SCIENCE	PASS
40	Mrunal Ajay Solanki	ML	2ND SEMESTER	Information Technology / Information Science	#N/A
41	Devang Vinod Chandivade	ML	2ND SEMESTER	Information Technology / Information Science	#N/A
42	Shreyas Shamkant Kotkar	ML	4TH SEMESTER	COMPUTER SCIENCE	PASS
43	Nupur balkrishna parab	ML	4TH SEMESTER	MCA	PASS
44	Anmol Devnani	ML	4TH SEMESTER	COMPUTER SCIENCE	PASS
45	Tejas Vidyadhar Kothawade	DS	6TH SEMESTER	Electronics	PASS
46	Maitrayi Dandekar	ML	4TH SEMESTER	COMPUTER SCIENCE	PASS
47	Purva Saindane	DS	4TH SEMESTER	ELECTRONICS & TELECOMMUNICATION	#N/A
48	SWARANGI JITENDRA DALI	ML	4TH SEMESTER	COMPUTER SCIENCE	PASS
49	Nameira shaikh	ML	6TH SEMESTER	Electronics	PASS
50	MANASI PATANKAR	DS	4TH SEMESTER	Electronics	PASS
51	Aarya Naik	DS	4TH SEMESTER	ELECTRONICS & TELE COMMUNICATION	PASS
52	Anisha Kaul	DS	8TH SEMESTER	COMPUTER SCIENCE	#N/A
53	Shreya Balasubramanian	DS	4TH SEMESTER	Electronics & Telecommunication	PASS
54	Kiran Gurbani	JAVA	4TH SEMESTER	MCA	PASS



Vivekanand Education Society's Institute of Technology

Approved by AICTE & Affiliated to University of Mumbai

55	Yusuf kulkarni	DS	4TH SEMESTER	ELECTRONICS & TELECOMMUNICATION	PASS
56	bhairavi	DS	4TH SEMESTER	Electronics	PASS
57	Chetan Naik	ML	4TH SEMESTER	COMPUTER SCIENCE	PASS
58	Aniket Gupta	ML	4TH SEMESTER	INFORMATION TECHNOLOGY	PASS
59	Ayush Singh	ML	4TH SEMESTER	COMPUTER SCIENCE	PASS

for more details :

https://docs.google.com/spreadsheets/d/1-ZKfFK1Xcvd-tYUuO9_VYJBIM6k_Ou0/edit?usp=sharing&ouid=113526138583551742549&rtfpof=true&sd=true



Sample Certificates



Ref. No. ATS Infotech/Proj Trng/cert/Viv/00.50

Date: 31/7/2019

TO WHOMSOEVER IT MAY CONCERN

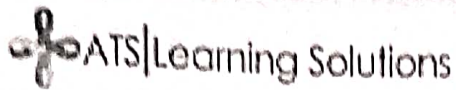
This is to certify that Mr/Ms. **VINIT. P. MOTWANI** a student of **VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY, CHEMBUR** has successfully completed the project on **UNIT CONVERSION APP** during the period of **7/3/2019 12:00:00 AM to 7/30/2019 12:00:00 AM** under the guidance of our trainers with reference to partial fulfilment of the Industrial Training as per the requirements of his/her **BE** degree course under **MUMBAI UNIVERSITY**.

We wish him/her all the best for future endeavours.

Prakash M.

Authorized Signatory
(For ATS Infotech Pvt. Ltd.)

Workshops:- CloudWorkshop ANDROID[®] Network Security Training Digital Marketing



Ref. No. ATS Infotech/Proj_Technet/Vis/00.53

Date: 31/7/2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr/Ms. **VISHAL GUPTA** a student of **VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY, CHEMBUR** has successfully completed the project on **INTERACTIVE QUIZ APP** during the period of **7/3/2019 12:00:00 AM** to **7/30/2019 12:00:00 AM** under the guidance of our trainers with reference to partial fulfilment of the Industrial Training as per the requirements of his/her **BE** degree course under **MUMBAI UNIVERSITY**.

We wish him/her all the best for future endeavours.

Prakash M.

Authorized Signatory
(For ATS Infotech Pvt. Ltd.)

Workshops:- CloudWorkshop **ANDROID**

Network Security
Training

Digital
Marketing





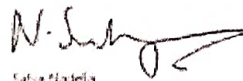
Microsoft Technology Associate

Anjali Ravi Amin

has successfully completed the requirements to be recognized as a Microsoft Technology Associate for

Introduction to Programming using JavaScript

Date of achievement: October 9, 2019
verify.certport.com: mN6Y-Dwhp


Satya Nadella
Chief Executive Officer

Microsoft
Technology Associate



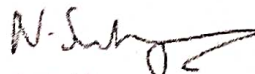
Microsoft Technology Associate

PATIL OMKAR DILIP

has successfully completed the requirements to be recognized as a Microsoft Technology Associate for

Introduction to Programming using Python

Date of achievement: October 10, 2019
verify.certport.com: BGT5-uSHL


Satya Nadella
Chief Executive Officer

Microsoft
Technology Associate

for more details :

<https://drive.google.com/drive/folders/1m0SWvc689fUXMvVJqjTAM7rM7UwxQY8e?usp=sharing>