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SP02002

VISITOR MANAGEMENT SYSTEM

BY

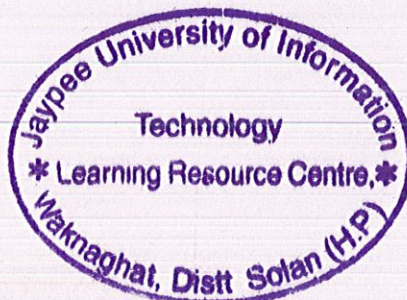
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SANJAY KUMAR SINGH-021065
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ARUN KUMAR-021009



May - 2006

Submitted in partial fulfillment of the Degree of Bachelor of
Technology

DEPARTMENT OF COMPUTER SCIENCE /
ELECTRONICS & COMMUNICATION
JAYPEE UNIVERSITY OF INFORMATION
TECHNOLOGY-WAKNAGHAT



DECLARATION BY THE CANDIDATE (S)

We hereby certify that the work, which is being presented in the project entitled "**VISITOR MANAGEMENT SYSTEM**", in partial fulfillment of the requirements for the award of degree of **Bachelor of Technology** in Computer Science and Engineering / Electronics & Communication Engineering, submitted in the Department of Computer Science and Engineering/ Electronics & Communication Engineering, Jaypee University of Information Technology, Waknaghat (H.P) is an **authentic record** of our work carried out during the period from **Feb, 2006 to May, 2006** under the supervision and guidance of "**Mrs. Tanuja Singh and Miss Laxmi Thapa**".

We have not submitted the matter embodied in this project for the award of any other degree or diploma.


Signature of the student(s)

Details of the Student with name (s):

Date:

CERTIFICATE

This is to certify that the work entitled "VISITOR MANAGEMENT SYSTEM" submitted by **VISHAD KUMAR (021203)**, **SANJAY KUMAR SINGH (021065)**, **YUWRAJ CHAWLE (021081)**, **ARUN KUMAR (021009)**, in the partial fulfillment for award of degree of Bachelor of Technology in **Computer Science & Engineering / Electronics & Communication Engineering** of Jaypee University of Information Technology, is a record of the training undergone by them under my supervision.


Signature
(Internal Supervisor)
JUIT, Wagnaghat

Dated: 27/5/06

ACKNOWLEDGEMENT

We would like to express our gratitude and appreciation to *Mr. Parag Bhise, Vice president, Nucleus Software Exports Limited, Noida* for his encouragement and valuable guidance in the successful progress of the project work.

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It will be very unfair not to mention names of **Ms Laxmi Thapa** and **Mr Ashish Gupta**, at **Nucleus Software**, for their great patience in entertaining our queries and helping us in every possible way. And how can we forget our constant source of inspiration **Mrs Tanuja Singh**, Nucleus Software, for teaching us the importance of 'the corporate culture and project management' and guiding relentlessly to the successful completion of the project.

We also extend our sincere thanks and gratitude to all the faculty members of the *Department of Computer Science and Electronics and Communications* for providing us the necessary knowledge, which helped us in taking our project to successful completion.

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Definitions and Acronyms

I-Card: receipt having the particulars along with the photograph of each of the visitors entering the premises

JVM: Java Virtual Machine

JDK : Java Development Kit

Regular Visitor: visitor whom an employee perceives will be coming on a regular basis

User: Employees of the organization, who logs a request and guard.

Visitor: Anyone who is not an employee or a permanent contract staff member.

BS 7799: first published by BSI in 1999, titled "Information Security Management Systems - Specification with guidance for use.

CHAPTER 1 IN THE COMPANY **ABSTRACT**

The existing product “VISITOR MANAGEMENT SYSTEM” (VMS) was developed in lieu to the need for a computerized system that shall provide the capabilities of automated assistance to its users to manage their visitors efficiently . The system works under the Nucleus Power Pack (NPP) umbrella and thus has an access to the required database.

The Visitor Management System keeps a record of all the visitors (who are neither employees nor contracted staff members.) who visited or wanted to visit Nucleus Software Exports Limited (NSEL) premises.

An Employee logs a request with visitor particulars and specific date and time of the visit in advance. At the entry end, the guard checks for the entry of visitor and if the request is present, the visitor is given a visitor I-card and slip containing his details including his belongings and his details is saved in the database. At the instance of exit, visitor has to return the I-card as well as the slip signed by the concerned employee.

The objective of our project is to provide required enhancements in the existing VMS for the automatic generation of identity card (containing photograph of the visitor along with other particulars), and to save the photo of each visitor in the database for future use This would greatly reduce the delays at the entry gate, save considerable overhead of documentation and paperwork.

This enhancement is required in the existing system as nucleus software is going for BS7799 security certification, which requires all the data to be present in the organization.

CHAPTER 1 INTRODUCTION TO THE COMPANY

India has become a hub for software development. Software development in India has attracted so many other countries across the globe that they have started outsourcing their processes from India. Many factors have attributed to this sudden surge in outsourcing of business and knowledge processes, in which India is being seen as a favorite destination. Especially in the field of banking software development, India is considered a specialist. Nucleus Software is considered as one of the biggest players when it comes to developing banking software.

Nucleus Software established in 1986 is a leading global software powerhouse providing innovative and pioneering products and software solutions in various domains. NSEL is one of those software consultants in India that is today a universally respected entity with a wide global network as the company's solutions have been successfully implemented across the globe.

Nucleus's mission is to be dependable world-class organization, foster the spirit of entrepreneurship within the organization through individual development. Their endeavor is to provide our national and international customers with competitive Information Technology solutions.

Nucleus Software addresses the needs of global customers through a branch office in London, wholly owned subsidiaries in USA, Singapore, Australia, Hong Kong and Japan and through well networked channel partners in several other countries. In India it has full-fledged Development Centers in New Delhi, Chennai, Bangalore, where there is a constant endeavor to develop newer and better products and solutions for the banking and financial sectors. Nucleus group has staff strength in excess of 700 software professionals and over 4500 man-years of experience in developing application software.

In due course of time this software company in India has steadily moved up the value chain to be a truly complete financial services software provider. The core competence of

the company is in banking and financial services spanning across solutions in the areas of Core Banking, Retail & Corporate Banking, Credit Cards, Cash Management, Relationship Banking, Financial CRM, Credit Risk & Appraisal, Trade Finance, EAI, Internet Banking, FX, Basel II, Data warehousing and Analytics.

The solutions provided by the company in various banking sectors are as follows:-

Consulting solutions-The main objective of the Consulting Solutions provider is to ensure that the clients succeed with their investment in Nucleus Software again and again. The various consulting solutions are-

- Technology Consulting
- Implementation Consulting
- Project management solutions
- Design and implementations solutions
- Project Quality reviews
- Implementation readiness reviews
- Implementation effectiveness reviews

Customized software development- The Company offers many different options in software development including onsite, onshore, near- shore, offshore development, or a combination of these.

