cQube Datastructure

Source

c3_mst_student_details

columns	data type	constraint	description	comments
student_id	bigint	pk	16 digit unique ID provided to each student	g-gender,ddmmyyyy- date of birth, xxxxxxx - sequence
school_student_id	bigint	pk	Unique ID for students provided by each school - varies from school to school	
school_id	bigint	fk	11 digit unique ID provided for each school	
student_first_name	varchar(30)		First name of the student	
student_middle_name	varchar(30)		Middle name of the student	
student_last_name	varchar(30)		Last name of the student	
student_father_name	varchar(50)		Student's father's name	
student_mother_name	varchar(50)		Student's mother's name	
student_guardian_name	varchar(50)		Student's guardian's name	
student_guardian_relationship	varchar(20)		The relationship with the guardian	
student_gender	smallint		Gender of the student defined as Male/Female/Others	
student_dob	date		Date of birth of student	
student_aadhar_number	bigint		Student's Aadhar ID number	
student_address_1	text		First line of Student's home address	
student_address_2	text		Additional line of Student's address	
student_area	varchar(50)		Student's residence's area name	
district_id	int	fk	Student's residence's district name	
city_id	int	fk	Student's residence's city id	
town_id	int	fk	Student's residence's town id	
region_id	int	fk	Student's residence's region id	
state_id	int	fk	Student's residence's state id	
student_zipcode	int		Student's residence's zip code	
student_primary_contact	bigint		Student's primary contact number	
student_secondary_contact	bigint		Student's secondary contact number	
student_primary_contact_email	varchar(50)		Student's primary contact email ID	
created_on	timestamp with time zone		Timestamp at which the data column has been created	
updated_on	timestamp with time zone		Timestamp at which the data column has been updated	

c3_mst_teacher_details

columns	data type	constraint	description	comments
teacher_id	bigint	pk	15 digit unique ID for every teacher	g-gender,ddmmyyyy- date of birth, xxxxxx - sequence
school_id	bigint	fk	11 digit school id	
teacher_first_name	varchar(30)		First name of teacher	
teacher_middle_name	varchar(30)		Middle name of teacher	
teacher_last_name	varchar(30)		Last name of teacher	
teacher_father_name	varchar(30)		Teacher's father's name	
teacher_mother_name	varchar(30)		Teacher's mother's name	
teacher_guardian_name	varchar(50)		Teacher's guardian's name	
teacher_guardian_relationship	varchar(30)		Relationship with the guardian	
teacher_gender	smallint		Gender of teacher defined as Male/Female/Other	
teacher_dob	date		Date of birth of teacher	
teacher_experience	int		Years of experience of teacher	
teacher_aadhar_number	bigint		Teacher's Government Aadhar ID number	
teacher_address_1	text		First line of teacher's home address	
teacher_address_2	text		Additional line of teacher's address	
teacher_area	varchar(50)		Teacher's residence's area name	
district_id	int	fk	Teacher's residence's district id	
city_id	int	fk	Teacher's residence's city id	
town_id	int	fk	Teacher's residence's town id	
state_id	int	fk	Teacher's residence's state id	
teacher_zipcode	int		Teacher's residence's zip code	
teacher_primary_contact	bigint		Primary contact number of the teacher	
teacher_secondary_contact	bigint		Secondary contact number of the teacher	
teacher_primary_contact_email	varchar(50)		Primary email ID of the teacher	
created_on	timestamp with time zone		Timestamp of when the row was created	
updated_on	timestamp with time zone		Timestamp of when the row was updated last	

c3_mst_school_details

columns	data type	constraint	description	comments
school_id	bigint	pk	11 digit unique ID for every school	
school_name	varchar(100)		Name of the school	
school_established_date	date		Date on which the school was established	
category_id	int	fk	Category of the school	
board_id	int	fk	Identification number of the board	
school_lowest_class	int		The lowest class/standard available in the school	
school_highest_class	int		Highest class/standard available in the school	
school_address_1	text		First line of School's address	
school_address_2	text		Additional line of School's address	
school_area	varchar(50)		Area in which the school is located	
state_id	int	fk	State in which the school is located	
district_id	int	fk	District in which the school is located	
region_id	int	fk	Region in which the school is located	
village_id	int	fk	Village in which the school is located	
school_zipcode	int		Zipcode in which the school is located	
school_primary_contact	bigint		Primary contact number of the school	
school_secondary_contact	bigint		Secondary contact number of the school	
school_email_contact	varchar(50)		Official email ID of the school	
created_on	timestamp with time zone		Row created on timestamp	
updated_on	timestamp with time zone		Row updated on timestamp	

