

June 2016

TechNews

Edition-Academic Year 2015-16 Issue II MCA Department

From the Principal's desk:

The aim of the institute is to develop not just top quality engineers but also well-developed persons. Our motto therefore is "the joy of excellence in a world of high technology" My congratulation to our MCA Department for their consistent efforts in making newsletter from last year and I wish that they will continue to do this in the years to come.

Dr. Mrs. K. R. Joshi

From the HOD's desk:

It's a great pride to present our Master of Computer Application Department's "Tech News", our very own newsletter which includes different activities conducted by MCA department, articles and achievements of the students. My congratulations to the team who took the responsibility for carrying out his task effectively

Prof. Dr. Mrs. V. B. Sangvikar

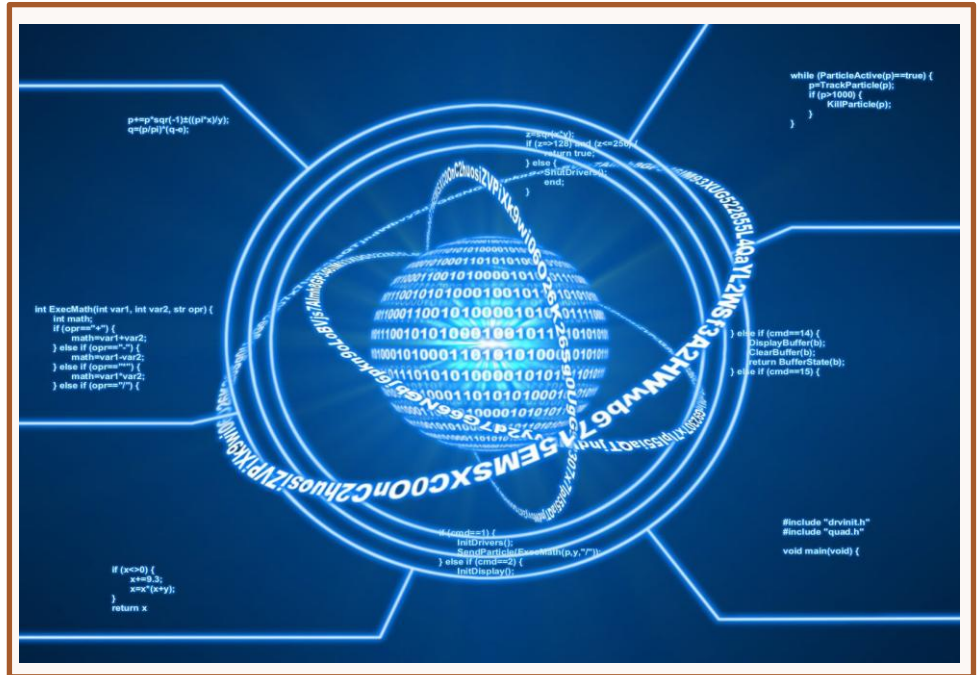
From the Editor's desk:

It is with great pleasure that I bring forth the second edition of E-buzz. It has been a true learning experience, and I wish to place on record the appreciation of excellent work being put in by our student and staff editorial team.

Ms. Pradnya A.Muley

About The Department :

The department of Master In Computer Application (MCA) has been started in the academic year 2003-04 and is permanently affiliated to Savitribai Phule Pune University and recognized by AICTE and DTE. The mission of the department is to contribute to the growth of technical education and to lead to its enrichment and advancement. Create and disseminate knowledge by constituting a scholarly community focused on research and education in the area of Computer Science. Our programme equips our students to be competitive, to succeed in their profession, and to contribute to society. To ensure this, with the able guidance of our Principal Prof. Dr. Mrs. K. R. Joshi the department conducts various National, State level Seminars under Quality Improvement Program.



Record-breaking logic gate 'another important milestone' on road to quantum

Researchers at the University of Oxford have achieved a quantum logic gate with record-breaking 99.9% precision, reaching the benchmark required theoretically to build a quantum computer.

Quantum computers, which function according to the laws of quantum physics, have the potential to dwarf the processing power of today's computers, able to process huge amounts of information all at once.

The team achieved the logic gate, which places two atoms in a state of quantum entanglement and is the fundamental building block of quantum computing, with a precision (or fidelity) substantially greater than the previous world record. Quantum entanglement -- a phenomenon

described by Einstein as 'spooky' but which is at the heart of quantum technologies -- occurs when two particles stay connected, such that an action on one affects the other, even when they are separated by great distances. 'An analogy from conventional computing hardware would be that we have finally worked out how to build a transistor with good enough performance to make logic circuits, but the technology for wiring thousands of those transistors together to build an electronic computer is still in its infancy.'