The company develops an appropriate delivery strategy is developed for each client, based on specific requirements. The end result is a seamless, transparent execution of the client's project across a variety of delivery channels, which include:

- Onshore software development
- Off shore software development
- Near shore software development

Software support and maintenance – At Nucleus technical analysts are trained in analyzing the problem and taking a focused and structured approach to solving critical and time sensitive issues. The rigorous technical and customer training, combined with

practical hands-on experience with Nucleus products, ensure a reliable and knowledgeable response every time the clients come up with their questions and solutions to those problems.

Outsourcing banks software solutions– Nucleus Software Company with a global presence is fully geared with cutting edge skills, intellectual talent pool and business knowledge competencies to address any challenge a client's requirements might demand.

The four optimized models for outsourcing software solutions are

- Onsite software solutions
- Onshore software solutions
- Offshore software solutions
- Combo model

Their Banking Software Products as well as Financial Software Products are as mentioned below:

- Finnone (Complete banking suite)
- Cash@will (cash management)
- Fraud management system
- Power0Net
- Powercard
- Trade facto
- Request
- @ware

Nucleus has a strong quality culture, reflected in SEI CMM Level 5 certification and Six Sigma initiatives. Deloitte Touche Tohmatsu Asia Pacific Technology fast 500 report ranked Nucleus amongst Top 100 fastest growing and most dynamic companies of Asia.

Nucleus at Noida is completely automated office with an identity access system; a biometric attendance system and power operated doors, sensors and centralized security.

CHAPTER-2: WORK REPORT

2.1 INTRODUCTION TO THE PROJECT:

2.1.1 WHAT IS 'VISITOR MANAGEMENT SYSTEM'

Security breach, presence of redundant data and tracking visitors (both current and past) in the organization's premises are the major concerns of any organization in the current world. To the rescue comes 'VISITOR MANAGEMENT SYSTEM' (VMS) module.

VMS is an integrated, semi-automated and efficient way of handling the security concerns of any organization. It facilitates the employees to put up requests of the persons he is scheduled to meet. Tracking of the visitor becomes more reliable because of the presence of the photograph of the visitor in the I-CARD they are given at the gate by the guard. Moreover for future reference also one could easily track any visitor on a given date or within a period of time.

2.1.2 Inception of The Project

The zeal to achieve **BS7799** security certification, the company thought of several measures to handle the security problems (especially tracking of the visitors within the premises of the organization). One of such measures taken was the enhancement of the existing 'Visitor management System' (VMS) to meet the requirements of making it capable enough to contribute towards the security issue.

Our team was given this project to achieve multiple tasks, which would make this system more efficient. Some of the tasks were:

- designing a new way of managing the VMS system
- the design should include the provision of including the photograph of the visitor
- it should have the facility to track any visitor (along with the photograph) who visited the premises of the organization in the past .

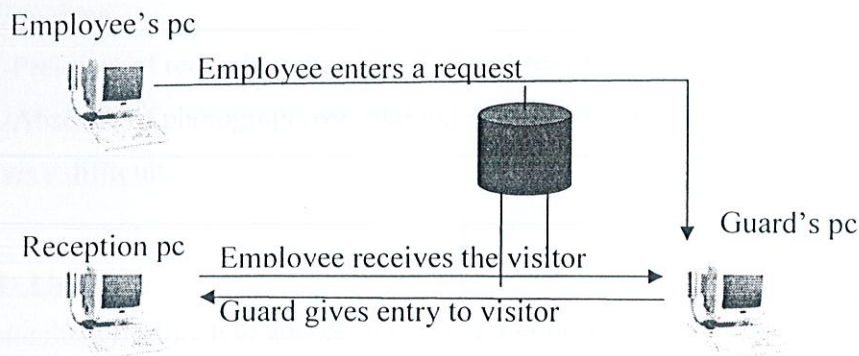


fig. Extrinsic view of flow of events

2.1.3 Beginning of The Project

We divided the whole project into different phases using the concept of project management:

Phase 1: Defining

Phase 2: Planning

Phase 3: Organizing

Phase 4: Implementation

Phase 5: Controlling

Phase 1: Defining

Here we defined the project, as to what the project wants to achieve.

“To provide the required automation to the existing ‘Visitor management System’, so as to make it more secure and user friendly”

This definition was defining the project in totality but was not precise enough to guide us in some fixed direction. So we spent a good duration of the whole project in presenting prototypes of the flow of the whole event (managing visitors), one after the other just to clearly address the exact need of the organization and at the same time help ourselves define the boundary of work we need to work on.

We arrived at the following conclusions:

Major Concerns:

- Presence of redundant data (multiple entries of the same visitor)
- Absence of photograph was making -the tracking of the present and past visitors very difficult

Phase 2: Planning

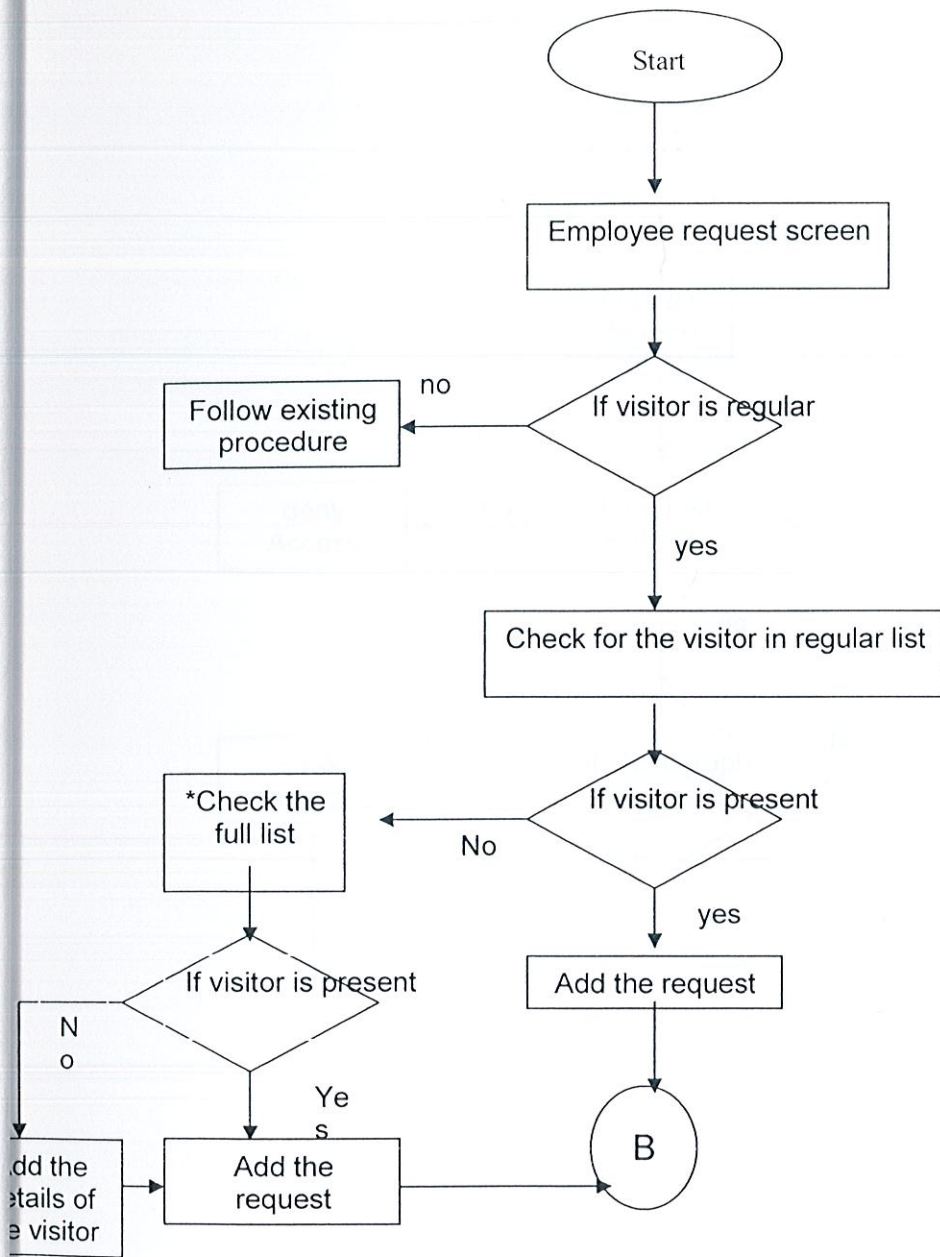
Major conclusions drawn to address these major concerns:

