



SAINTGITS COLLEGE OF APPLIED SCIENCES

VALUE ADDED COURSES 2018-'19



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

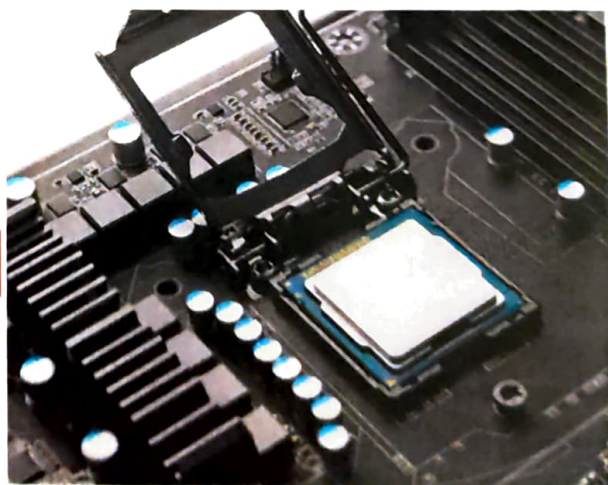
- Identify the names, purpose and characteristics of hardware components
- Identify ports and connectors: Serial, Parallel, USB, Fire wire, IDE, FDC etc and Interface cards.
- Discover basic procedures for adding and removing hardware components
- Develop android app using MIT appinventor

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)



**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

Table with columns: Roll No, Month, Date, Hour, and student names from 1 to 24. Includes names like Abhilesh Mathew, Achayan S, Anu Jose Jacob, etc.

Name of the Faculty & Signature

Johnyomal GJ

Signature of the lecturer in charge

STUDENTS ATTENDANCE

Table with columns: Roll No, Month, Date, Hour, and student names from 1 to 24. Includes names like Anu S, Anu Jose Jacob, etc.

Handwritten signature in red ink at the bottom right of the second page.

Handwritten signature in black ink at the bottom of the second page.

STUDENTS ATTENDANCE

Roll No	Month											
	7	8	8	8	9	9	9	9	9	10	10	10
	Date	24	25	26	27	28	29	30	31	1	2	3
Hour	26	1	1	4	1	2	6	2	1	2	1	1
29	Adina Acharya	X	X	X	X	X	X	X	X	X	X	X
30	Adi Sain	X	X	X	X	X	X	X	X	X	X	X
31	Adar Chacko	X	X	X	X	X	X	X	X	X	X	X
32	Adarsh Chintane	X	X	X	X	X	X	X	X	X	X	X
33	Adarsh Patel	X	X	X	X	X	X	X	X	X	X	X
34	Adarsh Mathew	X	X	X	X	X	X	X	X	X	X	X
35	Adarsh Sam	X	X	X	X	X	X	X	X	X	X	X
36	Adarsh Solomon	X	X	X	X	X	X	X	X	X	X	X
37	Adarsh Salim	X	X	X	X	X	X	X	X	X	X	X
38	Adarsh M	X	X	X	X	X	X	X	X	X	X	X
39	Adarsh Nishikumar	X	X	X	X	X	X	X	X	X	X	X
40	Adarsh T. V	X	X	X	X	X	X	X	X	X	X	X
41	Adarsh Raj	X	X	X	X	X	X	X	X	X	X	X
42	Adarsh Rakesh	X	X	X	X	X	X	X	X	X	X	X
43	Adarsh Karthik	X	X	X	X	X	X	X	X	X	X	X
44	Adarsh Jay	X	X	X	X	X	X	X	X	X	X	X
45	Adarsh Jibha George	X	X	X	X	X	X	X	X	X	X	X
46	Adarsh Chandu Jacob	X	X	X	X	X	X	X	X	X	X	X
47	Adarsh Abraham	X	X	X	X	X	X	X	X	X	X	X
48	Adarsh Saij	X	X	X	X	X	X	X	X	X	X	X
49	Adarsh Jale	X	X	X	X	X	X	X	X	X	X	X
50	Adarsh James	X	X	X	X	X	X	X	X	X	X	X
51	Adarsh P. Mathew	X	X	X	X	X	X	X	X	X	X	X
52	Adarsh S. Jacob	X	X	X	X	X	X	X	X	X	X	X
53	Adarsh Thomas	X	X	X	X	X	X	X	X	X	X	X
54	Adarsh Anna	X	X	X	X	X	X	X	X	X	X	X
55	Adarsh Saha	X	X	X	X	X	X	X	X	X	X	X
56	Adarsh Suletha	X	X	X	X	X	X	X	X	X	X	X
57	Adarsh G	X	X	X	X	X	X	X	X	X	X	X
58	Adarsh - Anwar Thomas	X	X	X	X	X	X	X	X	X	X	X
59	Name of the Faculty & Signature	X	X	X	X	X	X	X	X	X	X	X
60	Xoyat Nazim (Johny) Jay	X	X	X	X	X	X	X	X	X	X	X
61	Suletha S	X	X	X	X	X	X	X	X	X	X	X
62	Suletha S Mathew	X	X	X	X	X	X	X	X	X	X	X