The method used by the Oxford team was invented at NIST in Boulder, USA, and, in a paper published alongside Oxford's in Physical Review Letters, the NIST team also reports the achievement of 99.9% precision.

(Source-SCIENCE DAILY Aug 2016)

Department Vision

To develop Competent Technocrats in the field of Computer applications imbued with

Department Mission

To impart knowledge in the field of Computer applications for successful career in Industry

To improve technical skill of the students through practical and hands-on experience.

To enhance the quality of the students by collaboration with Alumni and Industry.

To provide a social environment which molds the students to become Professionals enriched with innovative skills to render it in social context.

PEOS Of The Department

- 1] The broad knowledge of computer applications for successful careers in industry
- 2] The habit of lifelong learning for career for career development in this dynamic and rapidly changing field.
- 3] The ability to inculcate effective communication in the team through demonstration and implementation skills.

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Alumni Meet

Day & Date: Saturday, 09/01/16

Time: 9.30 am to 01.30 pm.

Venue: Room No. 330, Seminar Hall.

Speaker : Alumni

Objectives:

- To well aware with the alumni with follow members.
- To make alumni be in touch with the department as well as institute.
- To share the knowledge and experience of the alumni with follow members.

Level : Departmental Level.

Summary Report : Department has organized alumni on Saturday , 9th January 2016. Ten alumni were present for this meet. Along with the speeches of HOD and TPO, knowledge sharing session was also conducted for current students by the alumni. Five alumni had shared their view regarding industry requirement viz. working culture in industry, knowledge requirement, team management, soft skill etc also importance of lab and theory assignments. Current students had enjoyed this knowledgeable sessions. Very sportingly all the alumni were participated in various games arranged for them. With lunch the meet gets over.

Outcomes : During this session

Participants learned about:

- Importance to Soft Skill in industry.
- Working culture in Industry.

Co-ordinator : Mr. Shripad Bhide

Swachhata Abhiyan

Day & Date : Saturday ,09/01/2016

Level : Departmental

Objective : To encourage the student for Swachhyata. Taking ahead the legacy and responding to the Nation's call.

Summary report

“SWATCHATA ABHIYAN” started in MCA Dept. on 09/01/16. Taking ahead the legacy and responding to the Nation's call by the Hon'ble Prime Minister, Mr. Narendra Modi. The Abhiyaan was formally inaugurated by –Dr. Prof. Vaishali Sangvikar, HOD of MCA Department.

Significantly, the Abhiyaan started from the Volunteer of SYMCA

Volunteers-

Mukund Solanke, Nilesh Khune, Vaibhavi Kakade, Dharmi Shah
Rutika Lonkar, Satyajeet Mali, Priyanka Kashid.

The Faculty, Nonfaculty members, Sweeper, Peon of MCA Dept, was also participated.

The “Swachhata Abhiyaan” is organized under the guidance of - Prof. Mrs. Rama S. Bansode, Aast. Prof. MCA Dept.,

All Faculty members ,Volunteers, Students working to make this Abhiyaan Successful.

Outcomes :

During this session Participants learned about:

- Importance of Swachhyata
- Learn about Cleanliness.

Co-ordinator : Mrs. Rama S. Bansod



SEED IT Idol

Day & Date: Saturday ,16/01/2016

Time: 11.00 am to 12.00 am.

Venue: Room No.325, Department of MCA.

Objectives: To encourage the students to solve the multiple choice questions.

To test the knowledge of the students in C and C++.

Level: Departmental

Summary report: Seed IT Idol Test was arranged for FY and SY Students. Total 24 students of SYMCA and 53 of FYMCA were present for the test.

Outcome: Students were encouraged by solving multiple choice questions.

Participant Certificate were issued to the students.

Name of coordinator: Mrs. Pratibha Adkar



-SEED IT Idol-

Soft Skills and Interview Techniques Training Program

Day & Date: Saturday, 23/01/2016

Level: Departmental

Objective:

- Develop effective communication skills (spoken and written) and presentation skills.
 - Conduct effective business correspondence and prepare business reports which produce results.
 - Become self-confident individuals by mastering inter-personal skills, team management skills, and leadership skills.
- Summary report:** MCA-I,II,III Year students are attended this session for Develop broad career plans, evaluate the employment market, identify the organizations to get good placement, match the job requirements and skill



-Guest Lecture on HTML5 Soft Skills and Interview Techniques



#Trending-

The Internet of Things, or IoT, could be one of the most sweeping technological changes of our lifetime, and it's getting a lot of attention from analysts and the press. In a nutshell, IoT involves installing chips, sensors, and software in a wide variety of objects and then connecting those objects to the Internet. The connected objects might include home appliances, wearable devices, vehicles, thermostats, locks or even small adhesive tags that could be used to track anything.

