GOVERNMENT DEGREE COLLEGE, GAJWEL

Certificate Course in Hardware & Networking 2016 – 2017
From 02.11.2016 to 30.01.2017

<u>**Syllabus:**</u>

1. **Introduction about Computer:**
   - Basic of computer
   - Organization of computer
   - Software and hardware
   - Input/output device

2. **Basic networking concept:**
   - Network topologies
   - LAN, WAN, MAN, PAN
   - Network adapters
   - Introducing Protocols

3. **Introducing to various networking devices:**
   - Routers
   - Switches
   - Modems
   - Hubs etc
   - Wired and Wireless technology

4. **Network basic and configuration**:
   - Setting IP addresses
   - Sharing file and folders
   - Networking troubleshooting
   - PING test

5. **Introduction to servers and network security:**
   - Types of servers
   - Files servers
   - Email server
   - Proxy server etc
   - Types of Internet connections
   - Dialup, Broadband, Wi-Fi, 2G, 3G, WWW, E-mails
   - Search Engine, Social Networking,
   - Voice over Internet Protocol (VOIP)
   - Recovery and backup
   - Essential security measures.

Meeting
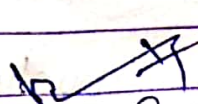
The Coordinator, TSKC, Ms. R. Shobha Rani has called for a committe meeting today, i.e. on 25th October, 2016 to discuss the following agenda.

1. participation of students in various prog -rammes conducted so far.
2. Sharing of Syllabus by the members of faculty.
3. Organising a certificate course on Hardware and Notworking.
4. Any other issue related to TSKC with the permission of the chairperson.

Following are the resolutions made in the meeting after deliberation.

1. Motivate students of all disciplines, especially of Arts to participate in the activities.
2. The prescribed Syllabus may be shared by all the members of faculty Equitably.
3. A Certificate course in Hardware and Net -working Shall Commence in the first week of November. The duration of course Shall be 45 days.

Coordinator