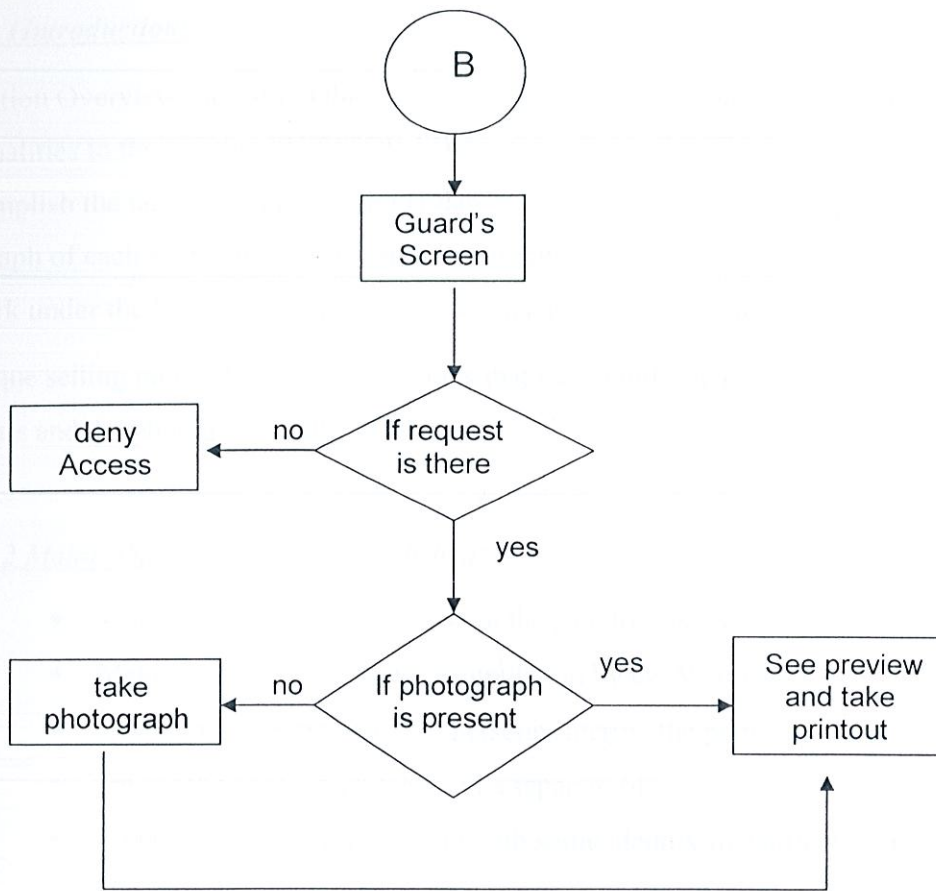
- division of the visitors in two groups
- frequent visitors: who visits the premises regularly, either in patches or in a duration regular
- non-frequent visitors: who either visits after a long duration or are one time visitors
- using a web cam, to take photograph of the visitor and dynamically associate the photograph to the corresponding visitor

Finally, the following things were drafted so as to clearly address the issue and give us a precise route to follow:

- DFD (Data Flow Diagram)
- FSD (Functional Specification Diagram) and
- Prototype (showing the exact flow of events)

Data Flow Diagram





2.1.3.1 FSD (FUNCTIONAL SPECIFICATION DOCUMENT)

2.1.3.1 .1 Introduction:

Application Overview, Scope & Objectives: - The need of our project is to add extra functionalities to the existing "VISITOR MANAGEMENT SYSTEM". Our project tries to accomplish the task of issuing receipt (I-card), having the particulars along with the photograph of each of the visitors entering the premises of the organization. The system will work under the NPP umbrella and thus will have access to the required database.

The unique selling proposition of this system is that the identifying parameters are- both particulars and the photograph of the visitor.

2.1.3.1 .2 Major objectives to be accomplished:

- To Reduce unnecessary delays at the gate for visitors.
- Making system secure (no manipulation by the Visitor).
- Taking photograph of all the persons entering the premises
- Saving the photograph taken, in a separate file
- To take print out of the receipt with some identifying particulars along with photograph
- Ease in use by the Users (guard).
- Making system flexible enough for up gradation

2.1.3.1 .3 Need for the Application:-

- Non- availability of centralized system for future reference and security purposes.
- Manual Updating and Maintenance is very difficult & time-consuming task.
- Considerable overhead of documentation and paperwork would be saved

2.1.3.1.4 Purpose of the Document:

The software engineer will use this Functional Specification document to create a detailed design document, which will explain in detail how the software would be designed and developed. The detailed design work further decomposes and translates the functional requirements into pseudo code, and then into a computer module or program.

The functional specification will translate the Software Requirements Document into a technical description that:

- Ensures the product feature requirements are correctly understood before moving onto the next step, the software design process.
- Clearly and unambiguously provide all the information necessary to design the software.

2.1.3.1.5 Vision

Vision is to provide up gradation to the existing "Visitor Management system". The immediate task is to issue I-CARD to the visitors. The I-CARD should contain the particulars of the visitors along with the photograph of the visitor. This is extremely important so as to:

- Stop any breach of security
- Maintain a database of all the visitors for future reference

Phase 3 organizing

All the resources were mobilized. We discovered different options to achieve the task and finally following things were decided. Work division was made. Different persons were given different task to perform.

