DW Minor Project Report

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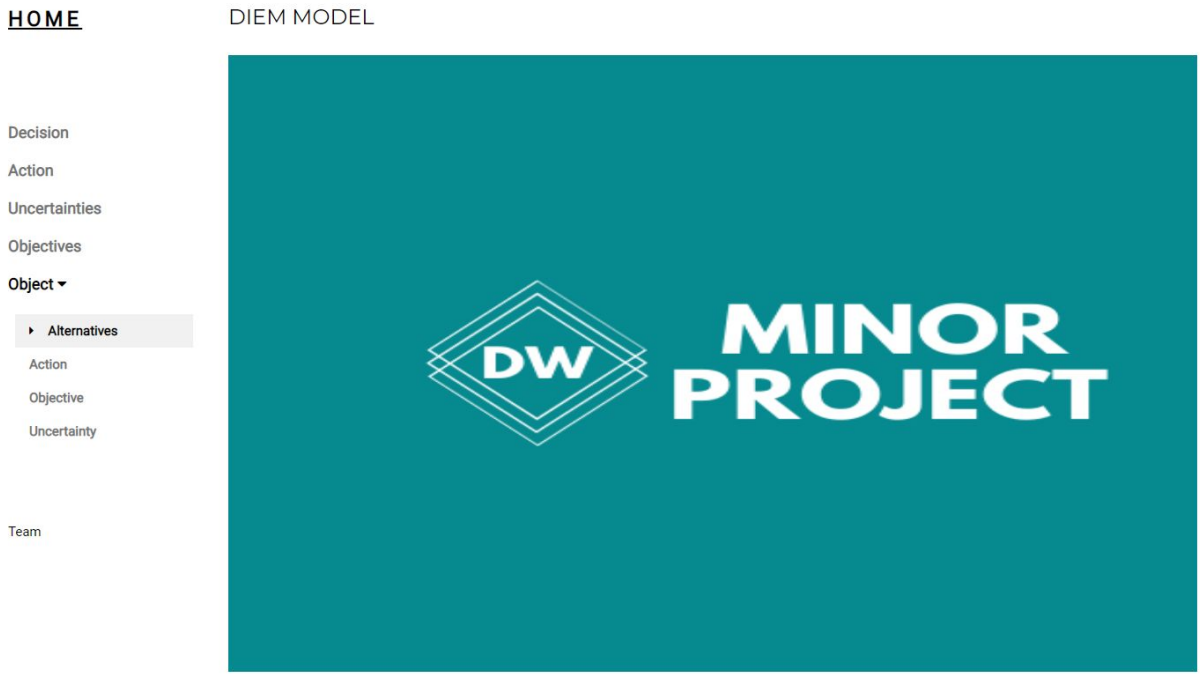
Project Title: What educational institute will you select to do your B.Tech.

1. **Home page**
   The home page consists of all the nodes corresponding to a DIEM model.

