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Content Management System for

IEEE GUJARAT SECTION GRSS CHAPTER

Table of Contents for a SRS Document

1. Introduction

1.1. Purpose

The purpose of this document is to build a content management system where professional members of IEEE community can share material with other members.

1.2. Document Conventions

Used conventions are as follows:
CMS = Content Management System

1.3. Intended Audience and reading suggestions

This project is a prototype for implementing CMS and is restricted to college premises. This has been implemented under the guidance of college professor Dr. Suchit Purohit. This project is useful for founder members, professional members and students to share different materials, event information, publications and new letters.

1.4. Project scope

The purpose of this system is to share details of IEEE publications, new letters and share technical materials on different subjects to registered users. It is made to make convenient and easy access for student members. This system has used relational database for storing all information with user friendly interfaces.

1.5. References

https://www.ieee-grss-gujaratsection.org/

2. Overall Description

2.1.   Product perspective

Table 1 :user_details : to Store user details				
field_name	**type**	**description**	**length**	**index**
user_id	varchar	Auto-generated User ID to access details of user	10	Primary key
name	text	Name of user	30	not null
work_place	text	Currently working place	30	not null
designation	text	At which post user is working	10	not null
address	varchar	Residential Address of user	50	not null
profile_image	text	Image of user	30	not null
office_no	varchar	Contact no of user's office	13	not null
residence_no	varchar	Contact no of user's residence/personal no	13	not null
fax_no	varchar	FAX no of user	10	not null
email	varchar	email adress	320	not null
work_details	text	Work done till now	10	not null
role	char	Role of user(founder, professional, student)	1	not null
*Sign in with google/linkedin/facebook				

Table 2 :user_login_details : to store user login information				
field_name	**type**	**description**	**length**	**index**
login_id	varchar	Auto-generated id to login in the system	10	unique
password	varchar	password for varification of user(hash value)	16	can not be null
user_id	varchar	user id from user_details	10	Foreign key

Table 3 :subject_details : to store subjects				
field_name	**type**	**description**	**length**	**index**
subject_id	varchar	Auto-generated subject id	10	Primary key
subject_name	text	Subject name	30	unique

Table 4 :feedback_details : to store feedback details provided by users/visitors

field_name	type	description	length	index
name	varchar	Feedbacker's name	30	not null
email	varchar	Feedbacker's email	320	not null
contact_no	varchar	Feedbacker's contact_no	13	not null
message	varchar	Feedbacker's message	250	not null

Table 5 :technical_material : to store details of materials provided by professional members				
field_name	type	description	length	index
material_id	varchar	Auto-generated Material ID	10	Primary key
title	varchar	Title of content	50	unique
datetime	datetime	date and time of content uploaded		not null
file_name	text	file path on server	30	unique
content_link	varchar	link of youtube	100	unique
user_id	varchar		10	Foreign key

Table 6 :registration_details : to store registration details of community members				
field_name	type	description	length	index
reg_id	varchar	Auto-generated registration id	10	Primary key
reg_date	date	date of registration		not null
reg_amount	float	amount paid while registering	5,2	not null
user_id	varchar	user id of person	10	Foreign key

Table 7 :event_details : to store event details				
field_name	type	description	length	index
event_id	varchar	Auto-generated event id	10	Primary key
event_title	text	title of an event	30	not null
event_date	date	date of an event		not null
event_image	varchar	image of an event	30	not null
event_content	varchar	content file path of an event	30	not null
user_id	varchar	id of an user by whom event was handled	10	Foreign key

Table 8 :publications_details : to store publications details				
field_name	type	description	length	index

publication_id	varchar	Auto-generated id for publication	10	Primary key
pub_title	varchar	title of publication	20	unique
pub_date	date	date on which article published		not null
pub_link	varchar	link of document	30	unique

Table 9 :newsletter_details : to store newletter details				
field_name	**type**	**description**	**length**	**index**
news_id	varchar	Auto-generated newsletter id	10	Primary key
news_title	varchar	title of newsletter	20	unique
news_date	date	date of newsletter		not null
news_file	varchar	file path of newsletter	30	not null

Table 10 :contact_info_details : to fetch contact information of selected members				
field_name	**type**	**description**	**length**	**index**
user_id	varchar	ID of user	10	Foreign key

2.2.　　Product features

Student should be able to do following:
1) Sign up / Login
2) Registration
3) View Technical Material
4) View Event details
5) View Publications
6) View Newsletters

Professional Member should be able to do following:

1) Login / Sign up
2) Add or Update Technical Material

Foundation Member should be able to do following:
1) Login / Sign up
2) Add or Update Events, Publications and Newsletters

2.3.　　Operating environment

Operating system: Any with Web browser
Database: mysql
Platform: HTML, CSS, Java Script(Client Side)
　　　　　Spring Root / Servlet [Java] (Server Side)

3. System Features

3.1.   Functional requirements

Client/Server System
Centralized Database

4. External Interface Requirements

4.1.   Hardware interfaces

Server with Tomcat and Java support

5. Non-functional requirements

5.1.   Safety requirements

If any failure occurs, for recovery purposes there will be need of recovery methods and archived data. Regular backup is necessary.

5.2.   Security requirements