2.1.3.1.6 Application Environment

Technology Environment

Hardware

- Pentium 4 – 1 .7Ghz
- 512 MB RAM
- LAN Card
- Network Support
- 20 GB HDD
- Web Camera
- Printer

Software

- Apache TOMCAT
- Oracle 8i
- Windows NT/XP
- JVM
- JDK 1.4.2

Hardware specification

Web Camera

- Vega 1.3 M pixel

Printer

- HP Business Ink jet -1000 (Price Rs. 5800/5200)

This printer can print up to 4000-5000 of color pages in one cartridge.

Refill price Rs.1300

For Pages – 100 GSM paper will be good as it will be thicker than normal paper.

2.1.3.1.7 Security System

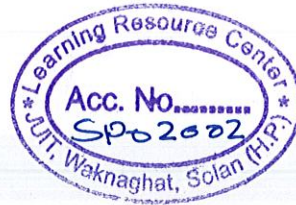
This system provides authenticated access to the visitors entering the premises and stores their particulars along with their photographs for future reference. The entry to the database could only be done by the user having role based access with the provided user id and password. Only the user could enter the visitor's information

2.2 SCREEN DESCRIPTION

2.2.1 My visitors For Today

Screen name:

- My visitors For Today List



My Visitors for Today List

My Visitors Planned for Today

S.No.	Name of Visitor	Organization	Host	IBU	Ext.	Visitor Contact No.	Visit Status
1	TRUR	COMPULINK	LAXMI THAPA	INFORMATION SYSTEMS SUPPORT	100	5605555555555	No
2	arjun deepak	VBNVBN	LAXMI THAPA	INFORMATION SYSTEMS SUPPORT	100	7654231	No
3	vishadd	nuc	LAXMI THAPA	INFORMATION SYSTEMS SUPPORT	100	98765432	No

This screen shows the list of all the visitors scheduled specific to the employee for a given day. It depicts the details about the visit also.

It is used by the employee to view who he is to meet today as well as at what time the meeting is scheduled.

2.2.2 Visit Request

Screen name:

- Main request Entry

Main Request Entry

To Meet	Extension No.
Host Mobile No.	Date of Visit (DD/MM/YYYY)
Time of Visit *HH:MM	Expected Duration HH:MM
Name of The Visitor *	Contact No. of Visitor #
Purpose Select *	Email ID of Visitor #
Address of Visitor	Description
Organization <input type="radio"/> Select <input type="radio"/>	Designation

** Click radio button to Either select Organization from dropdown Or enter in textfield
One of the two hash fields is mandatory to make the visitor regular

Visit For More Than One Day
 Regular Visitor

Add Regular Visitor List Save Cancel

S No.	Name of Visitor	Contact no. of Visitor	Date of Visit	Time of Visit	Email ID of Visitor	Purpose	Organization
-------	-----------------	------------------------	---------------	---------------	---------------------	---------	--------------

Here an employee can put up a request for a visitor. He can define whether the visitor is regular or not as per his convenience.

2.2.2.1 Regular Visitor's List

If visitor is already a regular one:

Steps to add as a Normal Visitor:

1. Fill the relevant information in the fields.
2. Click *Save* button.

Steps to add as a Regular Visitor*:

1. Fill the relevant information in the fields.
2. Click the check box "*Regular Visitor*" on bottom left of the screen.
3. Add either "*Contact no.*" or the "*email id*" of the visitor, as one of them is mandatory.
4. Click *Save* button.

2.2.2.1 Regular Visitor's List

If visitor is already a regular one:

1. Click *Regular Visitor List* Button.

* **'Regular Visitor's List' is employee specific**

Screen :

- Main request Entry

Main Request Entry

S.No.1	Name of Visitor	Organization	Email ID	Purpose	Visitor Contact no.	Ext.	Time of Visit	Duration	Date	Entry
1	TPUR	COMPULINK	-	Select v +	56855555555555					<input type="checkbox"/>
2	anand	ORG3	-	Select v +	9876543233					<input type="checkbox"/>
3	arjun deepak	VBNVBN	ardee@qt.com	Select v +	7654231					<input type="checkbox"/>
4	arun	GFHGH	-	Select v +	5645645					<input type="checkbox"/>
5	bgcdg	GGGGG	-	Select v +	23423					<input type="checkbox"/>
6	namitgrover	GGGGG	-	Select v +	5348989					<input type="checkbox"/>
7	sharadmukim	GGGGG	-	Select v +	23423					<input type="checkbox"/>

Full List Add Submit Delete Cancel

Steps to put request of a Regular Visitor:

1. Fill the relevant information of the visitor.
2. Click *Entry* checkbox.
3. Click *Submit* button.

Steps to delete an already existing Regular Visitor:

1. Click *Entry* checkbox.
2. Click *Delete* button.

Steps to view the full list* of all Regular Visitors:

1. Click Full List button.

2.2.2.2 Regular Visitor's Full List*

*The Full Visitor List consists of the regular visitors of all employees of the organization.

Screen :

- Full list of the regular visitor

Name of Visitor	Organization	Email ID	Purpose	Visitor Contact no.	Ext.	Time of Visit	Duration	Date	Entr
ASFG	BV BV BV	-	Select	234535					<input type="checkbox"/>
SHARAD	GFHGH	-	Select	9876789876					<input type="checkbox"/>
Shyam Sunder	GFHGH	-	Select	55667878865					<input type="checkbox"/>
TRUR	COMPULINK	-	Select	56855555555555					<input type="checkbox"/>
agd	BV BV BV	-	Select	3567356					<input type="checkbox"/>
amit kumar	GGGGG	-	Select	987656					<input type="checkbox"/>
amit kumar	GGGGG	-	Select	987656					<input type="checkbox"/>
vishad	JUIT	kumar_vishad@cooltoad.com	Select	0					<input type="checkbox"/>
vishadd	nuc	-	Select	98765432					<input type="checkbox"/>

Submit | Next | Cancel

If the employee is unable to find a visitor's name in his list of regular visitor, then he could view full list of the regular visitors.

Steps to put request of an existing Regular Visitor in Full List:

- 1.Fill the relevant information of the visitor.
- 2.Click *Entry* checkbox.
- 3.Click *Submit* button.

Note: The employee does not have the right to do modifications in the Full List.

2.3 Guard

This module allows the Guard to enter information of the visitor at the time of entry and exit from the premises of Nucleus Software Exports Limited (NSEL). It also provides the functionality of take the photograph of the visitor if the same is not present in the system and save it along with other information of the visitor. Finally the slip gets printed. Through the various listed functionalities the module allows the system to decide upon the authenticated access to the visitor.

To gain access to Guard Module go to the Visitor Management System and click on the Expand button.

To go to each screen of the module, click on the links under Guard menu. In all there are four screens under Guard Module. Using these screens a guard can make entry, exit and save the details of the visitor.

- To save the data, click on the Save button. An error message appears if the mandatory fields are left blank.
- To undo the entered data, click on the Cancel button.

2.3.2 Visitor Entry

2.3.1 Visitor No Entry

This option allows the Employee to enter the information of the visitor whose visit to the premises is cancelled and save the information in the system, which can view by the Guard.

