

## **\*\*ABSTRACTS\*\***

(Category – PG)

### **Image Classification** **(based on object detection and color psychology)**

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#### **Introduction:-**

Increase in variety of images stored on a computer led to development of this project. The project detects the category of the picture (using object detection), identifies the mood (based on human color psychology) and the plays the relevant play-list .The image content filtering and the image color balancing makes it beneficial for automatic detection of category and mood of a picture.

The model can approximately capture the different range of screen coloration in individual pictures to detect its category and mood, due to variations of lighting conditions, camera hardware settings the results of some images may not be what expected.

Results of extensive experiments performed on large image databases have demonstrated the effectiveness and benefits of the proposed model.

Keywords: Artificial Intelligence, Object Detection, Image Processing

## **NEHA'S INVENTORY SYSTEM**

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#### **Introduction:-**

In my system user i.e. the business people can directly maintain their daily transaction hassle free and can also obtain the stock left.It is the complete software which handles all the business work load.Its interface is user friendly as the people who are illiterate can also use is easily.

It includes,

**Item Master** – in it we can maintain the records of the products with its category, price, opening stock etc.

**Sales** – in it we can maintain the selling transactions.

**Sales return** – in it we maintain record of whatever goods which are returned to us by our customer as the product may have a defect or any other problem so it is to be maintained in sales return.

**Purchase** – in it we maintain record of whatever we purchase from supplier so it has to be maintained in purchase return.

**Purchase Return** – in it we maintain record of whatever goods we return back to the supplier as the product may be defected or any other problem so the transaction is to be maintained into this.

**Receipt** – in it we maintain all the receipts which are related with the sales i.e. whenever the customer makes the payment then it is necessary to maintain in this.

**Payment** – in it we maintain all the payments which are paid to the suppliers from the businessman as he/she may have purchased goods for which payment is to be made.

**Reports** – there are various reports which are listed as below:

**Balance list** – of debtors

**Balance list** – of creditors

**Sales register** – it contains details of the total sales so far or the sales between the specified periods.

**Sales Return Register** – it contains details of the total sales returns so far or the sales return done between the specified periods.

**Purchase Register** - it contains details of the total purchase made so far or the purchases between the specified periods.

**Purchase Return Register** - it contains details of the total purchase return made so far or the purchase return made between the specified periods.

**Item wise Sales** - it contains details of item wise sales done so far.

**Item wise Purchases** - it contains details of item wise purchases done so far.

**Stock** – it contains details of the total stock available so far and also particular product stock can be seen or by the category wise also.

## MATHMAST

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Introduction:-

**Aim:**

To provide easy application for several mathematical operations.

**Features:**

- User Friendly (Not to follow particular syntax.)
- Can be used in wide range of calculation areas as a guide.

**Contents:**

- A specializes Application to view graphical representation of all possible mathematical functions with user defend arbitrary constants.
- A stepwise solving for all quadratic equations.
- Application of Interpolation Methods including Newton's Interpolation Formula & Lagrange's Interpolation Formula.
- Full featured scientific calculator with Stepwise calculation.
- Definite Integration with graphical representation of area under curve.

## PiStop

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Introduction:-

'Software Policy' is the biggest threat for all the software companies all over the world. Software Companies are loosing more than 90% of their revenue due to software piracy. Some techniques are also made available to control the piracy to certain extent like 'hardware lock', 'web lock' etc. But these solutions are handicapped and economically not advisable. 'Pistop' has overcome all the limitations and 100% guarantees that the associated software will and can not be pirated at all.

## **PC IR Remote Control System**

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Introduction:-

This project is an implementation of remote reception on an 8051 microcontroller. The received code is decoded and sent to the PC IR remote software written in Visual Basic. The cursor position is moved according to the keys pressed. There are two modes of operation one is as mouse control and second is Windows media player control. More information on key control is given in the software's help section. So, you just take TV remote and operate your PC's application with the help of remote instead of using mouse. You may also operate Windows Media Player 9 series and Power point or at home PC.

You can use the same circuit for programming/burning microcontroller. There is no need to buy separate programmer and no need to remove and insert microcontroller again and again. This is more comfortable to use these circuits for both purposes. More information on key control is given in the software's help section.

## **SALES AND INVENTORY SYSTEMS**

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Introduction:-

The project based on 'Sales & Inventory System' with recorded of the system. This project is for Seller to provide better services to customers. Using this project a seller can manage records of different types of customers individually. He is given the facility to customize the interface of project and can also customize the details of items. This project also displays the current status of available stock. In this project all types of condition depending to selling and purchasing, stock maintenance, its views of sales department are presented.

The area of working of sales department is wide and recording of data are done on a greater scale. We have to produce an easy and user friendly project, which can reduce the work load and provides report maintenance far better than earlier.

## **Retail** **Makes Your Business Easy**

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### **Introduction:-**

The small shop owner cannot afford high budget software, these software are basically designed for big malls and departmental stores. The owner of the small shop is unable to manage inventory properly, the computer aided solution will help the shopkeepers to tackle such conditions. In small shops manual accounting is being carried out, this software will solve this problem. Purchase order for the shop is being prepared by checking the stock in shop manually, this consumes a lot of time in this task.

This software provides a full fledged solution to the above noted problems. It provides a facility to generate short list item which helps in placing purchase order with regard to preferred quantity.

Now the small shops will be computerized and all the manual work will be reduced to some extent.