Signature of the lecturer incharge

STUDENTS ATTENDANCE

Roll No	Month											
	11	11	11	11	12	12	12	12	13	13	13	13
	Date	24	25	26	27	28	29	30	31	1	2	3
Hour	26	1	1	4	1	2	6	2	1	2	1	1
10	X	X	X	X	X	X	X	X	X	X	X	X
11	X	X	X	X	X	X	X	X	X	X	X	X
12	X	X	X	X	X	X	X	X	X	X	X	X
13	X	X	X	X	X	X	X	X	X	X	X	X
14	X	X	X	X	X	X	X	X	X	X	X	X
15	X	X	X	X	X	X	X	X	X	X	X	X
16	X	X	X	X	X	X	X	X	X	X	X	X
17	X	X	X	X	X	X	X	X	X	X	X	X
18	X	X	X	X	X	X	X	X	X	X	X	X
19	X	X	X	X	X	X	X	X	X	X	X	X
20	X	X	X	X	X	X	X	X	X	X	X	X
21	X	X	X	X	X	X	X	X	X	X	X	X
22	X	X	X	X	X	X	X	X	X	X	X	X
23	X	X	X	X	X	X	X	X	X	X	X	X
24	X	X	X	X	X	X	X	X	X	X	X	X
25	X	X	X	X	X	X	X	X	X	X	X	X
26	X	X	X	X	X	X	X	X	X	X	X	X
27	X	X	X	X	X	X	X	X	X	X	X	X
28	X	X	X	X	X	X	X	X	X	X	X	X
29	X	X	X	X	X	X	X	X	X	X	X	X
30	X	X	X	X	X	X	X	X	X	X	X	X
31	X	X	X	X	X	X	X	X	X	X	X	X
32	X	X	X	X	X	X	X	X	X	X	X	X
33	X	X	X	X	X	X	X	X	X	X	X	X
34	X	X	X	X	X	X	X	X	X	X	X	X
35	X	X	X	X	X	X	X	X	X	X	X	X
36	X	X	X	X	X	X	X	X	X	X	X	X
37	X	X	X	X	X	X	X	X	X	X	X	X
38	X	X	X	X	X	X	X	X	X	X	X	X
39	X	X	X	X	X	X	X	X	X	X	X	X
40	X	X	X	X	X	X	X	X	X	X	X	X
41	X	X	X	X	X	X	X	X	X	X	X	X
42	X	X	X	X	X	X	X	X	X	X	X	X
43	X	X	X	X	X	X	X	X	X	X	X	X
44	X	X	X	X	X	X	X	X	X	X	X	X
45	X	X	X	X	X	X	X	X	X	X	X	X
46	X	X	X	X	X	X	X	X	X	X	X	X
47	X	X	X	X	X	X	X	X	X	X	X	X
48	X	X	X	X	X	X	X	X	X	X	X	X
49	X	X	X	X	X	X	X	X	X	X	X	X
50	X	X	X	X	X	X	X	X	X	X	X	X
51	X	X	X	X	X	X	X	X	X	X	X	X
52	X	X	X	X	X	X	X	X	X	X	X	X
53	X	X	X	X	X	X	X	X	X	X	X	X
54	X	X	X	X	X	X	X	X	X	X	X	X
55	X	X	X	X	X	X	X	X	X	X	X	X
56	X	X	X	X	X	X	X	X	X	X	X	X
57	X	X	X	X	X	X	X	X	X	X	X	X
58	X	X	X	X	X	X	X	X	X	X	X	X
59	X	X	X	X	X	X	X	X	X	X	X	X
60	X	X	X	X	X	X	X	X	X	X	X	X
61	X	X	X	X	X	X	X	X	X	X	X	X
62	X	X	X	X	X	X	X	X	X	X	X	X