



TECH

NEWS

P.E.S. Modern College of Engineering
MCA 2017-18 Issue II

About us

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 since last 3 years 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

-Dr. Mrs. V. B. Sangvikar

From the Editor's desk:

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.

Department Vision

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

Department Mission

- To impart knowledge in the field of Computer applications with a focus on developing the required competencies.
- 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 Make students socially responsible

Department P.E.O's

PEO 1: The broad knowledge of computer applications for successful careers in industry.

PEO 2: The habit of lifelong learning for career development in this dynamic and rapidly changing field.

PEO 3: The ability to inculcate effective communication in the team through demonstration of good analytical, design, development and implementation skills.

Program Outcomes (PO's):

After completing MCA degree student will be able to:

- PO 1:** Apply knowledge of mathematics, computer science appropriate for real world applications.
- PO 2:** Identify, formulate, analyze and solve complex computing problems using relevant domain disciplines.
- PO 3:** Design and evaluate solutions for *complex* computing problems that meet specified needs for real world applications.
- PO 4:** Apply programming logic including design of algorithm, programs, analysis and interpretation of data to provide valid solutions
- PO 5:** Apply appropriate techniques and modern computing tools for development of real world applications.
- PO 6:** Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practices.
- PO 7:** Understand the need and develop the capacity to persistent learning for continual development as a computer professional.
- PO 8:** Participate as a member and leader in a team and stand out in multidisciplinary environments to demonstrate computing and management skills.
- PO 9:** Communicate effectively to comprehend and present effective technical Documentation.
- PO 10:** Apply the computing knowledge efficiently & effectively with concern for societal, environmental, and cultural aspects relevant to professional computing practices.
- PO 11:** To contribute effectively as an individual and as a member or leader in diverse teams and in multidisciplinary environments.
- PO 12:** To identify a timely opportunity and innovation with entire effort to function as a successful entrepreneur.

Departmental Activities(Technical and co-curricular)

Title of activity : C Programming Aptitude Test
Held on :
 Saturday,30/12/2017,11.00 to 12 a.m.



Objective :
 To get practice for placement.
Facilitator and Beneficiaries:
 Mrs. Pratibha Adkar, MCA II Year Students.
Brief description of activity:
 C programming objective test was conducted for II year students Total 19 students were present for the test.
Name of coordinator:
 Mrs.Pratibha Adkar

Title of activity : Guest Lecture on Spring, Hibernate
Held on :
 Saturday 6th January 2018 11.00 a.m.



Objective :
 To introduce students with Spring, Hibernate.
Facilitator and Beneficiaries:
 Mr. Pankaj Rathi, SY MCA Students
Brief description of activity:
 The lecture was based on the Spring concepts Pankaj Sir covered the topics as Basics of JAVA, Introduction to Spring, Usage of Spring, Spring Framework, What is Injection Concept.
Name of coordinator:
 Mrs.Pratibha Adkar

Title of activity : Centralised Alumni Meet (First 5 Batches)
Held on :
 Saturday, 13/01/18,9.30 am to 01.30 pm



Objective :
 To get awareness with the market and industrial needs.
Facilitator and Beneficiaries:
 Alumni, SY students
Brief description of activity:
 College has organized centralized alumni meet on Saturday ,13th January 2018. Near about 30 alumni of our department were present for this meet.
Name of coordinator:
 Mr.Shripad Bhide

Title of activity : Android Workshop
Held on :
 Saturday, 4th February,2018,10.00 a.m.



Objective :
 To Enhance the knowledge of Android.
Facilitator and Beneficiaries:
 Dr. Nilay Karade, FY and SY Students
Brief description of activity:
 One day workshop was organized by department for FY and SY students total 81 students were present for workshop following points were discussed in workshop.
Name of coordinator:
 Mrs.Pratibha Adkar

Title of activity : Seed IT Idol Test
Held on :
 Saturday 10/02/2018,10.00 a.m. to 11.00P.m.