c3_mst_school_category

columns	data type	constraint	description	comments
school_category_id	int	pk	Unique ID for every school category	
school_category_name	varchar(30)		Name of school category like Government, Private, etc	
created_on	timestamp with time zone		Row created on timestamp	
updated_on	timestamp with time zone		Row updated on timestamp	

c3_cr_teacher_school_subject

columns	data type	constraint	description	comments
teacher_id	bigint	fk	Unique ID defined for every teacher	
school_id	bigint	fk	Unique ID of school in which the teacher is enrolled	
subject_id	int	fk	Unique ID for the subject the teacher instructs	
subject_category_id	bigint	fk	Unique ID for category of the subject	

c3_cr_teacher_qualification

columns	data type	constraint	description	comments
teacher_id	bigint	fk	Unique ID for every teacher	
qualification_id	int	fk	Qualification ID to depict the qualification of teacher	
institute_id	int	fk	Unique ID for the University in which the teacher got their degree	

c3_mst_teacher_qualification

columns	data type	constraint	description	comments
qualification_id	int	pk	Unique ID for every qualification	
qualification_name	varchar(30)		Name of qualification	
board_id	int	fk	Unique ID for the board	
created_on	timestamp with time zone		Row created on timestamp	
updated_on	timestamp with time zone		Row updated on timestamp	

c3_mst_teacher_institute

columns	data type	constraint	description	comments
institute_id	int	pk	Unique ID for institute	
institute_name	varchar(100)		Name of the Institute	
state_id	int	fk	State in which institute is present	
village_id	int	fk	Village in which institute is present	
district_id	int	fk	District in which the institute is present	
region_id	int	fk	Region in which institute is present	
institute_zipcode	int		Zipcode in which institute is present	
created_on	timestamp with time zone		Row created on timestamp	
updated_on	timestamp with time zone		Row updated on timestamp	

c3_mst_district

columns	data type	constraint	description	comments
district_id	int	pk	Unique ID for each district	
district_name	varchar(50)		Name of the district	
district_code	varchar(50)		Code for the district	
region_id	int	fk	Unique ID for the region	
state_id	int	fk	Unique ID for the state	
created_on	timestamp with time zone		Row created on timestamp	
updated_on	timestamp with time zone		Row updated on timestamp	

c3_mst_subject_category

columns	data type	constraint	description	comments
category_id	int	pk	Unique ID for every subject category	
category_type	varchar(50)		Name of the subject category	
created_on	timestamp with time zone		Row created on timestamp	
updated_on	timestamp with time zone		Row updated on timestamp	

c3_mst_cluster

columns	data type	constraint	descriptions	comments
clusterId	int	pk	Unique ID for every cluster	
cluster_name	varchar(50)		Name of cluster	
block_id	int	fk	ID of block in which cluster is present	
district_id	int	fk	ID of district in which cluster is present	
state_id	int	fk	ID of state in which cluster is present	
region_id	int	fk	ID of region in which cluster is present	
created_on	timestamp with time zone		Row created on date	
updated_on	timestamp with time zone		Row updated on date	

c3_mst_block

columns	data type	constraint	descriptions	comments
block_id	int	pk	Unique ID for every block	
block_name	varchar(50)		Name of the block	
region_id	int	fk	ID of the region in which the block is present	
district_id	int	fk	ID of the district in which the block is present	
state_id	int	fk	ID of the state in which the block is present	
created_on	timestamp with time zone		Row created on timestamp	
updated_on	timestamp with time zone		Row updated on timestamp	

