**Abhigyan Abhikaushalam**

*…coalescence of knowledge and skills*

**Overnight Software Contest**

**Case Details:**

**A.) Cool Lyrics Player (Desktop Application):**

***Functional Requirements:***

* **Music Player**
* **Seek Bar and Drag Drop Play Support**
* **Dynamic Lyrics Panel**
* **Search Lyrics According to song being Played**

***Optional Features:***

* **Synchronization of Lyrics with audio/video**
* **Audio genre setting like rock, pop etc.**
* **Themes.**

**B.) Book Shelf(Web Application):**

**It is a book manager for users with details of books and their reviews and ratings by other users.**

***Functional Requirements:***

* **User Interface**
* **Users Ratings**
* **Users Reviews**
* **Categorization of books**

***Optional Features:***

* **Automatic Suggestions (Based on ratings and category)**
* **Recommendations to other users**
* **Scheduling for reading**

**C.) Link Extractor and HTML Validator(Web Application):**

**It is a preview generator of HTML page after validating that HTML link.**

***Functional Requirements:***

* **Validate an HTML page/link to be a valid HTML document.**
* **Extract data from link.**
* **Preview data from link.**

***Optional Features:***

* **Attractive User Interface**
* **Dynamic Preview**

**D.) Sudoku(Desktop Application) \* For IPG 1st Year**

***Functional Requirements:***

* **Puzzle Checker**
* **Generate Random Values**
* **User Interface**
* **Timer**

***Optional Features:***

* **Puzzle Solver**
* **Auto detection of wrong Entry**
* **Difficulty level**
* **Statistics of Player**

**E.) Picture Puzzle(Desktop Application)\* For IPG 1st Year:**

**It is a game where player has to re-arrange the picture.**

***Functional Requirements:***

* **User Interface**
* **Random Generation of Picture blocks**
* **Timer**
* **Difficulty level**

***Optional Features:***

* **Statistics of Player**
* **Saving Game**
* **Number of Steps**
* **Skip Attempted Puzzles**

***Submission Note:***

* **Submissions may be mailed to** [**aasf@iiitm.ac.in**](mailto:aasf@iiitm.ac.in) **or uploaded at personal profile with a mail of link to** [**aasf@iiitm.ac.in**](mailto:aasf@iiitm.ac.in)**.**
* **Team size : 3 for IPG-11, 2 for IPG-10 year, 1 for IPG-09 and higher.**
* **Submission Deadline: 11th April, 2012, 11:59 PM.**
* **Submissions above threshold quality would be certified.**

***Judging Criterion:***

* **Interface**
* **Features**
* **Optional Components**
* **Completeness/Analysis**
* **IPG Ist and IInd years would be preferred**
* **Time of submission would be used for tie breaking**

**Date: April  10th, 2012**

**Organizers**

**TEAM AASF**