



**Drupal**  
*(Case Study)*



## Current Situation

system at many cybercafés is manual. Hence cybercafé operators find it difficult to bill the customers properly for the amount which they have spent in the cybercafé. With the help of the Billing and Metering Tool, you can accurately track and



### **Business**

Drupal is a free software package that allows an individual or a community of users to easily publish, manage and organize a wide variety of content on a website. Tens of thousands of people and organizations are using Drupal to power scores of different web sites, including Community web portals, Discussion sites, corporate web sites, Intranet applications, Personal web sites or blogs, Aficionado sites, E-commerce applications, Resource directories, Social Networking sites, intranets, and much more.

### **Benefits**

- Easy to install - Drupal installation described here.
- Easy to use - no programming knowledge needed! Read this tutorial to learn the basics of Drupal.
- Lots of features including Search Engine Friendly URLs (SEF), categories, search function and many more.
- Lots of modules to extend your site's functionality.
- Flexibility - you can easily turn your Drupal installation into a forum, blog, wiki and many other types of web sites.
- Free to use, open source. You can freely install Drupal and you can modify the source code to fit your needs.
- Lots of users and a large community - easy to find solutions to your problems.

*Drupal is wildly popular because it provides a powerful, scalable, low cost, high value solution to manage and grow an internet presence.*

*Drupal is open source which means the code is freely available to anyone to use and modify. This means no license fees and no vendor lock in.*

*Drupal is supported by a passionate community of thousands of developers who continuously work to enhance the functionality and security of Drupal to enterprise levels and beyond. A community this large means that you'll never be stuck without support if your developer goes out of business and you'll have free access to future upgrades and security enhancements.*



...ts Situation  
 ...ystem at many cybercafés is manual. Hence cybercafé  
 ...rators find it difficult to bill the customers properly for  
 ...for which they have spent in the cybercafé.  
 ...and it difficult to bill the customers  
 ...for which they have spent in the cybercafé.  
 ...Billing and Metering Tool, you can accurately track and



## Typical Drupal Applications

By enabling and configuring individual modules, unique sites which can be used for knowledge management, web publishing, community interaction purposes, etc. can be setup. Some typical Drupal usages:

Content Management - Via a simple, browser-based interface, members can publish stories, blogs, polls, images, forums, etc. Administrators can easily customize the design of their Drupal installation.

The Drupal classification system allows hierarchical ordering, cross-indexing of posts and multiple categories sets for most content types. Access to content is controlled through administrator-defined user roles.

Weblog - A single installation can be configured as an individual personal weblog site or multiple individual weblogs. Drupal supports the Blogger API, provides RSS feeds for each individual blog and can be set to ping weblog directories when new content is posted on the home page.

Discussion-based community - A Drupal web site can be successfully used as a discussion forum. Comment boards, attached to most content types, make it simple for members to discuss new posts. Administrators can control whether content and comments are posted without approval, with administrator approval or through community moderation. Also, there is a built-in news aggregator.

Collaboration - Used for managing the construction of Drupal, the project module is suitable for supporting other open source software projects. The wiki-like collaborative book module includes versions control, making it simple for a group to create, revise and maintain documentation or any other type of text.

## Features

### Multilingual Support

Drupal is designed to meet the requirements of an international audience and provides a full framework to create a multi-lingual website. All text can be translated using a graphical user interface, by importing existing translations, or

by integrating with other translation tools such as the GNU gettext.

### Collaborative Book

Our unique collaborative book feature lets you setup a "book" and then authorize other individuals to contribute content.

### Friendly URLs

Drupal uses Apache's rewrite module to enable customizable URLs that are both user and search engine friendly.

### Modules

The Drupal community has contributed many modules which provide functionality that extend Drupal core.

### Personalization

A robust personalization environment is at the core of Drupal. Both the content and the presentation can be individualized based on user-defined preferences.

### Role Based Permission System

Drupal administrators don't have to tediously setup permissions for each user. Instead, they assign permissions to roles and then group like users into a role group.

