SAINTGITS COLLEGE OF APPLIED SCIENCES

VALUE ADDED COURSES 2017-18

HARDWARE & PC ASSEMBLING
AND
ANDROID APP DEVELOPMENT
USING MIT APP INVENTOR

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ABOUT THE COURSE

Hardware & PC Assembling program enables the participants to know more about PC hardware components in detail. It includes identifying, installing and assembling PC System. It also covers on CPU, RAM chips, motherboard architecture, ports, connectors, cables, power supply, CMOS Configurations as well as upgrading and troubleshooting hardware problems. MIT App Inventor is an online platform designed to teach computational thinking concepts through development of mobile applications.
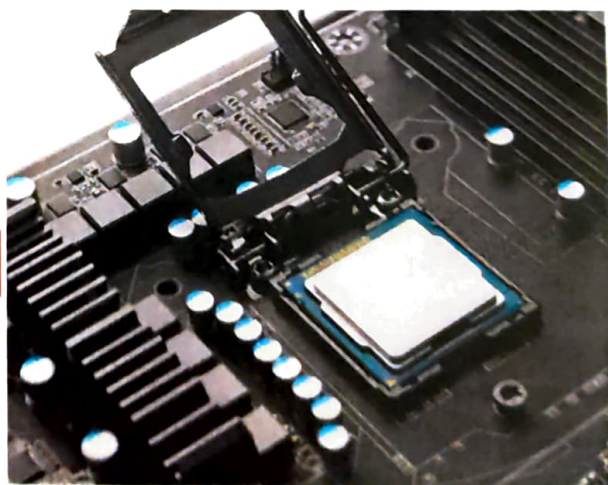
OBJECTIVES

- Identify the names, purpose and characteristics of hardware components
- Identify ports and connectors: Serial, Parallel, USB, Fire wire, IDE, FDC etc and Interface cards.
- Discover basic procedures for adding and removing hardware components
- Develop android app using MIT appinventor

EXPECTED OUTCOMES

- Students will become able to understand how to assemble desktop PC with its internal components.

- Students will become able to develop mobile applications for android phones.

DURATION

- One Year(Two hours per week)

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THE COURSE IS DESIGNED TO EQUIP STUDENTS WITH LATEST TECHNOLOGY TRENDS IN HARDWARE AND MOBILE APPLICATION DEVELOPMENT.

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FEATURES

- We providing Hands-on session for PC assembling

- Helps students in developing android app.

RELEVANCE

- The course is designed to equip students with latest technology trends in hardware and mobile application development

ADVANTAGES

- It will shape up your life professionally. After completed this course, students developed android app for Department named 'HELPING HAND FOR BCA SCASIANS'

- Help students to gain the required experience and expertise for this specific area. With this experience students handled Hands-on sessions on PC Assembling for high school students through a program 'TECHMERIDIAN'

CONTENT

- Familiarizing PC hardware Components.
- PC Assembling.
- MIT App Inventor2 for android app.

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SAINTGITS COLLEGE OF APPLIED SCIENCES
PATHAMUTTOM, KOTTAYAM

SYLLABUS

SUBJECT:- HARDWARE & PC ASSEMBLING & ANDROID APP DEVELOPMENT USING MIT APP INVENTOR

MODULE 1:

○ Familiarizing PC hardware Components. -Motherboard, RAM, RAM Slot, CPU, CPU Socket, Expansion Slots, SMPS, Heat Sink, CMOS, CMOS battery, BIOS, I/O ports-VGA ports, USB port,Parallel port, Serial Port.

MODULE 2:

○ PC Assembling- Assembling various parts of a Personal Computer

MODULE 3:

○ MIT App Inventor2 for android app- Detailed description of MIT App Inventor window -Palette, Viewer, Components and Properties. Different UI Components-Button, Image, CheckBox, DatePicker, Label, ListPicker, ListView, Notifier.

STUDENTS ATTENDANCE

Roll No	Name	Month	7	7	8	8	9	10	10	10	12	12
		Date	15	20	3	5	19	24	5	11	12	16
		Hour	5	5	5	5	5	5	5	3	4	5
1	A Prathiksha											
2	Abisha Acramma Vinod											
3	Abhijith Somaraji											
4	Agith Jain Agith											
5	Ahalya A											
6	Ajay M V											
7	Akhila S											
8	Akshaye Anil											
9	Alan Baiju											
10	Aleesha Issa Anthrapose											
11	Alen Joseph											
12	Allan cherian Biju											
13	Amal C Pino											
14	Ananthu V Nair											
15	Andrew Thomas Titto											
16	Amal Baby											
17	Arjun Baiju											
18	Arya M											
19	Ashiq Muhammed Jaffer											
20	Asif Naushad											
21	Aslam Shanavas											
22	Arwin Kumar											
23	Athira K B											
24	Amal varghese Iby											
25	Basil Jija											
26	Devika Biji											
27	Dony Cijan											
28	Emmanuel JA Kurian											
29	Fathima Nissa											
30	Francis David											

Name of the Faculty & Signature

Johnymol Joy
Arya Anandakuram Ajay

Signature of the lecturer incharge

12

*TA - Total Absent

13

STUDENTS ATTENDANCE

Roll No	Name	Month	7	7	8	8	9	9	10	10	10	10	12	12	12
		Date	15	20	3	5	19	24	28	5	11	12	16	16	16
		Hour	5	5	5	5	5	5	5				2	3	4	5
31	G. N. Jithesh															
32	Gayathri R															
33	Geethu Elsa John															
34	George P Eapen															
35	Gifty Joseph															
36	Gokul Krishna															
37	Gokul Krishna															
38	Greeshma K															
39	Harisha Haridas															
40	Haritha Harikumar															
41	Jeena Susan															
42	Jibi B															
43	Jilu P Joseph															
44	Jishnu K P															
45	Joel Mammachen															
46	Jubina Biju															
47	Karthik T Das															
48	Kenney S Thomas															
49	Mahesh Manikuttan															
50	Manju Manoj															
51	Mebin Kadavil Thomas															
52	Merlin Anna															
53	Nikhil Cherian															
54	Nithil Abraham															
55	Renu Ruchel															
56	Reshma Rajesh															
57	Rizwan Talal															
58	Roshin Abin Mathew															
59	Siju Koshy															
60	Sinu V S															

Name of the Faculty & Signature

snarupa

Johnsymol Joy

Anju Ann Abraham

Signature of the lecturer incharge

*TA - Total Absent

16   17