Visitor No Entry			
Name of Visitor	<input type="text"/>	Employee Name	<input type="text"/>
Organization	<input type="text"/>	Address	<input type="text"/>
Purpose	<input type="text" value="Client"/>	Contact No.	<input type="text"/>
			Save Cancel

Following are the steps to add visitor information:

1. Click on the *Visitor No Entry* link in the *Guard* module.
2. The *Visitor No Entry* screen appears. Enter information in the fields displayed like, Name of the Visitor, Name of the Employee and Contact Number.

3. To save the data, click on the *Save* button in the *Visitor No Entry* screen. A message box appears if the mandatory fields are left blank at the time of saving.
4. To undo the entered data, click on the *Cancel* button in the *Visitor No Entry* screen.

2.3.2 Visitor Exit

This option allows the Guard to view the information of the visitor at the time of exit from the premises and save the same in the system.

Visitor Exit					
S No.	Name of Visitor	Host	IBU	Vehicle No.	Exit
1	arjun deepak	LAXMI THAPA	INFORMATION SYSTEMS SUPPORT		<input checked="" type="checkbox"/>

Exit Cancel

Following are the steps to view visitor information:

1. Click on the *Visitor Exit* link in the *Guard* module.
2. The *Visitor Exit* screen appears.
3. To make the exit of the visitor, check the exit checkbox and click on the *Exit* button in the *Visitor Exit* screen.

2.3.3 Visitor Entry

This option allows the Guard to enter the information of the visitor at the instant of entry to the premises and save the information in the system.



								Slip Preview	Cancel	
S.No.	Name of Visitor	Organization	Host	IBU	Ext.	Time of Visit	Visitor Contact no.	Vehicle No.	Item List	Entry
1	TRUR	COMPULINK	LAXMI THAPA	INFORMATION SYSTEMS SUPPORT	188	16:00	568555555555		Item List	<input type="checkbox"/>

Following are the steps to add visitor information:

1. Click on the *Visitor Entry* link in the *Guard* module.
2. The *Visitor Entry* screen appears. Enter information in the displayed fields like, visitor contact number, and vehicle number.

Visitor Entry



S.No.	Name of Visitor	Organization	Host	IBU	Ext.	Time of Visit	Visitor Contact no.	Vehicle No.	Item List	Entry
1	TRUR	COMPULINK	LAXMI TUANA	INFORMATION SYSTEMS	188	16:00	568555555555		Item List	<input checked="" type="checkbox"/>

Slip Preview

Cancel

http://10.0.60.114/NPP/VMS/VMSItemList.jsp?visid=20060501

Items	Quantity
Laptop	<input type="text"/>
Floppy	<input type="text" value="1"/>
CD/VCD/DVD	<input type="text"/>
Calculator	<input type="text" value="2"/>
Cellphone(if more than one)	<input type="text"/>
Others(specify)	<input type="text"/>

Save Cancel

3. Click on the *Item List* link on the *Visitor Entry* screen.
4. A new window containing items names appears. Enter information regarding the quantity in the quantity field displayed.
5. To save the data, click on the *Save* button in the *Item List* screen.
6. To undo the entered data, click on the *Cancel* button in the *Item List* screen.

2.3.3.1 Slip Preview

Visitor Entry

S.No.	Name of Visitor	Organization	Host	IBU	Ext.	Time of Visit	Visitor Contact no.	Vehicle No.	Item List	Entry
1	TRUR	COMPULINK	LAXMI	INFORMATION SYSTEMS	188	16:00	5685555555555		Item	<input checked="" type="checkbox"/>

Slip Preview Cancel

Close

Print

Nucleus Software Exports Ltd.
A-39, Sector-62, Noida, U.P., India

Serial: 20060519100007100000
Date: 19-May-2006
Name: VISHADD
Org.: NUC
Con.No: 98765432
Host: LAXMI THAPA
InTime: 04:10 PM

Address: null

Floopy 1
Calculator 2

Visitor Sign: _____

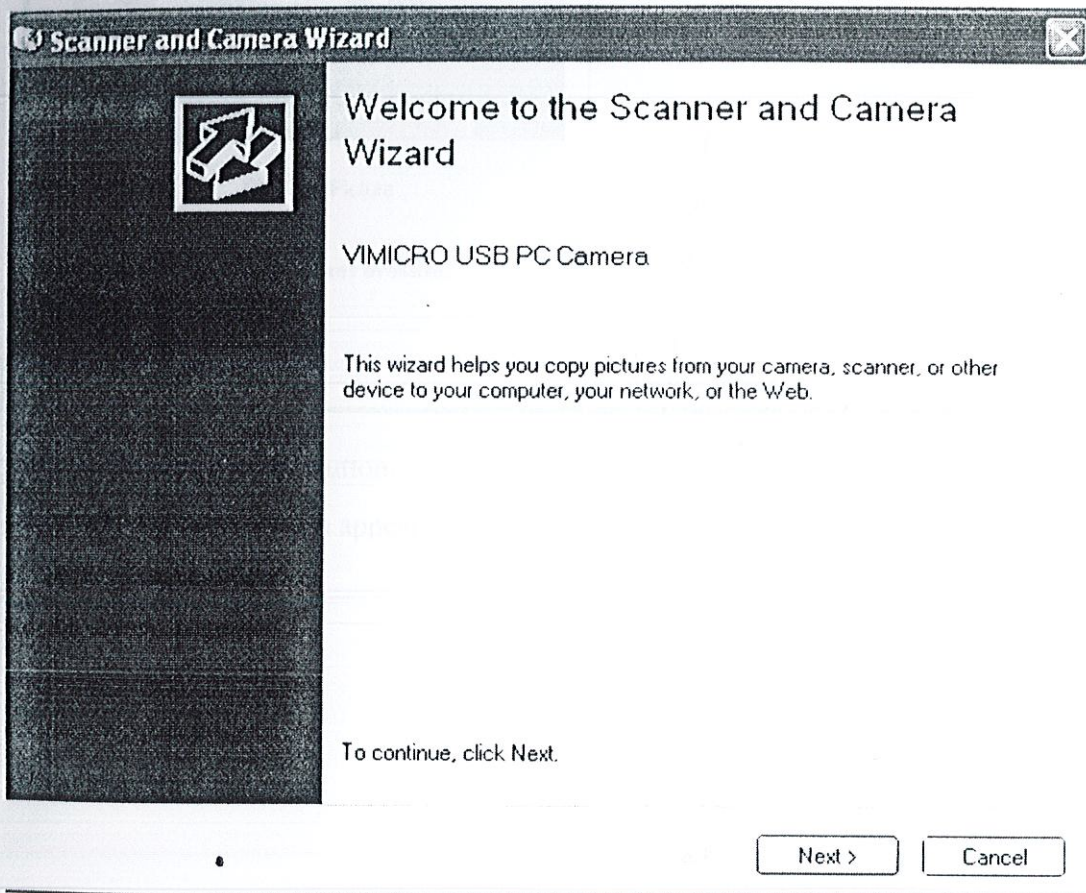
7. Check on the *entry* checkbox and then click on the *Slip Preview* button.
8. An alert message appears if the photograph is not present in the system.
9. Take the photograph of the visitor and then click the *ok* button.
9. The *Slip Preview* Screen appears with the visitor photograph and his other details.
10. To print the slip, click on the *Print* Icon on the *Slip Preview* screen.
11. To close the window click on the *Close* button on the *Slip Preview* screen.

