"If you want to walk FAST, walk Alone. But if you want to walk FAR, walk TOGETHER."

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FOREWORD:

I take this opportunity to congratulate the team of editors for releasing the second news letter. Department of IT has taken small but concrete step towards progress. Sticking to our mission and vision we were able to conduct various activities in our department which would enhance the capability of students not only in academics but also in extracurricular activities. Students of our department bagged trophies in sports, cultural, academics at inter & intra college events. New edition to this news letter is the TECH NEWS where we will be exploring technological advances, research areas etc.

Efforts taken by Staff and student editor are commendable. I am confident that the department will achieve excellence in various fields academic as well as extra curricular by successfully putting in all the efforts.

- **Mrs. SUNITA JADHAV**

ABOUT THE DEPARTMENT:

SCOE, IT Department is committed to actively raising the quality of education for every student. IT Department wants all budding software engineers to achieve their full potential. Our task is to make it possible. Our mission is to provide practical, step by step assistance. And here at IT Department, we are continuously progressively working on it.

ACTIVITIES CONDUCTED BY I.T. DEPARTMENT:

1) INDUSTRIAL VISIT(9th & 11th Mar 2010):

Industrial Visit for SE IT was held at **Reliance Knowledge Centre**, located at Dhirubai Ambani Knowledge City, Koper Khairane, Navi Mumbai. Industrial Visit started with the introduction and history of Reliance Group. It was followed by a session detailing about **NNOC (National Network Operation Centre)** where hundreds of employees are continuously monitoring the status of RCOM network across India and sorting the issues promptly on call.

Next in slot was the presentation by **Mr. Jagdish** on **Telecom Sub -Sea Cable**. This presentation covered minute details ranging from components of optical fiber till how fault inside sea bed is detected and rectified. At last a presentation on Call Centre was arranged. Presentation briefed on basic functions of Call Centre and what add on features, facilities and customer support services provided by Reliance Call Centre.

2) WIRELESS TECHNOLOGY(15th Apr 2010):

Seminar on **Wireless Technology** was conducted by **Mr. PamuKumar Swamy** working with NewTech Computer Systems. He has **15+ years** work experience on **Networking**.

Seminar started with the types of Wireless Technology and why is it preferred over UTP. Sir briefed on the frequency bands and Standards for Wireless Technology. Wi-Fi was discussed in more detail. Evolution of WLAN gave deeper insight about basics of Wireless Technology. Applications of Wireless Technology made us familiar to the use of Wireless Technology in day today electronic devices; viz. Security Systems, TV Remote Control.

Live Demo on Wireless Network Connection over 2 laptops was more enriching in terms of practical knowledge. Issues related to Installation and Site design were discussed in detail. Seminar ended with concern regarding Heath Issues caused by Wireless Technologies.

3) TARAANGAN:GALAXY OF TECHNOSTARS:

Department of IT has taken initiative in releasing first Annual College Magazine: **Taraangan: Galaxy of TechnoStars**. Commendable efforts were made by faculty members to bring College Magazine into reality.

EXPANSION OF IT DEPARTMENT:

Teaching Staff of IT Department got expanded by 4 more faculties. Below is the brief introduction about them:

1) **Mrs. Anuradha Dandwate** has done **MTech** in **Electronics and Telecommunication**. With a vast experience of **9.6 years** she has developed expertise in **VLSI**. She has been actively attending STTP and Workshops on varied topics ranging from Image Processing, VLSI till CCNA,NGN. She has presented a paper on Orthogonal Frequency Division Multiplexing at National Conference.

2) **Mrs. Neha Mahajan** has appeared for ME in Electronics and Telecommunication. She has a total of **5 years** work experience. Her expertise lies in **RADAR and Networking**. She has been part of numerous Workshops and Seminars. And has presented Paper in National and International Conferences. **PCB Assembling and Manufacturing related process** are her topics of interest.

3) **Ms. Pushpa Ambhore** completed her graduation **in BE Computers**. She has **4 and a half years** teaching experience. **Web Technology** is the subject that excites her.

4) **Mrs. Pragati Pejlekar** has done **BE** in **Computers**. She has a work experience of **4 years**. Her areas of interest include **C, Java and Computer Graphics**.

IT Department heartily welcomes all of them.

QUALITY IMPROVEMENT PROGRAMME (QIP) ATTENDED BY FACULTY:

1) **Mrs. Sunita Jadhav** completed Workshop on **Trends in Secured Networking Internet and Cyber Law.** She attended **Workshop** on **Audio content analysis and retrieval of music information** held at **IIT Powai**.