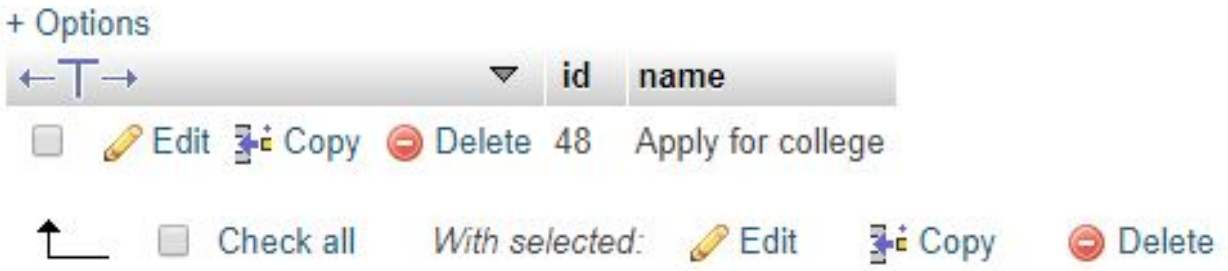


2. **Decision Page:** In this page user has to make a decision

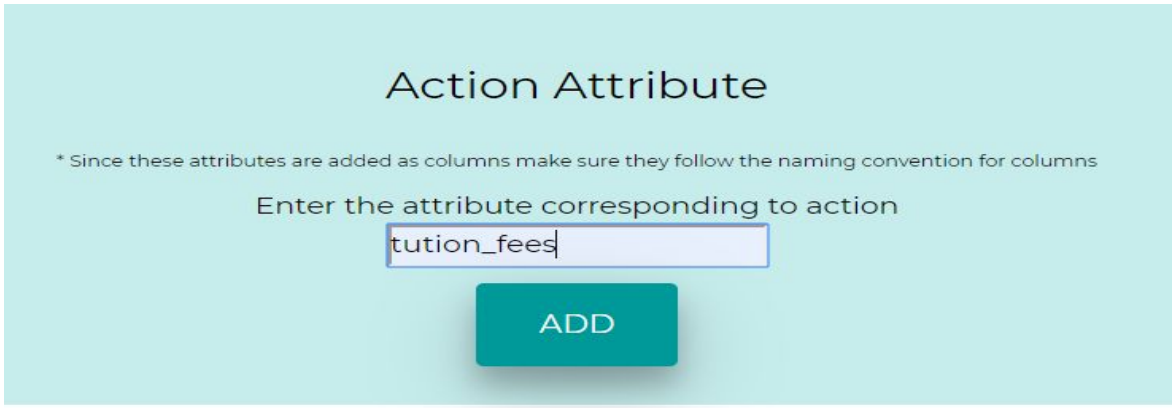
A table named decision is created with two fields id and decision name respectively.

2. Action page: In this page, the user enters the action corresponding to the decision. In our project the action is "apply for college".

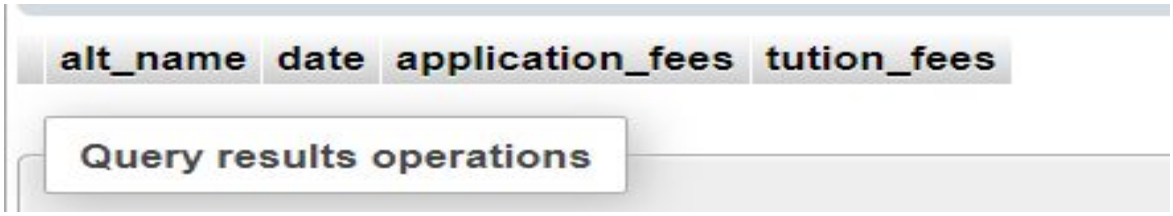
A table has been created for action which contains action id and action name.



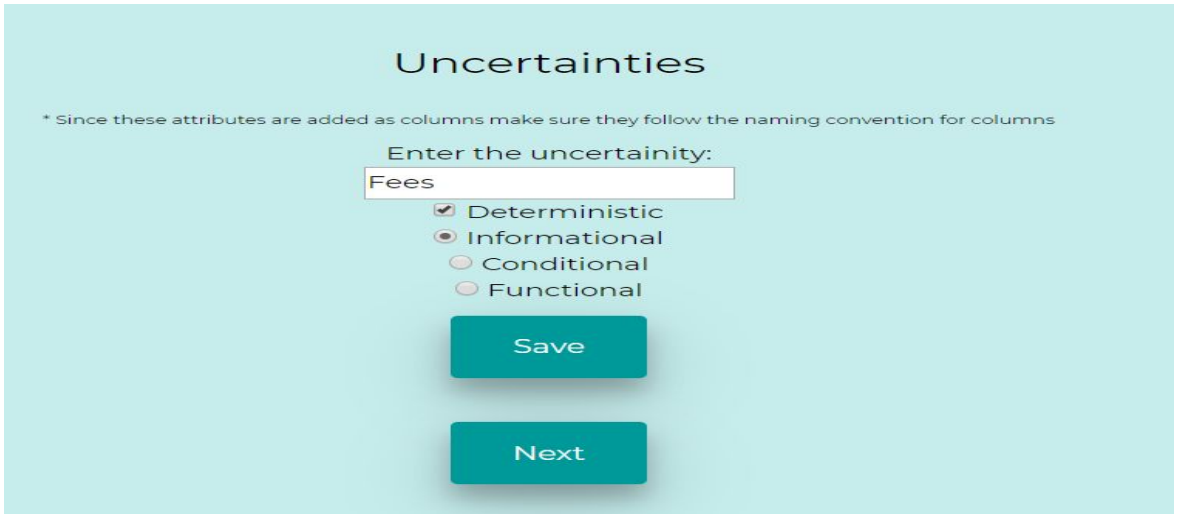
3. **Action Attribute page:** After clicking on the next button in the action page, the user enters the **action attribute** page where the user enters all the attributes corresponding to the action.