### Searching

All content in Drupal is fully indexed and searchable at all times if you take advantage of the built in search module.

### User Authentication

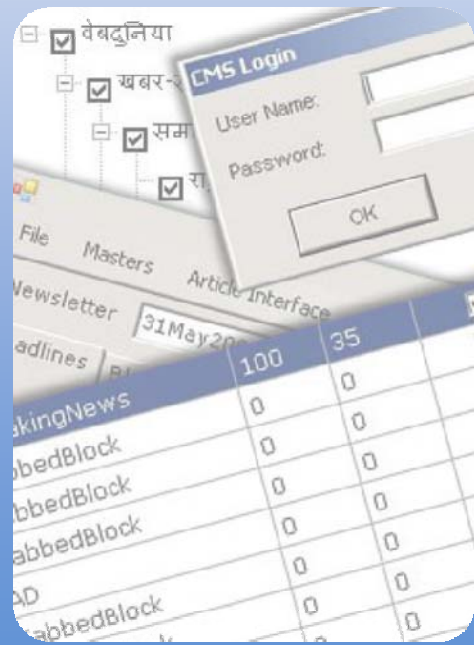
Users can register and authenticate locally or using an external authentication source like Jabber, Blogger etc. or even with an LDAP server.

### Polls

Drupal comes with a poll module which enables administrators and/or users to create polls and show them on various pages.

### Templates

Drupal's theme system separates content from presentation allowing you to control the look and feel of your Drupal site. Templates are created from standard HTML and PHP coding.





## Current Situation

system at many cybercafés is manual. Hence cybercafé operators find it difficult to bill the customers properly for the time which they have spent in the cybercafé. With the help of the Billing and Metering Tool, you can accurately track and



Drupal provides a powerful threaded comment model for enabling discussion. Comments are hierarchical as in a newsgroup or forum.

### Analysis, Tracking and Statistics

Drupal can print browser-based reports with information about referrals, content popularity and how visitors navigate your site.

### Logging and Reporting

All important activities and system events are captured in an event log to be reviewed by an administrator at a later time.

### Web-based Administration

Drupal can be administered entirely using a web browser, making it possible to access it from around the world and requires no additional software to be installed on your computer.

### Database Independence

Drupal is built on top of a database abstraction layer that enables you to use Drupal with MySQL and PostgreSQL. Other SQL databases can be supported by writing a supporting database backend containing fourteen functions and creating a matching SQL database scheme.

### Discussion forums

Full discussion forum features are built into Drupal to create lively, dynamic community sites.

### Multi Platform

Drupal was designed from the start to be multi-platform. You can not only use it with Apache or Microsoft IIS but we also have Drupal running on Linux, BSD, Solaris, Windows, and Mac OS X platforms.

### Content Syndication

Drupal exports your site's content in RDF/RSS format for others to gather. This lets anyone with a News Aggregator browse your Drupal sites feeds.

### News Aggregator

Drupal has a powerful built-in News Aggregator for reading and blogging news from other sites. The News Aggregator caches articles to your

MySQL database and its caching time is user configurable.

### Permalinks

All content created in Drupal has a permanent link or "perma link" associated with it so people can link to it freely without fear of broken links.

### Blogger API support

The Blogger API allows your Drupal site to be updated by many different tools. This includes non-web browser based tools that provide a richer editing environment.

### Analysis, Tracking and Statistics

Drupal can print browser-based reports with information about referrals, content popularity and how visitors navigate your site.

### Logging and Reporting

All important activities and system events are captured in an event log to be reviewed by an administrator at a later time.

### Caching

The caching mechanism eliminates database queries increasing performance and reducing the server's load. Caching can be tuned in real time and many high-traffic sites have performed very well under load.

### Online help

A robust online help system built into the core engine.

### Technology

#### Web Server

Apache 2.x  
Microsoft IIS

#### PHP 5.2.x or above

#### Database Server

MySQL 4.1 or MySQL 5.0  
PostgreSQL 7.4 or higher.