2) **Mrs. Bharti Joshi** attended **Orientation** on **Software Testing** at **Terna Engineering College, Nerul**.

3) **Mrs. Shilpa Kolte** was a part of **Orientation Program** on **Middleware Technologies**. She also attended **National Level Workshop** on **Networking Technologies and Mobile Computing**.

4) **Mrs. Anuradha Dandwate** attended workshops on **RF & Microwave Engineering**. She also participated in **Workshop** on **Vision 06**.

5) **Ms. Neeraj Khairwal** attended **Workshop** on **ASP.net**.

6) **Mrs. Bharti Joshi, Mrs. Shilpa Kolte, Mrs. Anuradha Dandwate, Mrs. Neha Mahajan, Mrs. Pragati Pejlekar** and **Ms. Pushpa Ambhore** attended **STTP on Technical Teacher's Training Programme**.

STUDENTS ACHIEVEMENT:
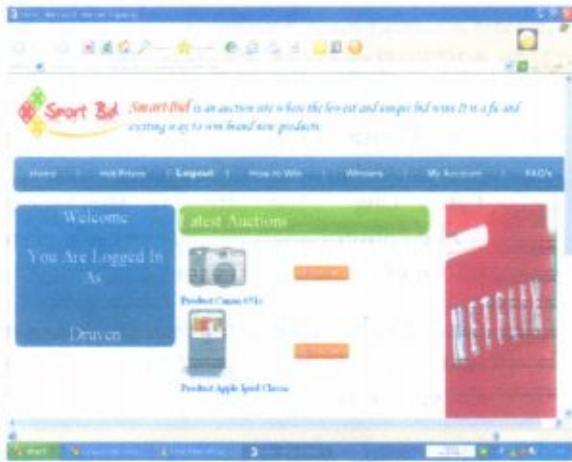
1) WEB DESIGNING (27th Mar 2010):

Winner: Druven Mehta (TE-IT)

WebSpectrum was the web designing contest which was held as a part of the Wings, a **NATIONAL LEVEL FESTIVAL** of Government College of Engineering, Aurangabad. The top 30 selected contestants were given a time of 3 hours to build a website based on the abstracts they had submitted.

The web site designed by Druven Mehta is SmartBid. SmartBid is a reverse auction website designed for Cell Phones.

Technologies used to Design Website:
i) Client Side Scripting: HTML, JavaScript
ii) Server Side Scripting: JSP
iii) Database: MS Access

2) CYBER SECURITY AND DIGITAL FORENSIC:

3) TOPPERS:

4) NAKSHATRA 2010 (10th Oct 2009):

Students from IT Dept bagged awards in various events conducted during Nakshatra 2010.

i) **Druven Mehta** undoubtedly grabbed 1st prize in **Web Designing**.

ii) **Sayali Sawant** won 1st prize in **Solo** Dance

iii) **Shaista Ansari** won 2nd **Prize** in **Mehandi Competition.**

iv) **Sayali Sawant & Ankita Shinde** were part of SAGASS Dance group which grabbed 3rd prize in **Group Dance**.

SOME OF THE FORTHCOMMING EVENTS:

i) LINUX Lab Workshop

ii)

iii)

iv)

v)

vi)

TEA MANUFACTURING:

I) Cutting Tea leaves from tea garden

Earlier tea leaves (buds- three leaves) were picked manually by hands. Now a days small cutter are used by humans to cut the top three leaves

II) Withering

Fresh tea leaves from tea garden dumped on net below which hot air is blown so that leaves are dried to some extent. Withering is a process in which leaf looses moisture and turns to flaccid from turgid. Fresh hot, cold air from fan is used to wither the leaves These leaves are kept for few hours.

III) Rolling

During rolling the leaf is rolled , twisted applying appropriate pressure. Juice from the leaf comes out and spreads as thin film on their surface. Thus the leaf cells are ruptured and their contents are brought in contract with air to star chemical changes for manufacturing black tea.

IV) Roll breaking

Roll breaking is done to separate well twisted fine bulk from untwisted big bulk which is to be charged for next rolling. Here small particles will pass through mesh and big bulk will go for next rolling

V) Fermentation

After rolling fermentation is done where rolled leaves leaves their greenish color and acquire coppery red color. Clean bacteria free cement floor if preferred for fermentation. It takes three to four hours for fermentation.