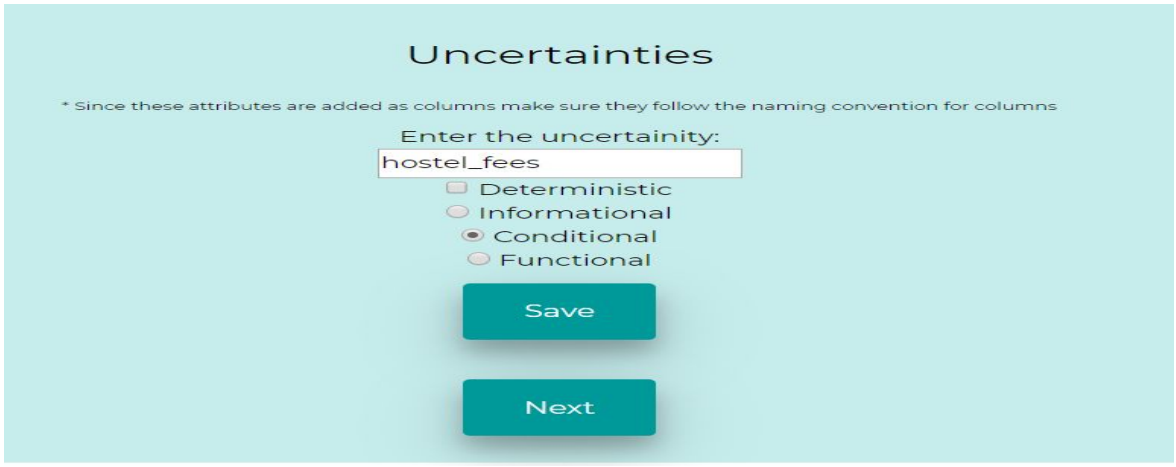


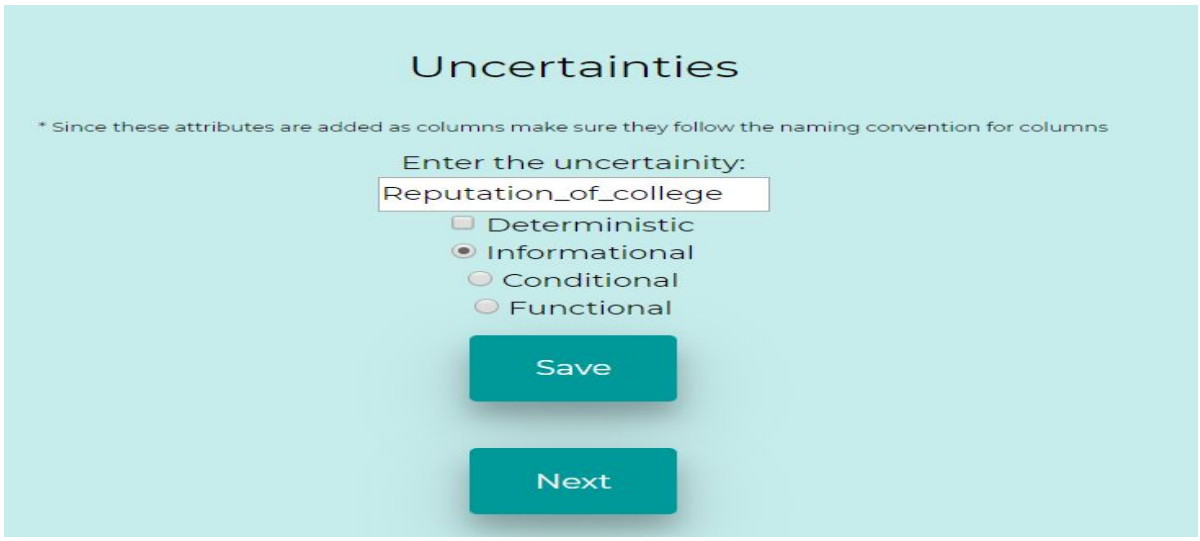
A table named institue_attribute is created which contains alternative names and all the attributes of the action as columns.

