

SKILL DEVELOPMENT COURSE REPORT 2017-18

1. Name of the Department:- Electronic Science
2. Name of the course:- Computer Hardware and Networking Maintenance
3. Course Co-coordinator:- S.A.Belage
4. Teaching Faculty:- Prof. Sujit Pangavhane
Shri. Bhakare K.A.
5. Objective of the course:-
 - i) Understand the the working principal and construction of computer.
 - ii) Know the cases of faults and repair of the computer.
 - iii) Acquire skills for testing and repair of the computer.
 - iv) Get introduced to the construction and working principal of computer.
 - v) Learn and repair overheating procedure for computer.
 - vi) Dismantle and reassemble the computer.
6. Course Period:- 18th December 2017 to 17th January 2018.
7. Total students admitted to the course:-21.


HEAD
Dept. Electronic Sci.
S.S.G.M.College,Kopargaon

PRINCIPAL



S.S.G.M.College, Kopargaon.
DEPARTMENT OF ELECTRONIC SCIENCE
Computer Hardware & Networking Maintenance
Student List 2017-2018

F.Y.B.Sc :

1. Nagare Akshay Rajesh
2. Mudgal Manish Sanjay
3. Paik Mayur Sunil
4. More Rahul Prakash
5. Pangavhane Sagar Nanasaheb
6. Rohokale Saurabh Balasaheb
7. Roham Dipali Appasaheb
8. Labhade Sachin sanjay
9. Daphal Aniket Pandurang
10. Game sakshi Venunath

S.Y.B.Sc:

- 1.Shinde Akshay Babasaheb
- 2.More Kiran Arun
- 3.Ghotekar PriyankaShantaram
- 4.Ugale Kavita Sanjay
5. Kapse Shubham Dagu
6. Ushir Pankaj ramesh
- 7.Dakhane Shubham Sahebrao
- 8.Ghogare Savernkika Nivruti
9. Gavali Bhagyashri Vilas
10. Nikam Rahul Bhausahab
11. Sonawane Hemant Gorakh



S. S. G. M. Science, Gautam Arts &
Sanjivani Commerce College, Kopargaon

Fee Receipt R.No. 5083

Name Ishik Ramkai

Class _____ Roll No. _____

Sr.	Particulars	Rs.
I.	Journal/Brakage -	}
	i) Phy. Dept. -	
	ii) Chem. Dept. -	
	iii) Bio Dept. -	
II.	T.C. / L. C. Fee -	
III.	Fine -	
IV.	Other <u>Computer</u>	1500
		1500

Rs. in Words One thousand five hundred

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Fee Receipt R.No. 5084

Name Dekhare Shubhan

Class _____ Roll No. _____

Sr.	Particulars	Rs.
I.	Journal/Brakage -	}
	i) Phy. Dept. -	
	ii) Chem. Dept. -	
	iii) Bio Dept. -	
II.	T.C. / L. C. Fee -	
III.	Fine -	
IV.	Other <u>Computer</u>	1500
		1500

Rs. in Words One thousand five hundred

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Fee Receipt R.No.

Name Ghogare Saavankika

Class _____ Roll No. _____

Sr.	Particulars	Rs.
I.	Journal/Brakage -	?
	i) Phy. Dept. -	
	ii) Chem. Dept. -	
	iii) Bio Dept. -	
II.	T.C. / L. C. Fee -	
III.	Fine -	
IV.	Other <u>Compata</u>	1500
		1500

Rs. in Words One Thousand five hundred

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S. S. G. M. Science, Gautam Arts &
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Fee Receipt R.No. 5058

Name Ganesh Bhusari

Class _____ Roll No. _____

Sr.	Particulars	Rs.
I.	Journal/Brakage -	?
	i) Phy. Dept. -	
	ii) Chem. Dept. -	
	iii) Bio Dept. -	
II.	T.C. / L. C. Fee -	
III.	Fine -	
IV.	Other <u>Compata</u>	1500
		1500

Rs. in Words One Thousand five hundred

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S. G. M. Science, Gautam Arts & Sanjivani Commerce College, Kopargaon

Fee Receipt R.No. 5064

Name Shri. Akshay
Class _____ Roll No. _____

Sr.	Particulars	Rs.
I.	Journal/Brakage -	}
	i) Phy. Dept. -	
	ii) Chem. Dept. -	
	iii) Bio Dept. -	
II.	T.C. / L. C. Fee -	
III.	Fine -	
IV.	Other <u>Compu</u>	1500
		1500