Objective :
 To test the knowledge of the students in C and C++ and Fundamental computers.
Facilitator and Beneficiaries:
 Mrs. Pratibha Adkar FY,SY Students
Brief description of activity:
 Seed IT Idol Test was arranged for FY and SY Students. Total 86 students were present for the test. All students issued participation Certificates from Seed Infotech. 4 Students received Gold medal in second Round.
Name of coordinator:
 Mrs.Pratibha Adkar

Title of activity : Parent Meet
Held on : Saturday 10th Feb 2018



Objective :
 -To convey department vision and mission to parent.
 -To convey parent the performance of ward.
Brief description of activity:
 MCA Department has organized a Parent Meet on the said date along with the staff.As a part of academics we had organized this meet and discuss the progress of department with to make them satisfy.
Name of coordinator:
 Mrs. Swati D. Ghule

Title of activity : Parent Meet II
Held on : 10-March-2018



Objective :
 -To convey department vision and mission to parent.
 -To convey parent the performance of ward.
Brief description of activity:
 MCA Department has organized a Parent Meet on the said date along with the staff.As a part of academics we had organized this meet and discuss the progress of department with to make them satisfy.
Name of coordinator:
 Mrs. Swati D. Ghule

Title of activity : Spandan 2018- Annual social gathering Function of the college.
Held on :
 Friday,19/1/2018, 9.30 AM, Ganesh Kala Krida Manch Swargate Pune



Objective :
 To give a platform to MCOE students for exploring their cultural skills.
Brief description of activity:
 Various events such as dancing, singing, acting, poems,one act play Departmental performance, theme based programs, various competitions are organized for the students.
Name of coordinator:
 Prof. Yogeshchandra L. Puranik

Departmental Activities(co-curricular and extra curricular)

Title of activity : Guest Lecture on Working of Networking in Industry
Held on : Saturday 10th February 2018



Objective :
 To introduce students with how Networking done in industry
Facilitator and Beneficiaries:
 Mr.Sunil Kalekar, SY Students
Brief description of activity:
 This guest lecture was organized for MCA student by MCA Department on said date along with the above mentioned Speaker. The lecture was based on the Networking concepts.
Name of coordinator:
 Mrs.Pratibha Adkar

Title of activity : Introduction and Carrier opportunity in PHP
Held on : Saturday 24th February 2018



Objective :
 -To brief students designing PHP application.
 -To introduce Carrier opportunity in PHP
Facilitator and Beneficiaries:
 Mrs.Anuradha Jahagirdar SY students
Brief description of activity:
 The Lecture was based on the PHP technology. Anuradha madam covered the topics as: Introduction to PHP, Uses of PHP, Difference between PHP and other technology, How PHP helps in development ,Career in PHP in India, Companies that provide jobs in PHP. Total 40 students were present for the lecture.
Name of coordinator:
 Mrs.Pratibha Adkar

Title of activity : Farewell Function of TYMCA students.
Held on : Saturday, 07/4/2018



Objective :
 To give farewell to TYMCA students.
Facilitator and Beneficiaries:
 Gaurav Ambedkar ,FY,SY,TY Students
Brief description of activity:
 Mr. Brahmanand Phatak from Aloha Technologies and Mr. Gaurav Ambedkar were invited as the chief guest for the function. Dr. Vaishali Sangvikar, HOD, MCA Dept was the chairperson for the Program. Mr. Brahmanand Phatak and Mr. Gaurav Ambedkar gave the valuable guidance about how to crack the interviews for jobs and how to survive in the IT field today.
Name of coordinator:
 Prof. Yogeshchandra L. Puranik

Title of activity : Visit to I-Medita – CISCO Training Company.
Held on : Monday, 12th February 2018



Objective :
 -To enhance interest in networking.
 -To give students hands on experience of various networking devices.
Facilitator and Beneficiaries:
 Mr. Piyush – Team Leader, SY students
Brief description of activity:
 The session commenced with an introductory seminar focused on the courses they provide like various exams that are organized by Cisco. The seminar included information about how the various types of cables, used in networking, are spread over the globe.
Name of coordinator:
 Mr. Shripad Bhide

Title of activity : Information Security in Computer Networks.
Held on : Saturday, 10th March 2018



Objective :
 -To make familiar with information security in industry.
 -To get acquainted with current openings in network security.
Facilitator and Beneficiaries:
 Mr. Swapnil Zalki, SY students
Brief description of activity:
 Mr. Swapnil is an experienced person in information security management in networking. He shared about Information Security, types of attack, Cryptographic algorithms, different protocols and Secure Socket Layer etc.
Name of coordinator:
 Mr. Shripad Bhide

Title of activity : Industrial Training (IT) Project Exhibition.
Held on : Saturday, 21/04/2017



