**(PROJECT PROPOSAL**

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**GROUP 3**

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The basic idea of the project is to create an applet on the "one.iu.edu" which will be accessible to every student of IU.

The initial set-up (data entry) will be done for each student by himself. He/she will be provided with a questionnaire which will ask them about their hobbies, interests, leanings, place of origin, cultural aspects, sports interest, etc. This can be supplemented by providing SOPs. All the information collected from this stage will be stored in databases and the students interested in that will be categorized and what they prefer will be stored.

Once the initial data entry is done, they will have various sub-options to choose from based upon what they need to know. These options will include stuff like airport protocols, ticket booking procedures and regulations, information about which places to visit for regional food, sports (cricket, shogi, mahjong, etc.) and many other things. There are some sports organizations and cultural associations like Chinese and Indian associations which can help.

Table 1 indicates the Information Systems planning information of the project.

Table 1. Information System Planning information

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| FUNCTIONS | INFORMATION SYSTEMS |
| * Providing categorized information * Initializing Personalized interface * Modifying database as per requirement * Providing a place of communication * Providing Personalized updates | * Saving personalized data * Performing data mining tasks on personalized data * Managing grouped bulletin board * Database management |

The students of IUB or the OIS can be considered as the prospective client and our team members will help users to identify their requests. The major problems for students we have assumed are as follows:

Table 2. Major Problems identified

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| ACADEMIC |
| 1.Language barrier (different phrases like check/cheque, passed out/graduated, bunk/ditching classes, head nods)  2.Students are not familiar with academic format (assignments don't have any points in India/ in here, it is more research oriented)  3.University/bureaucratic procedures (getting SSN, driving license, registering for courses, selecting courses and stuff)  4.Housing information (which places will be favorable)  5.What courses to take for specialization (e.g. network admin, developer, system admin) |
| SOCIO CULTURAL |
| 1.Feeling like an outsider (social alienation)  2.Cultural misunderstandings (strangers smiling at you, asking about your day)  3.Suppresed intrapersonal intelligence (out of touch with personal hobbies and extracurricular skills like art, music, sports, fashion)  4.No friends to begin with, later communication (finding fellow students with common interests/tastes)  5.Movie discussion and sports discussion groups  6.Problems with understanding healthcare system (insurance deals and stuff (ISO, Aetna) |
| EMOTIONAL |
| 1.Being far from support network (emotionally wrecked/home-sick)  2.FOMO (fear of missing out with the scenarios (political, social) back in your country)  3.Financial burden (help to find part time jobs/letting students know where to go apply)  4.The food crisis |

The tasks that we are able to identify at this level are as follows:

1. Question students about their problems and how did they overcome them(Survey).
2. Define the domain of the surveyed students. (sample population)
3. Interviewing the student organizations like ISA, CSA, etc. regarding what kind of help they can provide.
4. Research the available resources (specifically the resources already available through “One.iu.edu”).
5. Statistically analyzing the survey for implementation.
6. Develop the database of student information.
7. Design the user interface.

Table 3 depicts the future outcomes after successful implementation of the project.

Table 3. The future

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| AFTER CONDUCTING THE PROJECT |
| 1. Students will feel more connected.  2. All the information needed by students will be at a single place with interactive interface.  3. Students will get to know what IU can offer.  4. Students with peculiar interests won’t feel left out. |

The workflow can be summarized as below:

1. Survey regarding what problems a student faces when he comes to IU first time.
2. Account setup which includes data entry through SOP and questionnaire.
3. Performing data mining on SOPs to categorize students based in their hobbies, food preferences and place of origin.
4. Putting everyone on the newsletter groups of their respective interests.

After these tasks are done, the system will allow students to contact other students for personal help or some other academics related work.