Guest Lecture on HTML5

Day & Date: Saturday, 29/01/2016

Level: Departmental

Objective: To get awareness of HTML5
To study importance of HTML5 in corporate sector.

Summary report: Guest lecture on HTML5 was arranged for SY students. Total 41 students
28 from SYMCA and 13 from FYMCA were present for the lecture.

The resource person was:

Name of the resource person- **Mr. PRAVIN DAVE**
Designation-Trainer

Name of the Organization- **SEED INFOTECH**

Outcome: Students understood the concept and importance of HTML5 in corporate sector.

Name of Coordinator: Mrs. Pratibha Adkar

SANKALP Test on C Programming

Day & Date: Saturday, 29/01/2016

Level: Departmental

Objective: To get awareness of aptitude test of C programming

Summary report: Sankalp test was arranged for FY and SY students. Total 34 students
22 from SYMCA and 12 from FYMCA were present for test.

Outcome: Students got awareness about aptitude test.

Name of Coordinator: Mrs. Pratibha Adkar

sets.

The resource person was:

Sr. No.	Name of the resource person	Freelancer
1.	Mr.Gaurav Ambedkar	Freelancer

Outcome: i) Develop all-round personalities with a mature outlook to function Effectively in different circumstances.

ii) Students were identify the organizations to get good placement, match the job requirements and skill sets.

Name of Coordinator: Mr. Prakash Kene

SPANDAN:The Annual Gathering 2016

Day & Date : Monday, 08/02/2016

Objectives: To represent the Indian culture and our traditions through the various performances by the students. Students performed group dance on different states of India to show the unity in Diversity of our country. Skit /Drama also were presented by all students. It enhanced the hidden talents of all students in co-curricular activities.

Level : Departmental

Summary Report : Total 50 students participated in this activity from MCA department. For MCA Department the theme was Rajasthani culture. The students of MCA department presented the Rajasthani culture by performing the group dance. Also the students of MCA Dept. presented a musical skit/Drama. Through this activity the hidden skills of the students are explored. Their confidence level is enhanced, communication skill, group activity, stage courage is developed. Outcome: Students learnt :“Unity in Diversity”, integrity, Team work.

Name of the coordinator : Mr. Puranik Y

Visit to Shreevatsa Sanstha(Orphanage Institute)

Day & Date: Saturday.05/03/16

Time: 10.30 am to 12.30 pm.

Venue: Sasoon Hospital

Student Coordinators:

- Mr. Rakesh Ayanchi
- Mr. Hitesh Lakhan
- Mr. Vivek Urane
- Ms. Rashmi Sherkar
- Ms. Ashwini Chavan

Objectives:

- To observe the life of an orphanage children's.
- To donate food items toys to an orphanage children's .
- To seek to their needs and general well being.
- To provide them with basic medical care free of charge.

Level: Departmental Level.

Summary Report: MCA Department has organized a visit to Shreevatsa Sansatha (A special child care centre run by SOFOSH was established in the year 1973) on the said date along with the above mentioned staff and student volunteers. Shreevatsa offers a loving home and hope to family deprived children from the age of new born to 6 years. There are 48 students at present living under one roof. The various sections are provided for children's as per their ages. Children here are well looked after and provided with healthy and nutritious food along with additional supplements. The medical need of each and every child is also the responsibility of the institution and this is shouldered by able team of doctors and nurses. As a part of social activity we had visited to this institute and donate them various medicines and food items and spent some time with them to make them happy.

Outcomes:

- Students understood a sense of social responsibility and self independence.
- Students offered a helping hand to them in the form of donation.
- Students decided to spend their special moments with them to make them happy.

Name Of Co-ordinator: Ms. Netraja C. Mulay And Mr. Prakash Kene.

TYMCA Students Farewell

Day & Date : Saturday, 2nd April 2016

Objectives: To give the Farewell to Final year MCA Students.

Level : Departmental

Summary Report : Total 120 students participated in this activity from MCA department.

