DRONACHARYA COLLEGE OF ENGINEERING
MARCH NEWSLETTER, 2007

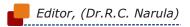**ISSUE OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY DEPARTMENT**

From Editor's Desk :

Come February and with the advent of this fantastic, fragrant and fascinating month come in an array of sports and cultural activities which flutter our academic calendar for a few refreshening days.The **Annual Sports** was observed from **20th Feb , 2007 to 26th Feb., 2007**, under the Chairmanship of Sports Committee. On this occasion various games and sports were organized among students and faculties. Games like cricket, Volleyball, Basket ball, Tug of rope and a variety of races were organized as part of sports activities and were attended and like by all the students and staff.

The **Sports Week** culminated on **26th Feb, 2007** into a special function presided over by **Dr. Satish Yadav**, Hon'ble Chairman of Dronacharya Group of Educational Institutions. The winners of the various sports and games were awarded Trophies.

A gorgeously decorated campus greeted the **Annual Day** Function held on **27th February 2007,** making it a memorable event that will go down in the annals of Dronacharya College of Engineering. The audience comprised of distinguished guests, parents, students and staff who were addressed by our dynamic chairman Dr.Satish Yadav about the latest developments of college. Hon'ble Chief Guest, **Shri Ranjiv Singh Dalal**, I.P.S., Director General of Police , Haryana, admired the commendable pace of progress of the college in a span of almost a decade. After a fascinating musical cultural programme presented by budding artistes, prizes and awards were distributed by the chief guest. The function concluded with vote of thanks followed by a sumptuous dinner for all.

Editor, (Dr.R.C. Narula)

From HOD's Desk :

It gives me immense pleasure that CSE & IT Department has involved in various Academic activities during the last few months. The Department of CSE/IT conducted in-house seminarsand all the Faculty members participated very actively. Moreover, a National Seminar on Recent Advances in Information technology was organized. People from different colleges and Industry presented papers on several topics including Nano Technology, Management Securi Systems, Internet Protocols and so on.

The inaugural address was given by **Mr. Gautam Pathak**, the Director of GSPL Software Solutions. He spoke at length on various option available for the software and other manufacturing industries. He pointed out that Open Source is one of the bestoptions for the software engineers and for the industry as it is really cost effective. It was followed by a series of presentations by participants. Also in the College Annual Function , **Mr Jitender Yadav** was Offered the Best Faculty of our CSE & IT Department for the year 2006-2007. The CSE & IT Department is very proud to inform that many of our 2004-2008 batch students have been placed in very reputed Industries like L & T Info Tech. Birla Soft, I Flex Solution, Infosys, etc.

Head of the Department, (Dr. S Srinivasan)

Live Projects Undertaken By Students :

Bus Scheduler

Avni Das

Objective : To automate the manual scheduling of bus resources and generate automated routes with the passenger data provided.

Justification and need of the system : The bus scheduler aims at increasing the cost effectiveness of running buses via all stops that need to be overed. It helps create economical bus routes as per passenger data provided and additional feature is provided for handling special cases when specific students/faculty from specific branches need to be picked up from their respective stops.

Description : The front end is in VB.NET, providing user-friendly forms, taking data from the backend SQL Server.

It authorizes only the administrator to handle the database fro passengers, bus resources, generation of routes and distance between two stops.

The heart of the entire project lies in the routes generation, in cases where the passengers exceed resources, the new routes will not be generated, at each node the number of passengers are checked. In case there are no passengers it makes sense to skip that node and not cover it. The special occasions have also been covered. However, 171 unique cases arise, out of which only 10 most frequent ones have been handled.

The passenger data, the bus resources and routes distances can be added, deleted and view the data present.

> **Team Members**
> **CSE&IT VIII Semester**
>
> 1. Avni Das (6275)
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> 2. Shankar Mangla (6298)
>
> 3. Yogesh Manchanda (6312)
>
> **Project Guide:** Mr. Vijender Hooda

Human Resource Information System (HRIS)

Ayush Dargar

Objective : This project aims for the computerization of the whole process of HR Department and Financial Department within the organization.

Justification and need of the system : Every Organization has HR and Finance Department, they want their work to be done fast and with minimum errors.

Each organization needs to keep track of their employees' personal as well as company details for various references. They also need to keep track of their salaries and performance. This tool will help in improving the performance of these Departments and will help in achieving paper free environment.

Description : The above project maintains the database about the employees' personal details like Name, Present and Permanent Address, Qualifications, Cost to the Company, Date of Joining, Designations, Take Home salary, Leave Account, Performance Analysis etc.

> **Team Members**
> **CSE&IT VIII Semester**
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> 1. Ayush Dargar (6276)
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> 2. Bharat Sharma (6277)
>
> 3. Tarun Sharma (6306)
>
> **Project Guide:** Mr. Dinesh Rai

It also takes care of various financial aspects such as fund flow, sales and purchase made, fixed cost and variable cost, break even point, profit and loss, assets and liabilities of the company .It is a multi-user environment and will be launched as a website along with the company's main web page.

This software would be developed in ASP.NET, using VB.NET as a language; having database connectivity using ADO.Net in connected/disconnected environment. The database used is SQL Server 2000. This is fully functional software developed for XentaQsys Technologies Pvt. Ltd. The interface used is very user friendly; everything is just a click away.
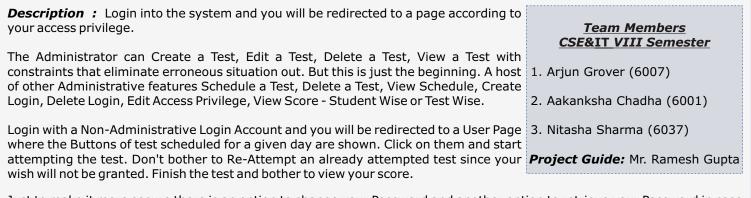
Online Skill Evaluation System (OLSE)

Objective : Online Skill Evaluation System (OLSE) works on the solid base of ASP.NET to make a program that attempts to revolutionize the way people look at the Multiple Choice Questions (MCQ's). See OLSE work, and you will feel a new HORIZON dawning over you.

