

Invention Disclosure Form

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NLO FILE NO.

INSTRUCTIONS: Fill each blank with the requested information or enter "NONE" as appropriate. Where space on the form is inadequate, enter "see attached page" and use plain pages as needed. When completely executed, this form becomes an important legal document useful in proving priority of invention. After completing, hand over in person to: **IPR Cell, GEHU**. You may also email at **ip@gehu.ac.in**. If you have any questions, feel free to contact us.

PART I. BASIC INFORMATION

1a. DESCRIPTIVE INVENTION TITLE.

1b. INVENTOR(S)	Department and affiliation	Designation	Email-id
Mr. Deepankar Sharma		Student	deepankarsharma.20041299@gehu.ac.in
Ms. Sujata Negi Thakur		Assistant Professor	sujatanegi@gehu.ac.in
Mr. Manoj Kumar Singh		Assistant Professor	mthakur@gehu.ac.in

1c. OWNER. Do the above inventor(s) own the patent rights to this invention (check one)? ☐ Yes ☐ No If you answered "No," please identify the owner of the invention below including the state/country of organization for the company along with the company's mailing address.

1d. PRIOR USE, SALE OR PUBLICATION. Identify any past use, sale, display or publication of the invention (include dates).

1e. RELATED PATENTS OR APPLICATIONS. List any related patents or patent applications of yours.

PART II. DISCLOSURE OF INVENTION

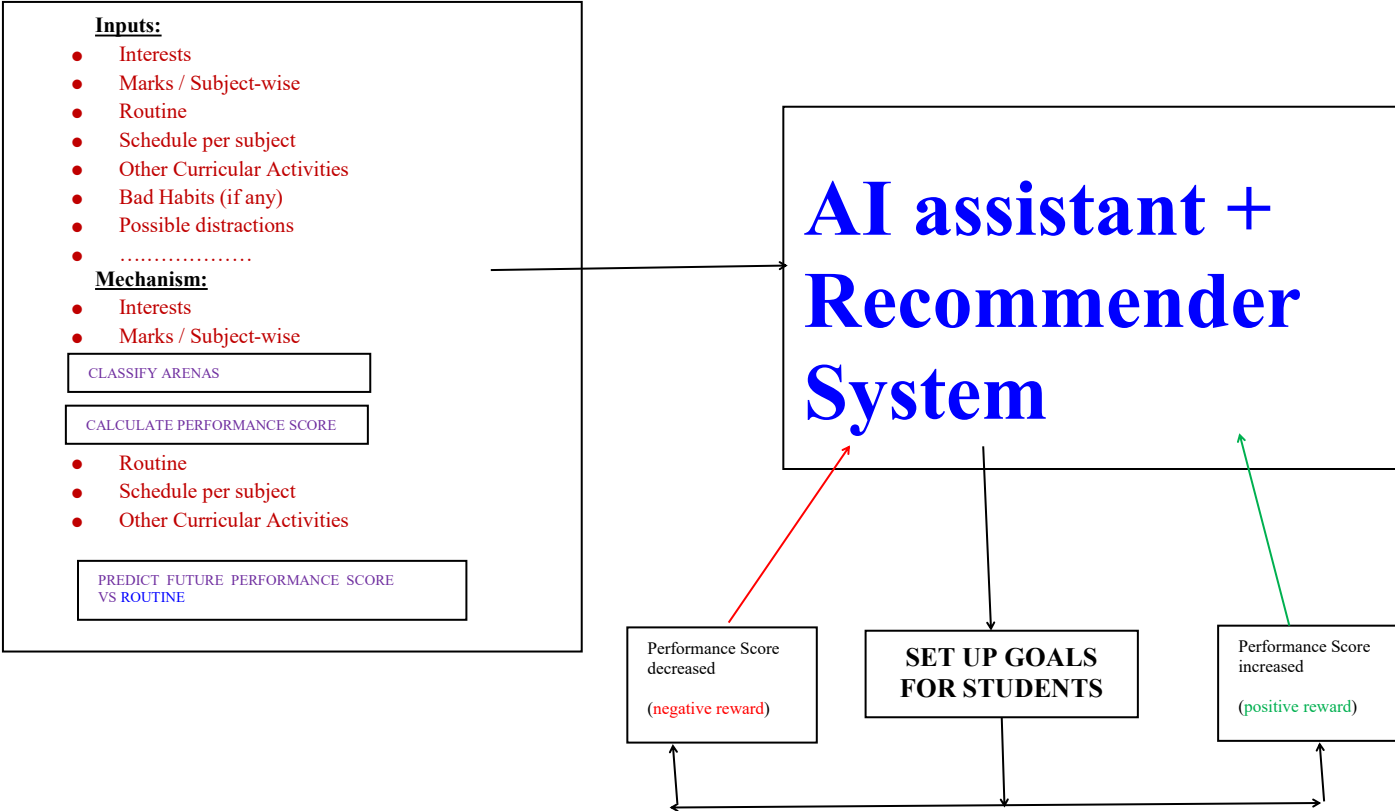
2a. PURPOSE. State the purpose of the invention.