2.3.3.2 Camera Action

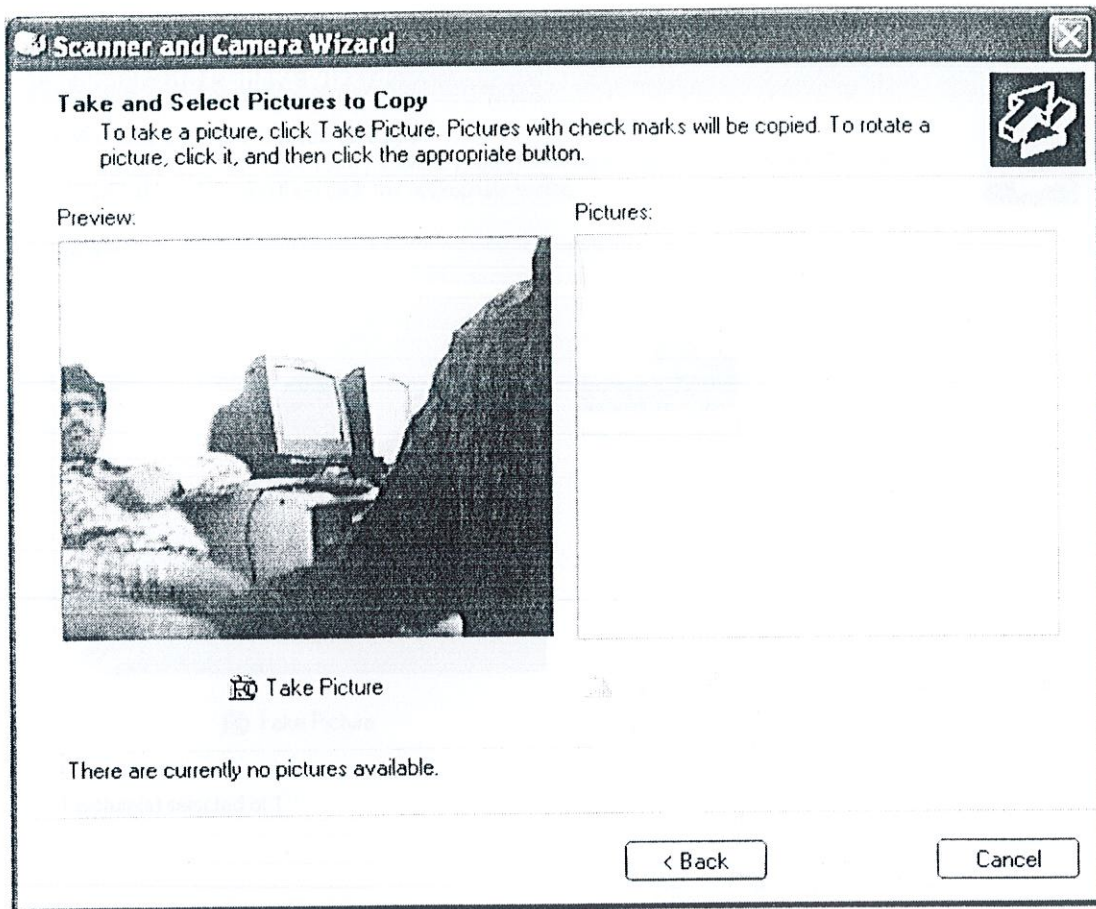
This module takes care how to operate the camera. The camera software clicks the visitor's snap if the photograph of visitor is not present. The working of the camera is explained below:

The steps to be taken are:

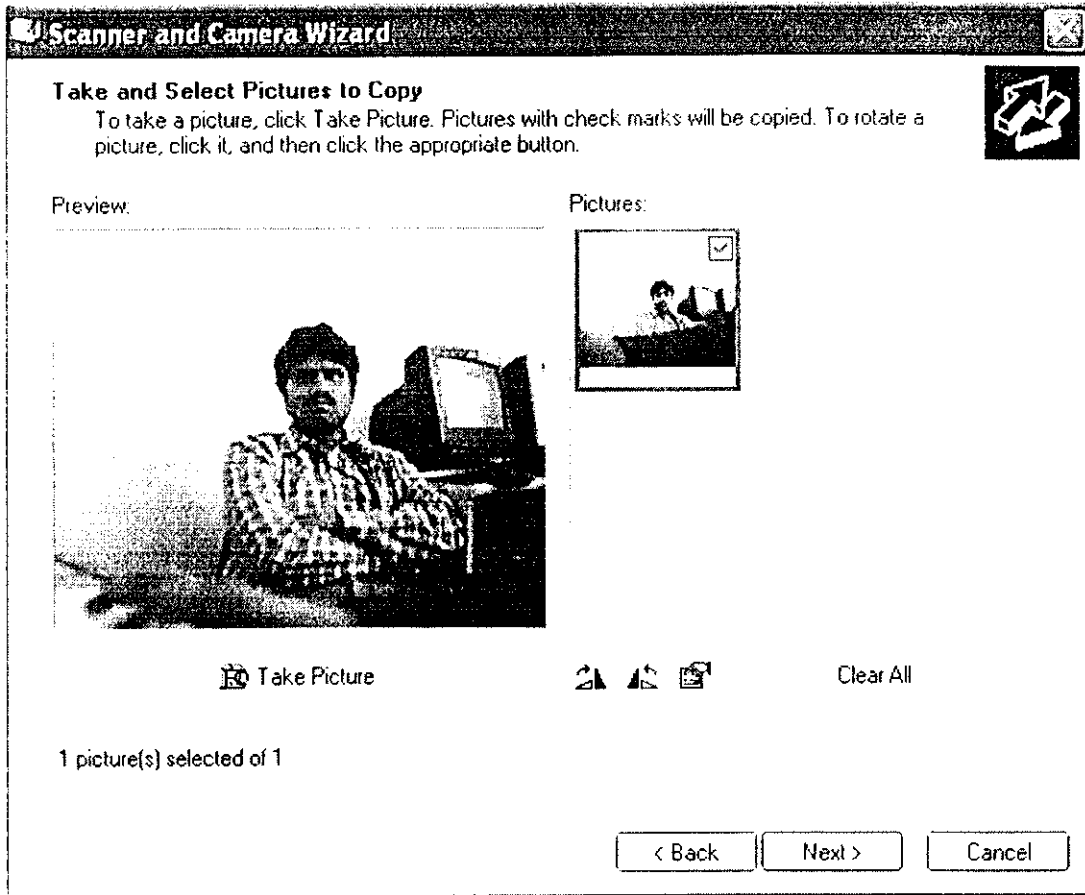
1. A pop up appears "Click OK after clicking the picture".
2. Right click the Camera icon *VIMICRO USB PC camera* on the desktop.
3. Click *Get pictures*.



