From,

The Tech Ahoy Team,

Manipal Institute Of Technology

Karnataka – 576104

Date: 13/1/2012

To,

**Dr.Ramesha C**

Associate Director,

Student Welfare,

Manipal Institute Of Technology

Respected Sir,

We would like to start a venture (Tech Ahoy LABS) where we create unique softwares for distribution to the public. The software can range from a simple calculator to complex operating system. We have worked on a lot of projects before with high success rate and we would like to continue the same for the coming years. We have a lot of project ideas at hand (attached to the document) and we would like to implement them with the help of students at MIT after giving them proper training depending upon the area they will work on.

Our talents include working with languages and softwares like:

HTML, CSS, JAVASCRIPT, JQUERY, PHP, MySQL, C++, JAVA, Perl, Chrome Extensions, Photoshop, C Sharp, Windows Phone Application development etc.

So, we would like your permission to interview and recruit the students at MIT for this venture and also to provide one classroom every day at NLH or AB5 after the college hours so that we could sit together and work on the projects we have proposed after giving them proper training. Training will be given by professional developers we have in our team.

We confess that this venture does not involve any money and we would not require any financial assistance from the university or the college. We would just like to work together, pitch ideas and develop applications.

Yours faithfully,

VIGNESH,

Student, 2nd Year

Manipal Institute of Technology

**PROJECT IDEAS**

1. MAP, DISTANCE CALCULATOR & INFO CHECKER

Get distance from source to destination locate the places in the map and find distance between them, preferred mode of travel, websites providing info regarding tourism, places to visit at the destination, best cuisines in the destination, railway or flight or naval schedules, hotels to stay in, submit suggestion to add a place and info regarding it, weather status, terrain, photos, Wikipedia, get local time conversions, time required for travel, develop map also.  
If possible, develop a 3D globe with same info.

1. PASSWORD GENERATOR & HASHERS

Get all info from user like name, contact, etc. and generate a password which is secure and give it to user.

1. ENCODER, DECODER & HASHER

Get a text from user and hash them using various hashing techniques. It can be used to get a message from a friend securely.

1. IMAGE FORMAT CONVERTER, RESOLUTION, SIZE AND QUALITY CHANGER, CROPPER

Get an image from the user and convert into different formats, resolution, size and quality for user to download. Crop images if needed.

1. ONLINE VIDEO RECORDER AND BROADCASTER

Record video using flash or suitable softwares and give it to user. If user wants to send it to some person, send it. Set time to start the recording, time to stop. Can be interacted with mobile also. If public video, add to Tech Ahoy maps. Broadcast video if he/she needs it.

1. TEXT EDITOR FOR SIMPLE TEXT AND PROGRAMMING & IDE

Create a text editor to enter simple text or programming language that user selects and provides appropriate syntax highlighting. Add Compiling option after downloading plugins.

1. URL SHORTNER & SPAM REPORTER

Shorten the URL given by the user and generate a random small URL. If reported as SPAM by user, alert users before visiting.

1. ELEMENT DRAGGER, DROPPER & COLOR CHANGER (Chrome Extension)

Drag and drop elements of a page wherever needed or pick and change colours and store it in the PC to view websites in a customized way.

1. ONLINE ADVANCED VIDEO PLAYER

Play the uploaded video of the user or get video from other websites passed as parameter and play it with all controls like pause, stop, broadcast etc.

1. ONLINE SPEED TEST

Detect the user’s internet connection speed and suggest ways to improve it. Compare with global internet speeds. Draw graphs.

1. MAIL SCHEDULER

Get message and all info from the user and send mail to person he/she wants in the time they want. Add option of special events like birthday, anniversary, etc.

1. BIRTHDAY WISHER, FORTUNE PREDICTOR

Get the birthday info from user, make a calendar and wish the person automatically using customized messages got from the user. Send ecards, gifts online.

1. STUDY MATERIALS

Provide users with latest study materials available according to the stream they selected and add option of uploading study materials and also getting external & books links from various website. Suggest plan for future. Place to study, fees, quality of education and show it on Tech Ahoy maps.

1. ALARM CLOCK, COUNTDOWN TIMERS & STOP WATCH

Make an online alarm clock which will play an automated or user uploaded sound when time elapses and countdown timer till a particular day and stopwatch till the time is stopped.

1. CODE GETTER

Get or upload a valid source code for a particular problem statement and also display sample outputs, time of execution using Tech Ahoy’s ONLINE COMPILER.

1. ONLINE COMPILER & SYNTAX HIGHLIGHTER

Make an online compiler which will execute the code and display the result, time of execution and also give the exe files for download after being compiled. If successful, add it Tech Ahoy’s code getter.

1. ONLINE EXAM CREATOR AND ATTENDER

User creates exams online at this website and gives the link for the others to attend; statistics & marks recorded and displayed instantly, various quiz formats available.

1. ANONYMOUS COMMUNICATION

The aim of this project is to make a communication system where two or more people can communicate simultaneously and transmission of messages must be asynchronous. The identity of the people communicating must be anonymous and people can select any person available to communicate with. SPAM must be filtered and abusive or inappropriate words to be hidden. The information of the people communicating must never be stored on the server. Login is not required but people must be able to add themselves to a queue which will be processed. If a user does not get a partner to chat with, the website must be able to generate random partners for him/her. The communication must look like a chat. People must also be able to upload profile pictures or select profile pictures from the available profile pictures during the chat. Smiley support is to be enabled. External javascript plugins like tinymce can be used.

1. W3C Standards validator & Search Engine Optimization

The input given will be a website url and the validator must be able to get the source code of the respective website and check for the validity of the W3C standards (HTML & CSS). It must be able to display the errors and corrections to be applied to make the syntax valid. The website is also to be analysed and suggestions must be given for optimizing it and making it better for search engines to index it. Options can also be given for submitting the respective website to various search engines for crawling and indexing.

1. ONLINE BOOK/MAGAZINE CREATOR

The users must have a friendly GUI for them to make books or magazines online. They must be able to create, edit, save, publish and share it online using a random url generated. Formatting, drag and drop must be allowed. Templates must be made available for the users to use and they must also be able to create templates for their later use. The user must be able to upload images to the magazine or insert it using any link. The creator must be given a personalised space and the the magazine must not be visible in public unless the creator wants it to. The creator must be able to give access the way he/she wants.

Eg. The magazine can be made available in public or access can be granted to specific users who are filtered on the basis of their E-mail ids or any similar credentials.

**THE TEAM**

**FROM MIT**

* T.V.Vignesh

C.E.O & Founder

* Nissan Modi

Chief Creative Head

* Arun D Pai

Chief Publicity Head

* Rahul Kumar Sawhney

Chief Sponsorship Head

* Sourabh Prakash

Chief Monetary Officer

* Sahil Tandon

Chief Designer

* Parth

Chief Blogger & Head of Reviews

* Prakhar

Chief Blogger & Head of Social Networking

* Manish Devadiga

Chief Designer

* Amit Sengupta

Associate Designer

* Abhishek Jha

Head of Public Relations & Inter-College Relationships

* Anindya Dutta

Chief Logic Analyst

* Amit Ranjan

Chief Logic Analyst

**FROM OTHER COLLEGES**

* Ayush Choubey

Chief Programming & Security Head

* Shaumik

Chief SEO & Design Head

* Muralidharan

Chief Designer