Having too many options also makes you misguided sometimes. The students these days face similar problem regarding their career paths and setting up their goals. The life of students is tough, there's always some constant pressure from many dimensions like peer, family, teachers, etc. And the individuals start to loose clarity in their interests, arenas and eventually this leads to misguided goals. We can't imagine the exposure of information a student gets these days, and having that much information works as a distraction most of the times.

2b. PRIOR EXISTING TECHNOLOGY. Describe the previous old methods, materials or apparatus used by others to perform the purpose of the invention and give their limitations/disadvantages.

Students used to go to some guidance counsellor or consult someone who seems to be trustworthy. But humans are always preoccupied and limited in the knowledge. We all know minds of students in younger age is constantly changing, lots of stuff goes in there. One second they are interested in being doctor and the next second the would want to be an engineer. So it's hard to process and describe all of it to one counsellor concisely within one hour in a week. .

2c. PHYSICAL STRUCTURE. Describe the physical structure of your invention (if applicable). **Sketches, photos, or other illustrations should be attached to this form to fully illustrate your invention.** In the description of the physical structure, use reference characters to refer to components in attached illustrations.



2d. OPERATION/FUNCTION/USE. Give a detailed description of the invention's operation, function and use.

The idea is to develop an AI Assistant cum Recommendation System Application that will be serving as a self customized AI-Counsellor. The model would be made with advanced NLP so that Natural Conversation Interface would feel like very friendly environment to the users.

The Application would work on very simple algorithms like Regression, Classification , PCA , Recommendation Systems and Reinforcement Learning built on top of it. The input to the application would be lot of input features like: Interests, Subject-wise scores, Routine, Schedule per subject, social media usage , extra curricular activities etc.

Now applying PCA over this data would help to classify “Arena/Domain” interests of the user as well as calculate a numeric performance score of the user. A simple regression model would help to predict the future performance score on basis of a routine. Further more the application will help students to come up with a better time schedule , let them identify their strong domains and recommend them which areas they need to work on. Also the application will set up frequent goals for the students to provide them better guidance.

Now the application will be smart enough to customize itself according to student's progress as if achieving certain goals leads to increase in performance score of student , it'll yield a positive reward for the AI-assistant, otherwise negative.

2e. ALTERNATIVES. Indicate any alternative methods, materials, or apparatus of the invention.

This application would be cost effective because of very simple algorithms involved, furthermore we can use Cloud as a Service.

2f. NEW FEATURES. Identify the features of the invention believed to be new.

This application is supposed to be one of it's kind , because it will be customized to the students(user) using it. This application will provide all effective tools at one place that will help students to properly make efficient goal planning based on their particular interests and arenas.

2g. ADVANTAGES. State the advantages of the invention over the Prior Existing Technology described in paragraph 2b.

But being human , a person is always guided by his emotion and gut-instinct. But the story being told by data is very honest. This application exploits the power of data to make data driven decision making and identify the best possible actions to maximize the effective goal planning for students.

PART III. PERSON SUBMITTING FORM

FULL NAME

SUBMISSION DATE

MAILING ADDRESS

BUSINESS TELEPHONE

E-MAIL ADDRESS

CELL PHONE