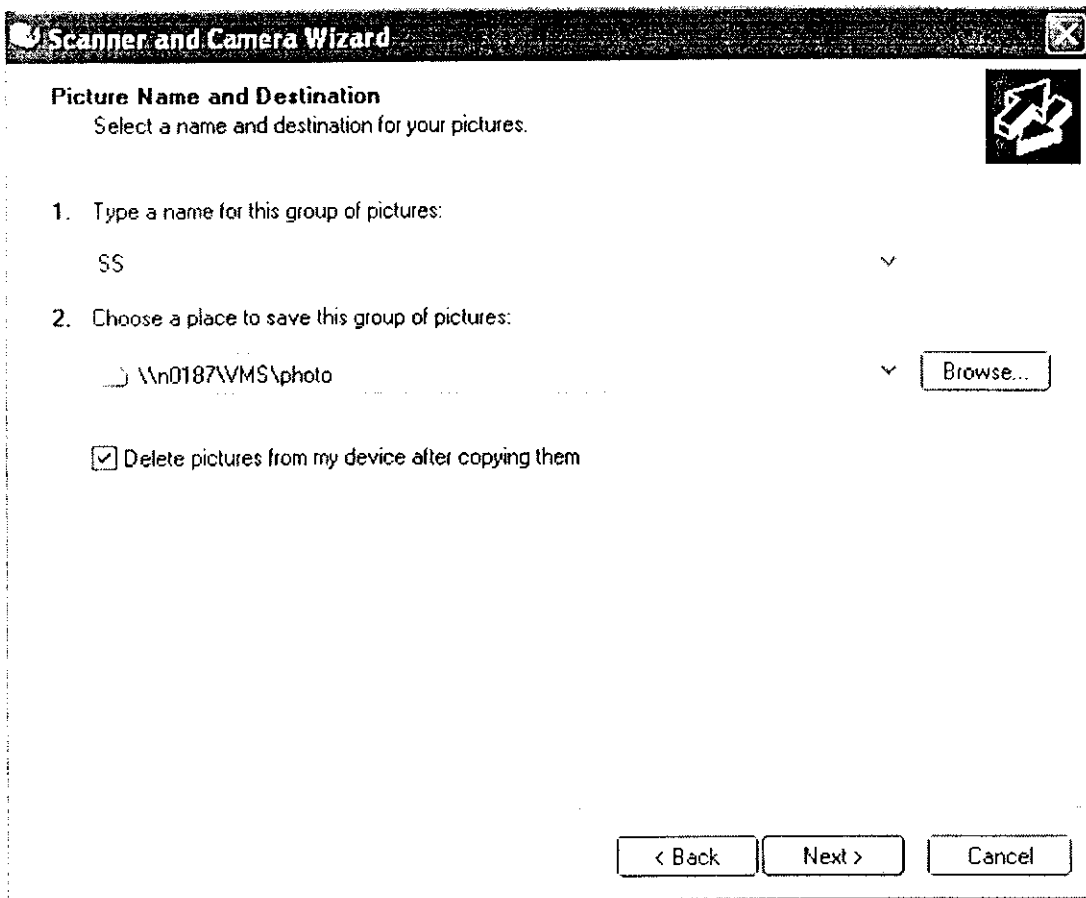
4. Click *Next>* button.
5. The following screen appears.



6. Click *Take Picture* button.
7. The following screen appears.



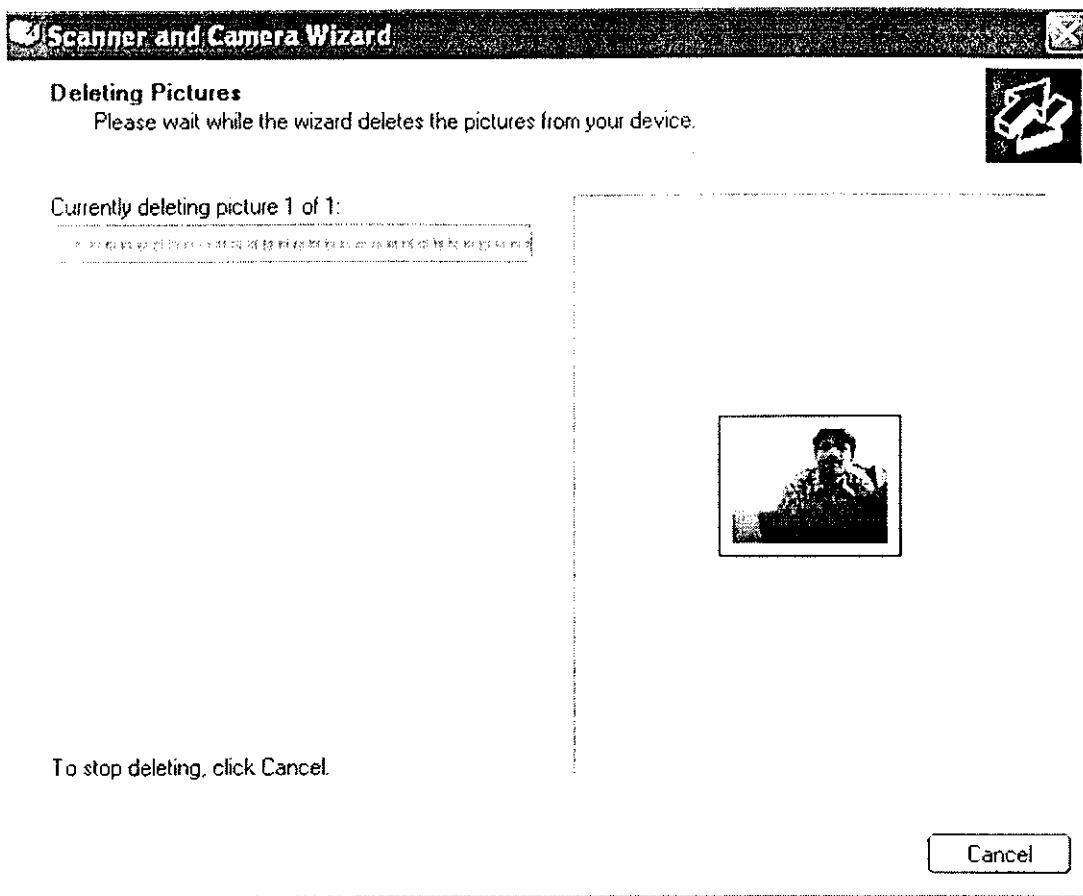
8. Click *Next*> button.
9. The following screen appears.