Justification and need of the system : A test of multiple choice questions does not need a specialist to evaluate it. When the situation is such that why not leave this work to a Computer, just tell him the correct answers and he will do the job for you, if the correct answers are coupled with solid logic underneath. OLSE attempts to do just this. Sit in front of a Computer , click on the link will re-direct you to a test, give the test and get it evaluated by Mr. Computer immediately. Hence, it saves a lot of human hours. Get a test ready on a piece of paper, then collecting once it is over and finally evaluating it. OLSE just attempts to make life simple for a teacher and result output quicker for a student.

Arjun Grover

Description : Login into the system and you will be redirected to a page according to your access privilege.

The Administrator can Create a Test, Edit a Test, Delete a Test, View a Test with constraints that eliminate erroneous situation out. But this is just the beginning. A host of other Administrative features Schedule a Test, Delete a Test, View Schedule, Create Login, Delete Login, Edit Access Privilege, View Score - Student Wise or Test Wise.

Login with a Non-Administrative Login Account and you will be redirected to a User Page where the Buttons of test scheduled for a given day are shown. Click on them and start attempting the test. Don't bother to Re-Attempt an already attempted test since your wish will not be granted. Finish the test and bother to view your score.

Just to make it more secure there is an option to change your Password and another option to retrieve your Password in case you forget it.

BE WHEREVER, DO WHATEVER, YOUR TEST IS JUST A CLICK AWAY

Team Members
CSE&IT VIII Semester

1. Arjun Grover (6007)

2. Aakanksha Chadha (6001)

3. Nitasha Sharma (6037)

Project Guide: Mr. Ramesh Gupta

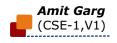## Student's Viewpoint About The Department :

Dronacharya College of Engg., laid a strong foundation which made me succeed in facing L&T Technology's Interview. Right from the first year, students are groomed not only technically, but an all-round development is also emphasized. Our distinguished faculty members put best of their efforts to bring very good results in University Examination as well on the placement front. It gives me immense pleasure to thank all of them.

Anurag Kishore
(CSE-1,V1)

Being a student of this prestigious college I feel myself very confident. Due to this confidence and knowledge I will be able to work in one of the best MNC's of the world.In this college faculties are knowledgeable and supportive , without their motivation this would not have been possible.

Amit Garg
(CSE-1,V1)

At the outset, I would like to place on record my sincere gratitude to Dronacharya College of Engineering for the excellent guidance theoretical and practical which culminated in my placement in one of the best companies of the country i.e Tech Mahindra at a very handsome package.

In fact, I am feeling short of words to express the innermost feelings of my heart. However, the credit for enhancing my stature and personality should go to the faculty members who moulded the raw clay into a much sought after statue. It has brought laurels, not only to the institution but to me as well. I am extremely grateful to the Management as well as the faculty of the Institution and wish it to grow by leaps and bounds.

Rashim Kumar
(IT,V1)

Dronacharya College of Engineering is like a teacher who throws you into the sea and expects you to learn on your own yet keeping a hand stretched out just to save you at the nick of time. It is refreshing to find an institute where the intelligent quotient blends with the knowledge quotient. Faculty members and infrastructure with a soothing environment help me to develop my thinking ability which worked to my advantage during my placement. The placement coordination team has been a very big support. I have been placed in US Technologies while I amin the Sixth Semester which has boosted my confidence and performance.

Ankita Ahuja
(CSE1,V1)

The Annual Day and Prize Distribution Function :

A colorful cultural evening made the Annual Day Function held on 27th February 2007 an event that will go down in the annals of Dronacharya College of Engineering. Significantly, the Annual Day Function coincides with the Founders' Day which definitely doubles its exuberance, glory and gorgeousness. The campus was given a bridal look. The arrays of multicolored lights vied with the star-spangled sky creating an enviable ambience for audience comprising of distinguished guests, parents, students and staff.

The entire staff of the college was deeply involved to make the programme a scintillating success, adding a new chapter to the history of the college. Dr Satish Yadav, the dynamic Chairman of the college, extended heartiest welcome to the guests and parents and acquainted them with the amazing development of the college on academic, placement and co-curricular fronts.

The cultural evening was marked by lilting music, classical and western dances and dramatics. The panoramic programme was a fascinating feast both for the eyes and ears of Guests, parents , students and staff who enjoyed every moment and appreciated the peerless performances of budding artists. The audience seemed like singing:

If music be the food of love,
Play on, play on and on till dawn.

Hon'ble Chief Guest, **Shri Ranjiv Singh Dalal**, I.P.S , Director General of Police, Haryana, in his address paid glowing tributes to the Management, Principal,faculty and staff for amazing, commendable and unprecedented progress of the college in a span of almost a decade .

The Chief Guest gave away cash prizes , certificates and trophies to the meritorious students .Besides this, the best faculty of every Department of the college were also awarded and **Prof. Onkar Singh** of the Department of E.C.E. was given the **Alround Best Faculty Award** for the **session 2006-2007**.

The function concluded with vote of thanks followed by a sumptuous dinner for all.