

SAINTGITS COLLEGE OF APPLIED SCIENCES

VALUE ADDED COURSES 2019-20

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

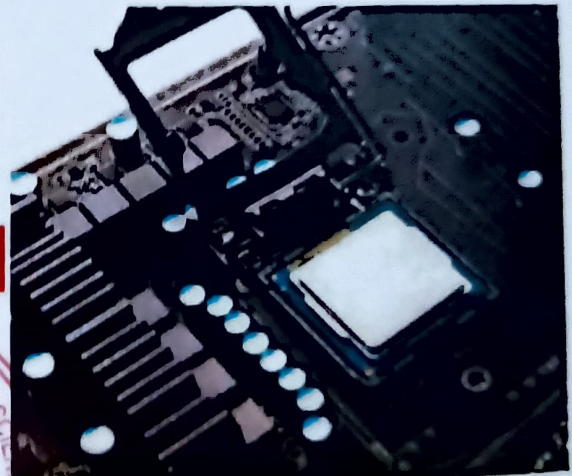
- Identify the names, purpose and characteristics of hardware components
- Identify ports and connectors: Serial, Parallel, USB, Fire wire, IDE, FDC etc and interface cards.
- Discover basic procedures for adding and removing hardware components
- Develop android app using MIT appinventor

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.



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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 for Roll No, Month, Date, Hour, and student names. Rows include students like Abhinand K, Abin Samraen, Adithya Dev, etc.

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Name of the Faculty & Signature

31. Silu Elsa Jacob
32. Sishone Saji
33. Sithu Varghese Jacob
Signature of the lecturer in charge: Johnson



Handwritten signature in blue ink.

STUDENTS ATTENDANCE

Month	6	6	7	7	7	7	8	8	8	8	8	8	8
Date	26	28	3	9	11	18	25	1	20	27	27	27	27
Hour	6	1	6	1	1	1	1	1	1	2	2	1	1

34.	Jebel John James	X	X	X	X	X	X	X	X	X	X	X	X
35.	Kamal Nath	X	X	X	X	X	X	X	X	X	X	X	X
36.	Karthik J	X	X	X	X	X	X	X	X	X	X	X	X
37.	Keshtana Rishi	X	X	X	X	X	X	X	X	X	X	X	X
38.	Kevin Shaji Thomas	X	X	X	X	X	X	X	X	X	X	X	X
39.	Kiran Simon Sagar	X	X	X	X	X	X	X	X	X	X	X	X
40.	M.S Ravicankar	X	X	X	X	X	X	X	X	X	X	X	X
41.	Narajima Sree	X	X	X	X	X	X	X	X	X	X	X	X
42.	Neghna Raj	X	X	X	X	X	X	X	X	X	X	X	X
43.	Noble Mathew	X	X	X	X	X	X	X	X	X	X	X	X
44.	Nidhulesh Murali	X	X	X	X	X	X	X	X	X	X	X	X
45.	Mohammed Bilal P.S	X	X	X	X	X	X	X	X	X	X	X	X
46.	Mohassina Mohammed Ali	X	X	X	X	X	X	X	X	X	X	X	X
47.	Navya Ann Jacob	X	X	X	X	X	X	X	X	X	X	X	X
48.	Neha Sujia Rijy	X	X	X	X	X	X	X	X	X	X	X	X
49.	Nikhil Jacob Kurian	X	X	X	X	X	X	X	X	X	X	X	X
50.	Nithin Mathew	X	X	X	X	X	X	X	X	X	X	X	X
51.	P.S Sam	X	X	X	X	X	X	X	X	X	X	X	X
52.	Prathiba Ann Jayesh	X	X	X	X	X	X	X	X	X	X	X	X
53.	Raisa Ann Jasly	X	X	X	X	X	X	X	X	X	X	X	X
54.	Ravathy P	X	X	X	X	X	X	X	X	X	X	X	X
55.	Rohan Joseph	X	X	X	X	X	X	X	X	X	X	X	X
56.	Roshan Thomas	X	X	X	X	X	X	X	X	X	X	X	X
57.	Sachin C Varghese	X	X	X	X	X	X	X	X	X	X	X	X
58.	Sanjay Saji J	X	X	X	X	X	X	X	X	X	X	X	X
59.	Shirya Kochy Varghese	X	X	X	X	X	X	X	X	X	X	X	X
60.	Somy Akshaban	X	X	X	X	X	X	X	X	X	X	X	X
61.	Soyal Akshaban Mathew	X	X	X	X	X	X	X	X	X	X	X	X
62.	Shwetha Suresh	X	X	X	X	X	X	X	X	X	X	X	X
63.	Syam Varghese Mathew	X	X	X	X	X	X	X	X	X	X	X	X

Name of the Faculty & Signature
 64. Trine Varghese
 65. Vasudevan Nampoothy
 66. Veena Vinod
 67. Vijay C J

Signature of the lecturer incharge

Johny J J

STUDENTS ATTENDANCE

Month	9	11	11	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12
Date	12	13	15	15	16	18	23	30	30	30	30	30	30	31	31	31	31	31	31
Hour	3	4	5	6	4	5	6	5	6	3	4	5	6	6	6	6	6	6	6

41	X	X	X	X	X	X	X	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	X	X	X	X	X	X	X
43	X	X	X	X	X	X	X	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	X	X	X	X	X	X	X
45	X	X	X	X	X	X	X	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	X	X	X	X	X	X	X
47	X	X	X	X	X	X	X	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	X	X	X	X	X	X	X
49	X	X	X	X	X	X	X	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	X	X	X	X	X	X	X
51	X	X	X	X	X	X	X	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	X	X	X	X	X	X	X
53	X	X	X	X	X	X	X	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	X	X	X	X	X	X	X
55	X	X	X	X	X	X	X	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	X	X	X	X	X	X	X
57	X	X	X	X	X	X	X	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	X	X	X	X	X	X	X
59	X	X	X	X	X	X	X	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	X	X	X	X	X	X	X
61	X	X	X	X	X	X	X	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	X	X	X	X	X	X	X
63	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Signature of the lecturer incharge
 [Red Stamp]
 [Signature]