Objective :
 Major objective of organizing this exhibition was to provide the platform of the students by showcasing their innovative projects developed in the Final Year either as Industry Defined Problem or User Defined Problem and provide an opportunity for the students to demonstrate their learning experience.
Facilitator and Beneficiaries:
 Alumni and TYI TYII students
Brief description of activity:
 All MCA-III students are participate in project exhibition from internal project guide on the basis of Project scope, knowledge of the system, project diagram, Problem analysis.
Name of coordinator:
 Prof. Yogeshchandra L. Puranik

Title of activity : Technical Competition M-Pulse 2018
Held on : Saturday 17/02/2018



Objective :
 -To bring the students of different streams from various institutes on a common platform.
 -To showcase their innovative ideas.
Facilitator and Beneficiaries:
 MCA I,II Year Students
Brief description of activity:
 M-Pulse a technical Fest of P.E.S. Modern College of Engineering. For the academic year 2017-18 M-pulse was organized by MCA Department with three different Events named Blind Coding, Web Arena & Techno-quiz. Competition was organized with the high enthusiasm and determination.
Name of coordinator:
 Mrs. Pradnya Muyle

Title of activity : Guest Lecture on LINQ Technology.
Held on : Friday, 16th March 2018



Objective :
 Awareness on Technology and Training courses and future career roadmap.
Facilitator and Beneficiaries:
 Mr.Avinash Pathak
Brief description of activity:
 This session will specifically focus and is specially designed for MCA, for make their academic degree more competitive and more job oriented when they pass out and go to market.
Name of coordinator:
 Mr.Prakash Kene

All Activities mentioned above were performed under the guidance of :

Dr. Prof. Mrs. V. B. Sangvikar
 (Head of the Department of MCA)



Artificial Intelligence threatens to Devastate jobs in developing world

Artificial intelligence is dramatically accelerating the automation of factories and taking over routine tasks such as customer service or telemarketing.



In recent decades, China and India have presented the world with two different models for how such countries can climb the development ladder. In the China model, a nation leverages its large population and low costs to build a base of blue-collar manufacturing. It then steadily works its way up

the value chain by producing better and more technology-intensive goods. In the India model, a country combines a large English-speaking population with low costs to become a hub for outsourcing of low-end, white-collar jobs in fields such as business-process outsourcing and software testing. If successful, these relatively low-skilled jobs can be slowly upgraded to more advanced white-collar industries.

Artificial intelligence is dramatically accelerating the automation of factories and taking over routine tasks such as customer service or telemarketing. AI does such jobs cheaper than the low-wage workers of the developing world and, over time, will do them better. Increasing desperation in the developing world will contrast with a massive accumulation of wealth among the AI superpowers. AI runs on data and that dependence leads to a self-perpetuating cycle of consolidation in industries: The more data you have, the better your product. The better your product, the more users you gain. The more users you gain, the more data you have. Artificial Intelligence is now challenging human abilities. With their performance and efficiency this condition can threaten human jobs.



Oracle forges a Java microservices Framework

The Helidon framework supports the MicroProfile technology and is intended to make it easier to develop microservices.



Oracle has introduced Project Helidon, an open source microservices framework for Java. Helidon features a collection of Java libraries for writing microservices that will run on a web core powered by the Netty network application framework. The project also includes Helidon Reactive WebServer, which provides a functional programming model to run on Netty. Cloud application development is supported, along with health checks, metrics, tracing, and fault tolerance. Oracle said that although it is already possible to build Java EE (Enterprise Edition) microservices, it is better to have a framework designed for this purpose. The intent has been to build lightweight libraries that do not require an application server and can be used in Java SE (Standard Edition). Although these libraries can be used separately, when used together they provide foundations for microservices creation, including security, configuration and a web server.

Student Achievements

Activities and Achievements Academic year 2017-18 Term II Student Achievements

- Preeti Dantakale from FYMCA was winner in seed infotech IT IDOL competition.
- Manoj Kumar from FYMCA was winner in M-pulse techno quiz.
- Chaitali Bhangade from SYMCA had received the achievers' special award in UDAAN.
- Rupankar Chatterjee from FYMCA was winner of sursargam singing competition.
- Shraddha Sandhanshive from FYMCA was winner of Spandan Dance competition.
- Pratiksha Pakire from FYMCA was winner of Spandan Dance competition.
- Gauri Bidwai from SYMCA had received 2nd prize in street play competition.
- Monali kengale from SYMCA had received 2nd prize in Rangoli competition.



Editorial Board



prof. Pradnya Muley
(Staff Co-ordinator)



Ajinkya S. Abhyankar
(Student Co-ordinator)

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