c3_mst_village

columns	data type	constraint	descriptions	comments
village_id	int	pk	Unique ID for every village	
village_name	varchar(50)		Name of village	
state_id	int	fk	ID of state in which village is present	
region_id	int	fk	ID of region in which village is present	
district_id	int	fk	ID of district in which village is present	
clusterId	int	fk	ID of cluster in which village is present	
block_id	int	fk	ID of block in which village is present	
created_on	timestamp with time zone		Row created on timestamp	
updated_on	timestamp with time zone		row updated on timestamp	

c3_mst_region

columns	data type	constraint	descriptions	comments
region_id	int	pk	Unique ID for every region	
region_name	varchar(50)		Name of region	
state_id	int	fk	ID of state in which region is present	
created_on	timestamp with time zone		Row created on timestamp	
updated_on	timestamp with time zone		row updated on timestamp	

c3_mst_state

columns	data type	constraint	descriptions	comments
state_id	int	pk	Unique ID for every state	
state_name	varchar(50)		Name of state	
state_code	int		Code of state	
created_on	timestamp with time zone		Row created on timestamp	
updated_on	timestamp with time zone		row updated on timestamp	

c3_mst_town

columns	data type	constraint	descriptions	comments
town_id	int	pk	Unique ID for every town	
town_name	varchar(50)		Name of town	
state_id	int	fk	ID of state in which town is present	
district_id	int	fk	ID of district in which town is present	
region_id	int	fk	ID of region in which town is present	
clusterId	int	fk	ID of cluster in which town is present	
block_id	int	fk	ID of block in which town is present	
created_on	timestamp with time zone		Row created on timestamp	
updated_on	timestamp with time zone		row updated on timestamp	

c3_mst_assessment

columns	data type	constraint	descriptions	comments
assessment_id	int	pk	Unique ID for every assessment	
assessment_name	varchar(50)		Name of assessment	
assessment_type	varchar(50)		Type of assessment	
created_on	timestamp with time zone		Row created on timestamp	
updated_on	timestamp with time zone		row updated on timestamp	
board_id	int	fk		

c3_student_attendance

columns	datatype	constraint	description	comments
serial_id	bigint	pk	serial number	
school_id	bigint	fk	11 digit number	xx-state_id,xx-district_id,xx-blocks,xxx-village,xx-school_id
student_id	bigint	fk	16 digit number (gddmmyyyyxxxxxxx)	g-gender,ddmmyyyy-date of birth,xxxxxxx- sequence
school_student_id	bigint	fk	student's id in the school	
academic_year	date		academic year	
gender	smallint			
month	smallint		month of attendance	
day_1	smallint		days	
day_2	smallint		days	
day_3	smallint		days	
day_4	smallint		days	
day_5	smallint		days	
day_6	smallint		days	
day_7	smallint		days	
day_8	smallint		days	
day_9	smallint		days	
day_10	smallint		days	
day_11	smallint		days	
day_12	smallint		days	
day_13	smallint		days	
day_14	smallint		days	

day_15	smallint	days	
day_16	smallint	days	
day_17	smallint	days	
day_18	smallint	days	
day_19	smallint	days	
day_20	smallint	days	
day_21	smallint	days	
day_22	smallint	days	
day_23	smallint	days	
day_24	smallint	days	
day_25	smallint	days	
day_26	smallint	days	
day_27	smallint	days	
day_28	smallint	days	
day_29	smallint	days	
day_30	smallint	days	
day_31	smallint	days	
created_on	timestamp with time zone	created date	
updated_on	timestamp with time zone	updated date	

c3_teacher_attendance

columns	datatype	constraint	description	comments
serial_id	bigint	pk	serial number	
teacher_id	bigint	fk	15 digit number(gddmmyyyyxxxxxx)	g- gender, ddmmyyyy - date of birth, xxxxxx – sequence
school_id	bigint	fk	11 digit number	
academic_year	int		academic year	
gender	smallint			
month	smallint		month of attendance	
day_1	smallint		Days	
day_2	smallint		Days	
day_3	smallint		Days	
day_4	smallint		Days	
day_5	smallint		Days	
day_6	smallint		Days	
day_7	smallint		Days	
day_8	smallint		Days	
day_9	smallint		Days	
day_10	smallint		Days	
day_11	smallint		Days	
day_12	smallint		Days	
day_13	smallint		Days	
day_14	smallint		Days	