10. Click on the check box *Delete pictures from my device after copying them.*

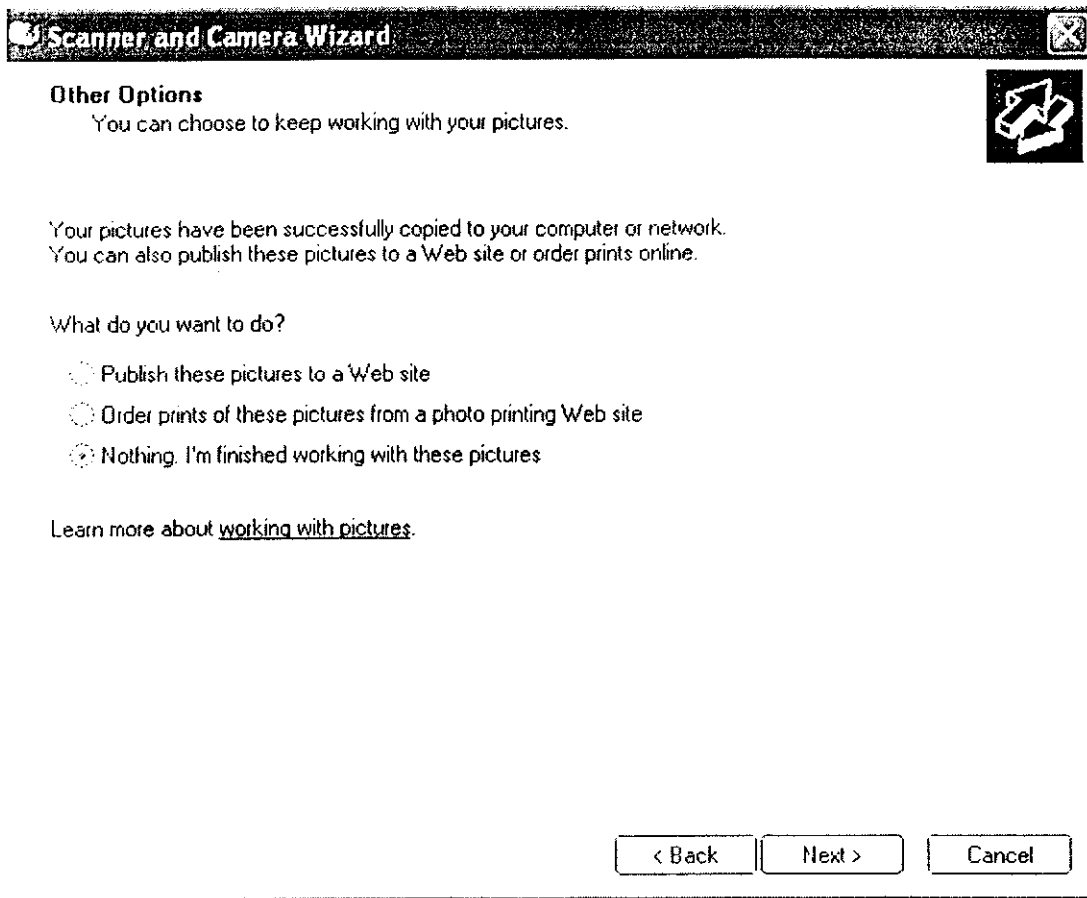
11. Click on Next> button.

12. The following screen appears.



13. Wait for some time till *Back*> and *Next*> button darkens.

14. The following screen appears.



15. Click *Back* button.

16. The process of clicking a picture is complete.

2.3.4 Visitor List All

This option allows the Guard to view all the visitors scheduled to visit the premises on a particular day, the visitors who are still to visit the premises on the that day and the visitors who have left the premises after completion of their visit.



					View All	Visitors In	Visitors Out
S.No.	Name of Visitor	Organization	Host	IBU	Ext.	Visitor Contact No.	Visit Complete
1	ASFG	BV BV BV	GAURAV BHUTANI	INFORMATION SYSTEMS SUPPORT	111	234535	Yes
2	TRUR	COMPULINK	LAXMI THAPA	INFORMATION SYSTEMS SUPPORT	188	56855555555555	No
3	arjun deepak	VBNVBN	LAXMI THAPA	INFORMATION SYSTEMS SUPPORT	188	7654231	No
4	vishadd	nuc	LAXMI THAPA	INFORMATION SYSTEMS SUPPORT	188	98765432	No

Following are the steps to view visitor visit:

1. Click on the *Visitor List All link* in the *Guard* module.
2. The *Visitor List All* screen appears.
3. Click on the *View All* button of the *Visitor List All* screen to view all the visitors scheduled to visit the premises on the particular day.

Visitors List



View All Visitors In Visitors Out

S.no	Name of Visitor	Organization	Host	IBU	Ext.	Visitor Contact no.	Vehicle no.
1	arjun deepak	VBNVBN	LAXMI THAPA	INFORMATION SYSTEMS SUPPORT	188	7654231	-
2	vishadd	nuc	LAXMI THAPA	INFORMATION SYSTEMS SUPPORT	188	98765432	-

4. Click on the *View In* button of the *Visitor List All* screen to view all the visitors who are still to visit the premises on the particular day

Visitors List

						View All	Visitors In	Visitors Out
S.No.	Name of Visitor	Organization	Host	IDU	Ext.	Visitor Contact no.	Vehicle no.	
1	ASFG	BV BV BV	GAURAV BHUTANI	INFORMATION SYSTEMS SUPPORT	111	234535	-	

5. Click on the *View Out* button of the *Visitor List All* screen to view all the visitors who have left the premises after completion of their task on the present day.

2.4 Reception

This module takes care of the reception end. Reception screen is for the use of the receptionist sitting at the reception of the main building. He/She makes the entry of the visitor and informs the host about the arrival of his/her visitor.



Entry | Cancel

S.No.	Name of Visitor	Host	IBU	Ent.	Contact Of Host	Received By	Slip Preview	Entry
1	ASFG	GAURAV BHUTANI	INFORMATION SYSTEMS SUPPORT	111	-	GAURAV BHUTANI	Click Here	<input checked="" type="checkbox"/>

When the visitor arrives at the reception, the receptionist can also view the slip preview by clicking on the *click here* link provided on the reception screen corresponding to the visitor to cross check the details of the slip issued at gate with the details at his/her screen.

When the host receives the visitor, receptionist enters the name of the person who receives the visitor and checks the Entry check box provided and clicks *Entry* Button provided at top right corner of the page.

CONCLUSIONS

The desired output, saving the data of the visitors along with their photograph, has been achieved. The system achieves the aim of providing the integration of the whole system and provide the necessary automation. It removes the following problems of the existing system.

- Non- availability of centralized system for future reference and security purposes.
- Manual Updating and Maintenance (difficult & time-consuming task)
- Considerable overhead of documentation and paperwork would be saved

BIBLIOGRAPHY

- www.nucleussoftware.com
- Functional Specification Document (FSD) and various other documentations about the existing Visitor management System.
- Existing and presently being used VMS at the Nucleus Software.
- The design and code specifications of the existing VMS at Nucleus Software.