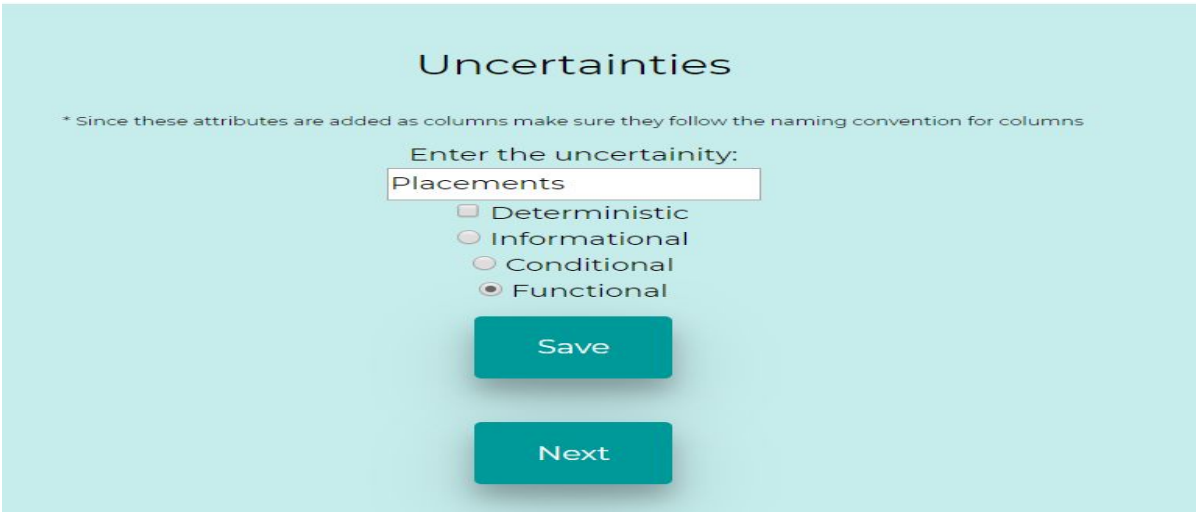


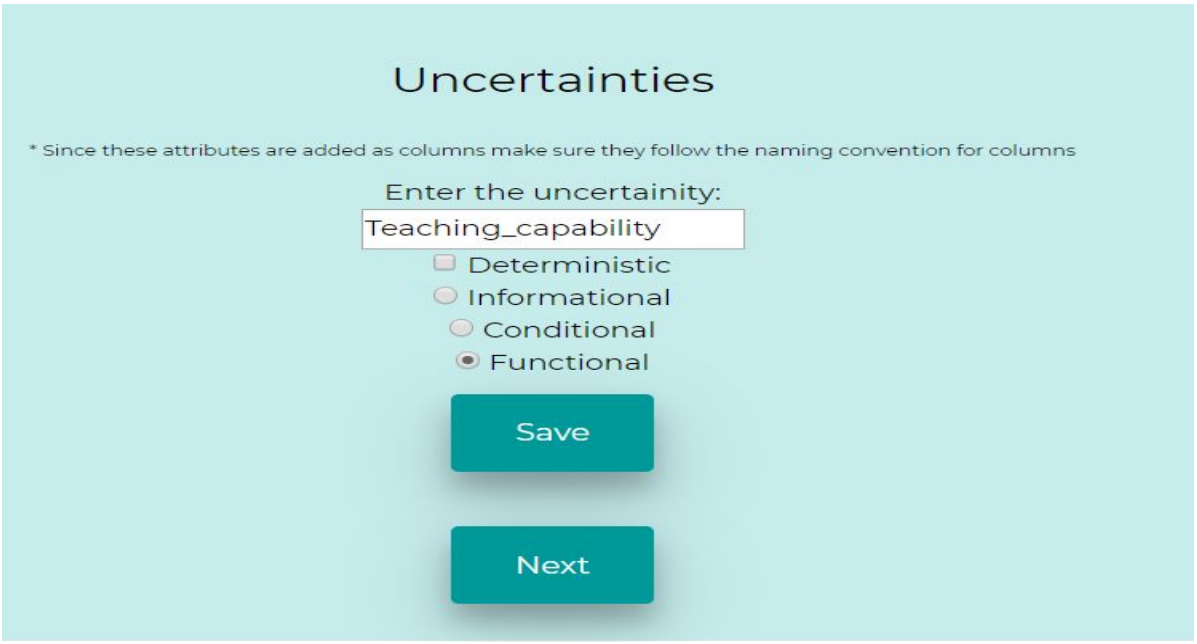
4. **Uncertainty Page:** Here the user enters uncertainties. A check box is given to select whether the uncertainty is deterministic or not. Three radio buttons are provided to choose between functional, informational and conditional uncertainty.