day_15	smallint	Days	
day_16	smallint	Days	
day_17	smallint	Days	
day_18	smallint	Days	
day_19	smallint	Days	
day_20	smallint	Days	
day_21	smallint	Days	
day_22	smallint	Days	
day_23	smallint	Days	
day_24	smallint	Days	
day_25	smallint	Days	
day_26	smallint	Days	
day_27	smallint	Days	
day_28	smallint	Days	
day_29	smallint	Days	
day_30	smallint	Days	
day_31	smallint	Days	
created_on	timestamp with time zone	created date	
updated_on	timestamp with time zone	updated date	

c3_student_assessment

columns	datatype	constraint	description	comments
serial_id	bigint	pk	serial number	
assessment_id	bigint	fk	examination id	
academic_year	int		academic year	
student_class	smallint		exam for which standard	
school_id	bigint	fk	8 digit number	
student_school_id	bigint	fk	student's id in the school	
student_id	bigint	fk	16 digit number (gddmmyyyyxxxxxxx)	g-gender,ddmmyyyy-date of birth,xxxxxxx- sequence
gender	smallint			
assessment_date	int		examination timestamp with time zone	
subject_id	int	fk	subject identification number	
total_marks	int		total marks for the subject	
marks_scored	int		marks scored	
created_on	timestamp with time zone		created date	
updated_on	timestamp with time zone		updated date	

c3_mst_board

columns	datatype	constraint	description	comments
board_id	int	pk	Unique ID for board	
board_code	varchar(30)		Code of board	
board_name	varchar(100)		Name of board	
created_on	timestamp with time zone		created date	
updated_on	timestamp with time zone		updated date	

c3_mst_subjects

columns	data type	constraint	description	comments
subject_id	int	pk	subject number	
subject_code	varchar(30)		code of the subject	
board_id	int	fk	syllabus identification number	
subject_class	int		class of the student	
subject_name	varchar(30)		name of the subject	
academic_year	int		academic year	
created_on	timestamp with time zone		created date	
updated_on	timestamp with time zone		updated date	

Destination

c3_trf_student_attendance

columns	datatype	constraint	description	comments
serial_id	bigint	pk	serial number	
school_id	bigint	fk	11 digit number	xx-state_id,xx-district_id,xx-blocks,xxx-village,xx-school_id
student_id	bigint	fk	16 digit number (gddmmy	g-gender,ddmmyyyy-date of birth,xxxxxxx- sequence
student_school_id	bigint	fk	student's id in the school	
gender	smallint			
academic_year	date		academic year	
month	smallint		month of attendance	
day_month	smallint		days in a month	
created_on	timestamp with time zone		created date	
updated_on	timestamp with time zone		updated date	

c3_trf_teacher_attendance

columns	datatype	constraint	description	comments
serial_id	bigint	pk	serial number	
school_id	bigint	fk	11 digit number	xx-state_id,xx-district_id,xx-blocks,xxx-village,xx-school_id
teacher_id	bigint	fk	student's id in the school	
gender	smallint			
academic_year	date	fk	academic year	
month	smallint		month of attendance	
day_month	smallint		days	
created_on	timestamp with time zone		created date	
updated_on	timestamp with time zone		updated date	

c3_agg_column_chart

columns	datatype	constraint	description	comments
batch_id	int			
chart_id	int		chart identification number	
chart_name	varchar(100)		name of the chart	
x_axis	varchar(20)		first axis name	
x_value	varchar(20)		first axis value	
y_axis	varchar(20)		second axis name	
y_value	varchar(20)		second axis value	
z_axis	varchar(20)		third axis name	
z_value	varchar(20)		third axis value	
created_on	timestamp with time zone		chart created time	
updated_on	timestamp with time zone		chart updated time	

c3_agg_attributes_chart

columns	datatype	constraint	description	comments
batch_id				
chart_id	int		chart identification number	
chart_name	varchar(100)		name of the chart	
attribute_name	varchar(50)		name of the attribute	
attribute_value	varchar(50)		value of the attribute	
created_on	timestamp with time zone		chart created time	
updated_on	timestamp with time zone		chart updated time	