ONLINE APPLICATION FORM FOR STUDENT PROJECT PROGRAM (SPP)

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INTRODUCTION:

The Student Project Program (SPP) of the K.S.C.S.T (Karnataka State Council for Science and Technology) receive the proposals for projects from all over Karnataka, and the proposals are received in the form of hard copy and they are evaluated manually by the personnel at the SPP center. This process is very laborious and time consuming. This project is designed to meet the requirements of KSCST Student Project Program (SPP) for managing the data submitted by the students through online application form. Our project is basically an integration of three modules i.e. Front-end, which provides a Graphical User Interface through interactive and responsive web forms by which students can apply for SPP; Backend, which will manage all the data submitted by a student through online application form.

Overall services provided by integration of these modules will ease and speed up the method of evaluation of application forms for SPP officials. As they now only have to login into their accounts and extract the information just by clicking a button, at present for which they go through thousands of applications forms and manually enter the data to their computers. The officials can also be able to see the statistics in terms of total number of application submitted in a day or a week or a month

OBJECTIVE:

1. To implement online proposal forms for the students to access, fill and submit them through the K.S.C.S.T website.

2. To implement a module that provides the administrators to view the proposals obtained and functions to filter and sort them based on the subject of interest accordingly so that they can be accessed by the subject Experts ,who evaluate them.

3. To implement a module for the subject experts such that they can view the proposals pertaining to their subject-matter and evaluate them accordingly.

4. To implement a module for users (Administrator and subject experts) to register with the system, so that they can carry out the authorized functions.

METHODOLOGY:

1. This proposal gives the front end design for the Student project proposal which includes the various modules mentioned in the objectives. The front end provides a
Graphical User Interface through interactive and responsive web pages using technologies like HTML5, bootstrap and, jQuery or angularJS.

2. One of the prime users of the system are the students who submit their project proposals through the web forms.

3. The students need to fill the web forms which contain various fields like name of the college, place, project-title, department, Thrust area, Names of the project guides, the team members and the leader.

4. The module also provides the fields for entering the dates of commencement and finish of the project, Objectives and methodology, Expected outcome and the Budget of the project.

5. The details entered in the fields are checked for consistency and the students are made to change their input if the data entered is not consistent with the required format.

6. The administrators are provided with the interface which allows them to view the proposals received, number of proposals received per unit time (hour/day/week/..)

7. The administrator is provided with the functionality to filter the projects according to their thrust-area and sort them accordingly.

8. The subject experts are provided with the interface which displays the project proposals that are pertaining to the subject matters that they are concerned with.

9. The subject experts are provided an interface to evaluate the proposal, through which they can provide their opinions and the approval/disapproval of the project.

10. A registration page that registers the administrator and the subject experts, so that they are allowed to do the above functions by logging in using their credentials.

11. The font end maintains a robust connection with the database to take care of the data transfer and retrieval operations.

CONCLUSION:

The proposed work would have extensive applications in Data Management that has to be done by KSCST officials. The student can now be able to fill the application form online from any remote location.

FUTURE WORK:

This project provides the wide scope for enhancing the automation of application management process through online portal. As new plug-in’s or any update get introduced in the web technology, they can easily be embedded with our flexible automated system and can provide better automated services to both students and SPP officials.