Uncertainties
* Since these attributes are added as columns make sure they follow the naming convention for columns
Enter the uncertainity:
hostel_fees
Deterministic
Informational
Conditional
Functional
Save
Next


Uncertainties
* Since these attributes are added as columns make sure they follow the naming convention for columns
Enter the uncertainity:
Reputation_of_college
Deterministic
Informational
Conditional
Functional
Save
Next





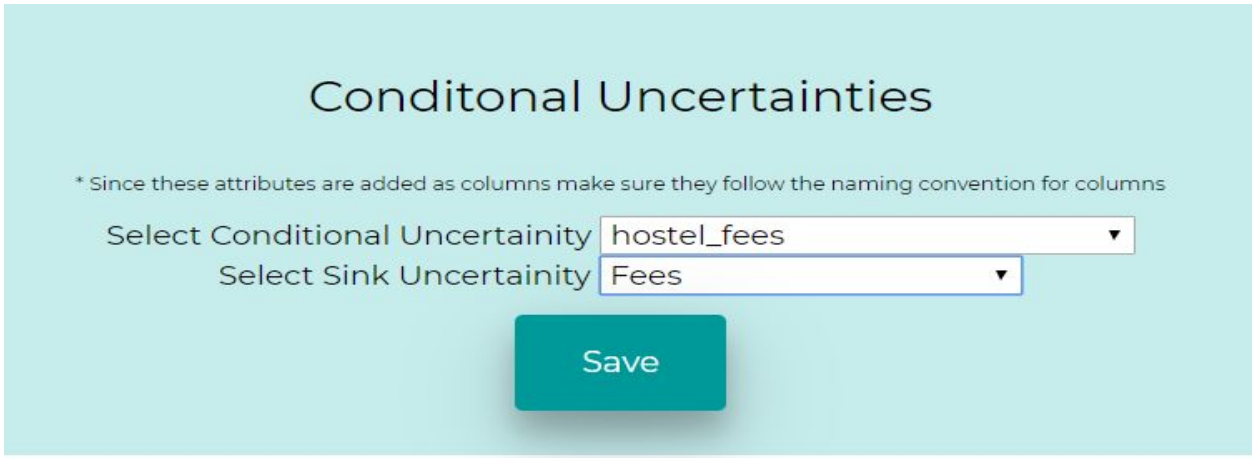
A table named uncertainty is created which contains alternative name, uncertainty name, type of edge and type of uncertainty.

+ Options

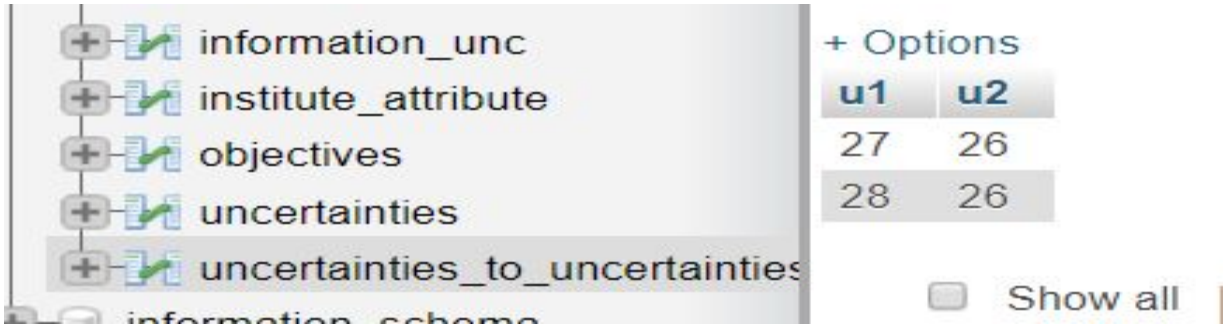
	id	name	type	edge_type
Edit Copy Delete	26	Fees	Deterministic	informational
Edit Copy Delete	27	security_fees	Non_deterministic	conditional
Edit Copy Delete	28	hostel_fees	Non_deterministic	conditional
Edit Copy Delete	29	Reputation_of_college	Non_deterministic	informational
Edit Copy Delete	30	Placements	Non_deterministic	functional
Edit Copy Delete	31	Teaching_capability	Non_deterministic	functional

Check all *With selected:* Edit Copy Delete Export

If a user enters conditional uncertainty then our system allows the user to enter the source and sink uncertainty. For example if **Fees** consists of **hostel_fees and security_fees.** So our system allows the user to save such uncertainties also.



A table named uncertainty_to_uncertainty is created which contains the uncertainty ids of source and sink uncertainty.



5. **Objectives Page:** Here the user enters the objective which consists of imperative verb + noun pair.