Rs. in Words One thousand five hundred

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कशिअर

2016-17-25 Book

S. S. G. M. Science, Gautam Arts & Sanjivani Commerce College, Kopargaon

Fee Receipt R.No. 5067

Name Ghodkar Poojanku
Class _____ Roll No. _____

Sr.	Particulars	Rs.
I.	Journal/Brakage -	}
	i) Phy. Dept. -	
	ii) Chem. Dept. -	
	iii) Bio Dept. -	
II.	T.C. / L. C. Fee -	
III.	Fine -	
IV.	Other <u>Compu</u>	1500
		1500

Rs. in Words One thousand five hundred

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S. S. G. M. Science, Gautam Arts & Sanjivani Commerce College, Kopargaon

Fee Receipt R.No. 5065

Name More Poojan
Class _____ Roll No. _____

Sr.	Particulars	Rs.
I.	Journal/Brakage -	}
	i) Phy. Dept. -	
	ii) Chem. Dept. -	
	iii) Bio Dept. -	
II.	T.C. / L. C. Fee -	
III.	Fine -	
IV.	Other <u>Compu</u>	1500
		1500

Rs. in Words One thousand five hundred

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S. S. G. M. Science, Gautam Arts & Sanjivani Commerce College, Kopargaon

Fee Receipt R.No. 5066

Name Yadav Anshu
Class _____ Roll No. _____

Sr.	Particulars	Rs.
I.	Journal/Brakage -	}
	i) Phy. Dept. -	
	ii) Chem. Dept. -	
	iii) Bio Dept. -	
II.	T.C. / L. C. Fee -	
III.	Fine -	
IV.	Other <u>Compu</u>	1500
		1500

Rs. in Words One thousand five hundred

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S. S. G. M. Science, Gautam Arts &
Sanjivani Commerce College, Kopargaon

Fee Receipt R.No. 5089

Name Kalpe S S

Class _____ Roll No. _____

Sr.	Particulars	Rs.
I.	Journal/Brakage -	7
	i) Phy. Dept. -	
	ii) Chem. Dept. -	
	iii) Bio Dept. -	
II.	T.C. / L. C. Fee -	
III.	Fine -	
IV.	Other <u>Comptite</u>	1500
		1500

Rs. in Words One thousand five hundred

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कॅशियर

S. S. G. M. Science, Gautam Arts &
Sanjivani Commerce College, Kopergaon

Fee Receipt R.No. 5051

Name Dafal Amiket

Class _____ Roll No. _____

Sr.	Particulars	Rs.
I.	Journal/Brakage -	}
	i) Phy. Dept. -	
	ii) Chem. Dept. -	
	iii) Bio Dept. -	
II.	T.C. / L. C. Fee -	
III.	Fine -	
IV.	Other <u>Computer</u>	1500
		1500

Rs. in Words One Thousand five hundred

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S. S. G. M. Science, Gautam Arts &
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Fee Receipt R.No.

Name Jale Dinger

Class _____ Roll No. _____

Sr.	Particulars	Rs.
I.	Journal/Brakage -	}
	i) Phy. Dept. -	
	ii) Chem. Dept. -	
	iii) Bio Dept. -	
II.	T.C. / L. C. Fee -	
III.	Fine -	
IV.	Other <u>Computer</u>	1500
		1500

Rs. in Words One thousand five hundred

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S. S. G. M. Science, Gautam Arts &
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Fee Receipt R.No. 5050

Name Gane Gakshi

Class _____ Roll No. _____

Sr.	Particulars	Rs.
I.	Journal/Brakage -	}
	i) Phy. Dept. -	
	ii) Chem. Dept. -	
	iii) Bio Dept. -	
II.	T.C. / L. C. Fee -	
III.	Fine -	
IV.	Other <u>Computer</u>	1500
		1500

Rs. in Words One thousand five hundred

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2016-17-25 Book
S. S. G. M. Science, Gautam Arts &
Sanjivani Commerce College, Kopargaon

