



ST. JOSEPHS COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)
CUDDALORE 607 001.

(Re-accredited by NAAC with 'A' grade- 3rd cycle)

VALUE ADDED COURSE –SYLLABUS

2019-2020

Name of the Department : PG and Research Department of Computer Science

Name of the Course : Hardware Trouble Shooting

Course Code : VACS01

Laptop	
DAY 1	Basic concepts of electrical and electronics PC Architecture Peripheral devices and types
DAY 2	PC Assembling and Disassembling
DAY 3	BIOS Installation of windows 7,8
DAY 4	Installation of windows 10 Basic software installations
DAY 5	PC Troubleshooting No power on, No display problem,etc
DAY 6	Laptop service tools Laptop assembling and disassembling Laptop practical LED and LCD display,battery, keyboard, hard disk, Ram,dvddrive,wificard.adapter
DAY 7	Laptop troubleshooting Adapter related problems Battery related problems LCD related problems Hard disk related problems
DAY 8	Basic electronics Resistor,capacitor,inductor,diode,transistor,mosfet
DAY 9	Soldering and de-soldering practice Electronics –practical
DAY 10	Laptop motherboard concepts Motherboard troubleshooting
Smart Phone	
DAY 11	Cell phone concepts Cellphone service tools & equipments Cellphone components Mic,ear piece,loud speaker,vibrator,sensors,etc
DAY 12	Cellphone assemble and disassemble LCD TOUCH/PA
DAY 13	Cell phone battery Charging connector Sim card, Secret codes,mobile rooting

Value added Course

DAY 14	Cellphone motherboard troubleshooting Jumper setting Password unlock Mobile flashing
DAY 15	Troubleshooting Charging problem Network problem Display ,Restartproblem Mic,speaker related problems, software problems



Signature of the Coordinator



Signature of the HOD