The students Registered firstly and collected lunch coupons. The chief Guest Mr. Srinivas Rao was invited for this event to address the students. Dr. Vaishali Sangvikar, HOD MCA along with all the staff members of the Dept. were present for this event. The SYMCA & FYMCA students organized this event. All the students of TYMCA were given a gift as a token of Memory. The Lun was organized by the college.

Outcome: Student remembered this event for the lifetime.

Name of the coordinator : Mr. Puranik Y.



#Technews

Adaptive security

As cyberattacks against large companies continue to succeed with alarming regularity, it is becoming apparent that the existing security measures at most enterprises are inadequate to keep up with the rapidly evolving nature of attacks. Gartner recommends that organizations move to an “adaptive security” model that uses predictive analytics to anticipate where attackers will strike next.

According to Gartner, “Relying on perimeter defense and rule-based security is inadequate, especially as organizations exploit more cloud-based services and open APIs for customers and partners to integrate with their systems.” The research firm said that adaptive security will be one of the top 10 strategic technology trends for 2016 and added, “Application self-protection, as well as user and entity behavior analytics, will help fulfill the adaptive security architecture.”

(Source-SCIENCE DAILY Aug 2016)



M-PULSE 2K16 (M-TECHNOPHILIA)

Day & Date: Friday 18th March 2016
Saturday 19th March 2016

Time: 9.00am to 4.00pm

Venue: MCA Department Modern
College of Engineering

Objectives:

- To bring the students of different streams from various institutes on a common platform.
- To showcase their innovative ideas.
- To bring out the talents of the students co-ordinators, volunteers who carried out the event.

Level: Departmental Level

Summary report:

M-Pulse a technical event of P.E.S Modern College of Engineering. For the academic year 2015-2016 the M-Technophilia 2K16 held under M-Pulse 2K16 was celebrated in MCA Department with the same enthusiasm and determination among the new set of student coordinators, student volunteers and faculty coordinator during March 18th-19th 2016. Students from other colleges and from our college(MCOE) had participated in this technical event. The event was successful enough to attract 23 participants from other college and 38 participants from our colleges. The fest executed with the total of 16 events held under M-Technophilia 2K16 The various events held under M-Technophilia 2K16 were:

- **Dark C'igth**
- **Dig D Bug**
- **Java Knight**
- **Tech Quiz**
- **Paper Presentation**
- **Website Designing**

There were total 2 winners for 5 events and 1 winner for paper presentation. The total number of winners from all the 6 events were 11.

Outcome:

During the technical event the students who were working as student co-ordinator learned

- How to organize the event.
 - How to co-ordinate with various students.
 - How to speak with other person for marketing and advertising the event.
- The students who had participated in the events were:
- Able to showcase their talents.

Name of coordinators:

- 1) **Mukund Solanke**
- 2) **Rashmi Sherkar**
- 3) **Sneha Patil**
- 4) **Harish Sablani**



Industrial Training (IT) Project Exhibition(2015-16)

Day & Date: Saturday, 09/04/2016

Level: Departmental

Objective: To allow the student to study the feasibility of implementing project.

To understand the project planning, studying existing system, tools available and state of art, software testing procedures and technology with use of case tools.

Summary report: Total 14 students are short listed from internal project guide on the basis of Project scope, knowledge of the system, project diagram, Problem analysis. Best 3 Projects are short listed from that by the Guest/ Resource person.

The resource person was:

Sr. No. 1.
Name of the resource person-
Mr. Avinash Pathak
Designation
Director
Name of the Organization
Dhanpra Technologies

Outcome: Best three Projects students by the Guest/ Resource person are:

1. **Ms. Rashmi Sharma, Ms. Pranita Kambale**
2. **Mr. Ankur Khairatkar, Mr. Abhilash Deshmukh**
3. **Ms. Poonam Kothari**

Name of Coordinator: **Mr. Prakash Kene**

#From The ediTor's desk

It is my pleasure to write as the editor of the II issue of the MCA Department Newsletter. I am thankful to Prof. Pradnya Mule for giving us an opportunity to rejuvenate and re-establish the newsletter series. I am also thankful to the assistant editors of "The Department Editorial Board*" who took up the challenge of making the newsletter. The newsletter is launched with the objective of dissemination and compilation of information related to the department. This reintroduction of the newsletter will give an opportunity to the faculty and the students to craft and showcase their knowledge and skills.

I would like to thank those student who directly or indirectly helped me in this context.

Mr. Mukund Pradip Solanke
TYMCA