Fee Receipt R.No. 5079

Name Nikhil Babur

Class _____ Roll No. _____

Sr.	Particulars	Rs.
I.	Journal/Brakage -	7
	I) Phy. Dept. -	
	ii) Chem. Dept. -	
	iii) Bio Dept. -	
II.	T.C. / L. C. Fee -	
III.	Fine	
IV.	Other <u>Computer</u>	1500
		1500

Rs. in Words One thousand five
hundred

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S. S. G. M. Science, Gautam Arts &
Sanjivani Commerce College, Kopargaon

Fee Receipt R.No. 5080

Name Sonawane Hemant

Class _____ Roll No. _____

Sr.	Particulars	Rs.
I.	Journal/Brakage -	7
	I) Phy. Dept. -	
	ii) Chem. Dept. -	
	iii) Bio Dept. -	
II.	T.C. / L. C. Fee -	
III.	Fine	
IV.	Other <u>Computer</u>	1500
		1500

Rs. in Words One thousand five
hundred

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S. S. G. M. Science, Gautam Arts & Sanjivani Commerce College, Kopergaon

Fee Receipt R.No. 5003

Name Labhude Sushm

Class _____ Roll No. _____

Sr.	Particulars	Rs.
I.	Journal/Brakage -	2
	I) Phy. Dept. -	
	ii) Chem. Dept. -	
	iii) Bio Dept. -	
II.	T.C. / L. C. Fee -	
III.	Fine -	
IV.	Other <u>Computer</u>	1500
		1500

Rs. in Words Two thousand five hundred

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S. S. G. M. Science, Gautam Arts & Sanjivani Commerce College, Kopergaon

Fee Receipt R.No. 5001

Name Rohitkale Saurabh

Class _____ Roll No. _____

Sr.	Particulars	Rs.
I.	Journal/Brakage -	2
	I) Phy. Dept. -	
	ii) Chem. Dept. -	
	iii) Bio Dept. -	
II.	T.C. / L. C. Fee -	
III.	Fine -	
IV.	Other <u>Computer</u>	1500
		1500

Rs. in Words Two thousand five hundred

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केशिअर

S. S. G. M. Science, Gautam Arts & Sanjivani Commerce College, Kopergaon

Fee Receipt R.No. 5002

Name Rohem Dibal

Class _____ Roll No. _____

Sr.	Particulars	Rs.
I.	Journal/Brakage -	2
	I) Phy. Dept. -	
	ii) Chem. Dept. -	
	iii) Bio Dept. -	
II.	T.C. / L. C. Fee -	
III.	Fine -	
IV.	Other <u>Computer</u>	1500
		1500

Rs. in Words Two thousand five hundred

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केशिअर

Fee Receipt R.No. 5000

Name Pangurhara Sagar
Class _____ Roll No. _____

Sr.	Particulars	Rs.
I.	Journal/Brakage -	2
	i) Phy. Dept. -	
	ii) Chem. Dept. -	
	iii) Bio Dept. -	
II.	T.C. / L. C. Fee -	
III.	Fine	
IV.	Other <u>Computer</u>	1500
		1500

Rs. in Words Two thousand five hundred

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Fee Receipt R.No. 4998

Name Paik Mayur
Class _____ Roll No. _____

Sr.	Particulars	Rs.
I.	Journal/Brakage -	2
	i) Phy. Dept. -	
	ii) Chem. Dept. -	
	iii) Bio Dept. -	
II.	T.C. / L. C. Fee -	
III.	Fine	
IV.	Other <u>Computer</u>	1500
		1500

Rs. in Words Two thousand five hundred

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कॅशियर

2016 -17 = 25 Book

Fee Receipt R.No. 4999

Name Moec Rahul
Class _____ Roll No. _____

Sr.	Particulars	Rs.
I.	Journal/Brakage -	2
	i) Phy. Dept. -	
	ii) Chem. Dept. -	
	iii) Bio Dept. -	
II.	T.C. / L. C. Fee -	
III.	Fine	
IV.	Other <u>Computer</u>	1500
		1500

Rs. in Words Two thousand five hundred

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कॅशियर

Program Project Report (PPR)

Program Name: Advanced Certificate Course in Computer Hardware & Networking Maintenance (ACC-CHNM) - ToT

Proposed by: Rayat Shikshan Sanstha's R. B. Narayanrao Borawake College, Shrirampur, Dist. Ahmednagar

Batch size proposed: 10 trainers

Proposed Program Duration: 30 Hours

- 5 days – 6 hours daily

Program co-ordinators:

Ms. Sonali Karale, 9881313265

• Overview of program

1. Program Objectives:

- To understand basic concept and structure of computer H/w, S/w and networking
- To get knowledge about computer peripherals to identify / rectify problems on-board
- To integrate the PCs, servers, install/re-install operating systems and various shipboard applications including routine maintenance, upgrades, manage data backup and restore operations on server
- To understand the different protocols, install, configure and operate LAN, WAN, and wireless access services securely

2. Target group of learners:

- Local Teachers
- System Administrators
- Technical supporters



- Curriculum and Pedagogy

1. Curriculum

Module	Contents	Hours	
		Theory	Practical
1	Introduction to Computer <ul style="list-style-type: none"> • Definition, types, history/generations • Architecture/Organisation of Computer • Hardware and Software • Assembly/Disassembly • Trouble-Shooting Software tools • Peripheral devices • Application of Computer 	1	2
2	Operating System <ul style="list-style-type: none"> • Definition • Dos • Windows and Windows server • Unix/Linux • Installation of OS • File handling 	2	4
3	Networking Fundamentals <ul style="list-style-type: none"> • Introduction to Computer Networks • Network Topology • LAN,MAN, WAN Technologies • Ethernet Standards • Network Troubleshooting Tools/Devices (Hubs, Switches, Routers) • Network Components • Network Media (Cabling) • The OSI reference model • TCP/IP model • IP routing, IPV4, IPV6, etc • Network Protocols – HTTP, HTTPS, FTP, TELNET, SMTP • Remote Access & Security • Wireless Technologies • PAN, VAN, Wi-Fi, Hotspot, WiMAX, VOIP 	1	4

4	Printers & Plotters <ul style="list-style-type: none"> • Types of printers, Dot Matrix printers, laser printer, Ink jet printer, line printer. • Block diagram and function of each unit head assembly, carriage, and paper feed mechanism. • Front panel controls and interfaces. Pin details of interface port. • Installation of a Printer driver, Ribbon types used, Refilling of ribbons, Printer cable testing defects, effect and servicing, Printer head, types, cleaning procedures • Precaution to be taken while removing and replacing printer head assembly, Pinter power supply, circuit analysis, defects, servicing. 	2	2
5	Installation and configuration of Servers <ul style="list-style-type: none"> • Types of servers - File Server, Web Server, Email Server, Proxy Server • Installation and Configuration of Windows Server • Design and Implementing Server Infrastructure 	2	4
6	Network Security <ul style="list-style-type: none"> • Data Security • E-mail Security • IP Security • Web Security • Anti-virus, firewall • Server/PC backup • Recovery • Security policies 	2	4

2. Pedagogy

- Total duration of 30 hours shall be allocated as follows:
 - i. Theory sessions: 10 hours
 - ii. Practical sessions: 20 hours
- Media used for delivery of instruction for the programme shall include print material, tutorials, lab/practical sessions and work books/Activity sheets



- **Requirement of the Resources**
 - Expert to write and deliver the content
 - Laboratory setup with appropriate hardware and software

- **Proposed fees for the program:**
 - INR 12,000 without accommodation and food
 - INR 15, 000 with accommodation and food for 5 days

- **Assessment**
 - Evaluations are in the form of Computer Based Examination consisting of Multiple Choice Questions of 30 marks with 50% passing and 70 marks are allocated for practical examination
 - The questions formulated are based on the program / course objectives
 - The questions are designed to test student's knowledge and applications/implementation of concepts learned

Note: We proposed ToT where trainers will be trained and then they will conduct the sessions for students from 2nd batch.

"Education Through Self - Help is our Motto" - Karmaveer

Rayat Shikshan Sanstha's



Shri Sadguru Gangageer Maharaj Science,
Gautam Arts & Sanjivani Commerce College




Kopargaon, Dist. Ahmednagar (M.S.)

Short Term Course

CERTIFICATE OF COMPLETION

This is to Certify that Shri/Kum. UGALE KAVITA SANJAY
of Class T. Y. B.Sc. has Completed Short Term Course in COMPUTER HARDWARE
& NETWORKING MAINTENANCE conducted by the department of _____
during the academic year 2017 /2018


Course Co-ordinator


Co-ordinator


Principal

Principal
S.S.G.M. College
Kopargaon