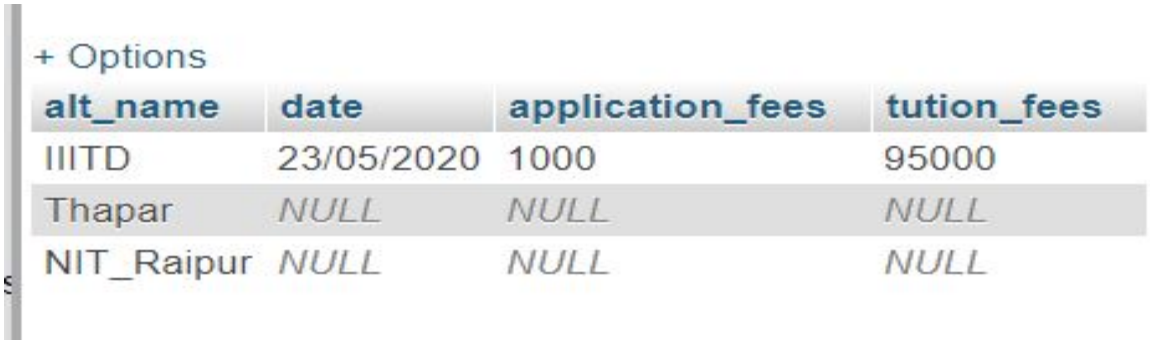
A table named objective is created which contains objective id and objective name.

6. **Alternative Page:** Here the user enters different alternatives for which decision has to be taken.

A table named alternative has been created which contains alternative id and alternative name.

7. **Action_object:** The user enters the value for the actions.

A table called institute_attribute has been created which contains all the values for a particular alternative.



+ Options

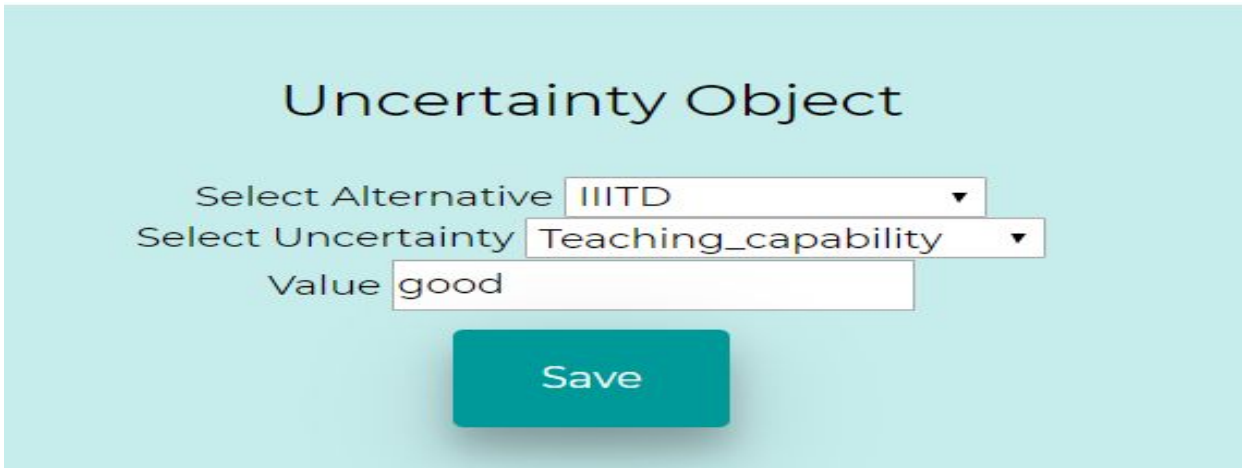
alt_name	date	application_fees	tution_fees
IIITD	23/05/2020	1000	95000
Thapar	*NULL*	*NULL*	*NULL*
NIT_Raipur	*NULL*	*NULL*	*NULL*

8. **Objective Object:** The user enters the value for the objectives.

A table called alt_objectives has been created which contains all the values for a particular alternative.

alt_name	Minimize_Cost	Maximize_Safety
Thapar	*NULL*	*NULL*
NITRR	*NULL*	*NULL*
hufhf	*NULL*	*NULL*
IIITD	keep_upto_80000	safe_environment

9. **Uncertainty_object:** The user enters the value for the uncertainties.



A table called alt_uncertainties has been created which contains all the values for a particular alternative.

alt_name	Teaching_capability	Placements	Reputation_of_college
Thapar	*NULL*	*NULL*	*NULL*
NITRR	*NULL*	*NULL*	*NULL*
hufhf	*NULL*	*NULL*	*NULL*
IIITD	good	Very_good	good