## **Computerized Sales & Purchase System**

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### **Introduction:-**

I developed the computerized "Sales & Purchase System" as per the demand and requirements of the "M/S Annu Irrigation System LTD., Chalisgaon". The project report on the "Sales & Purchase System" is developed for the "M/S Annu Irrigation System LTD., 15, Suvarnatai Shopping Complex, Bhadgaon Road, Chalisgaon."

The computerized "Sales & Purchase System" is developed to ignore the tedious record keeping and time consuming work. It is difficult and so lengthy to find out information of particular Customer, Supplier, Product etc. Our Computerized System solves various types of queries within a few seconds. Basically our computerized "Sales & Purchase System" is developed to maintain detail information of the . Customer, Supplier, Products etc.

## **Sachin Medical And General Stores Station Road** **Chalisgaon**

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### Introduction:-

To get the information of the proper time with the last efforts arises the need of computerization. The use of the information should be effective. With computers, we get the better quality information and can take particular action and that contributes towards effective decisionmaking.

Now days, computer are being widely used in any system because of its easy of learning and getting result. Also the cost is decreased and they are easily available. So the small organization, business and every department get opportunity to improve performance. They can cut down the requirement of manpower. Arrival of "RDBMS" i.e. Relational Database Management System will definitely help up utilizing "PC" i.e. Personal Computer to great extent. Microcomputer saves out of time. It gives better information, which again reduces the efforts.

All these advantages make computers a "NEED" in the system. Its characteristics like storage, speed atomization diligence and capability of doing any type of the makes attractive.

## **MY DICTIONARY**

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### Introduction:-

The project My Dictionary is basically based on Open Source Concept. Today all of us are using Oxford or Webster Dictionary because of whenever we communicate or discuss on any topic at that time we required dictionary. Because we don't know all words meaning which ever we use in the communication so that's why we

are using dictionary. Suppose some buddy used new words in their communication and you don't get meaning of that word in dictionary also it is not available in any dictionary then what will you do??

My Dictionary Project is based on basically words and their meanings means that in this dictionary user can add the new words with their meaning along with details like origin of the word, location where that word will be used and all details of user will be saved in this dictionary. Here user's details are taken for further contact to that user.

Our project is very helpful for different types of user like who are searching daily new words for better communication, the researchers of literature, the students who are going to study in foreign Universities for their Post Graduation Course like GRE and TOFEL and local people who want to communicate with others people means they can understand in their local language e.g. In this dictionary containing some Hindi word which is universally accepted.

In My Dictionary here we add new words in basically 3 categories as follows:

1. General English Words
2. GRE/TOFEL Words
3. Originally Hindi But Universally Accepted as English Words

The most important feature of this My Dictionary Project is that it is an Open Source Dictionary means user can have a power to decide which word he wants in this dictionary. All words are verified by the Experts within the 24 Hour, when experts are approved that words then and then only that word will be added in My Dictionary means there is No fake words will be added in My Dictionary.

In future it will be expanded in different Local and International Languages.

## **EMPLOYEE EXCHANGE**

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Introduction:-

The following project "Employment Exchange" which is useful for Government organization running placement centre for candidates. It will help to sort appropriate job according to the required criteria.

Using this Web Application it is useful for maintaining the record and sort the appropriate candidate for appropriate job . It will be useful to reduce all the manual work taking place

Below are some of the facilities to reduce the manual work:

- **Registration :**  
The Candidate can register online. The company needing the employee can put up the vacancy by registering.
- **Placement :**  
The Employment exchange will check the availability for job from the following company and suggest appropriate candidate respectively.
- **Download & Upload :**  
The candidate can upload his resume & it can be downloaded by the company if appropriate candidate found.
- **Messaging :**  
If the following candidate will match with job profile he/she will be informed on to his/her account.
- **Company :**  
The Company will get the profile of the candidate which has been sorted according to the requirement of the company.

## **Website for MEDIA Computers**

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College Name :- MET , Bhujbal Knowledge City, Nasik

Introduction:-

Contains =>

- Online Registration Facility
- Online Examination Facility
- Online Courses Information
- Downloading Features
- Library System.

**Lab Spy**  
**An e-Journal Submission and Computer Lab**  
**Monitoring System**

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**Introduction:-**

Lab Spy is an interactive LAN tool which will help the Teachers to monitor the lab remotely without being present in person in the lab. It provides efficient way for the Students to interact with the Teacher. Student has the facility of viewing the Teachers desktop on request. Intercommunication among the Students can also be under taken in the computer laboratory. The attendance of the students is also being taken with the aid of computer.

Teacher gets the indication of unauthorized uses of applications, external devices by the Students, so that teacher can warn the students for that. It provides the facility of uploading program on the server for verification and performance grading, which reduces printing overhead of the students. The continuous evaluation process of the student is evaluated by grade system. This will improve programming skills of the student.

This software is introducing a new era for Journal Submission, i.e. e-Journal Submission. The certification to the students is provided by the system as a proof of Submission in the form of Certificate.

**Select \***  
**The Rapid Query Teacher**

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**Introduction:-**

In the general scenario, every new-born programmer needs to face the difficulties regarding with database and queries. The queries are not a piece of cake that anyone can twist it out. It needs certain expertise, and by doing some regular exercise one can find it very easy to solve.

Our software we are providing a specific way to go through these queries and database handling exercises. The regular exercise will make you best in query designing and database handling