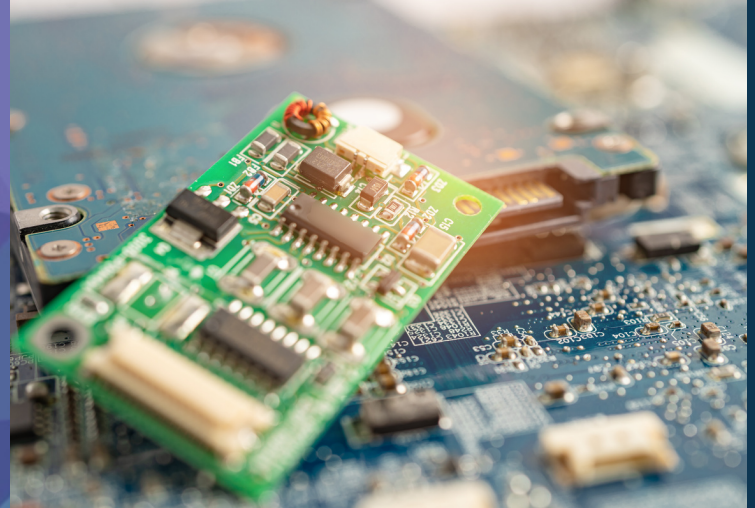


Big data finds Kubernetes

What most IT experts express as an extremely valuable asset in the IT sector, Big Data doesn't disappoint. The year began with major announcements in big data analytics and growth, such as making use of big data in banking and analysis on how it would change the IT industry. Big companies such as Google Cloud and Salesforce acquired companies for data analytics and visualisation shows the growing need for managing Big data.

Development in terms of technology indicates that the application of big data across cloud systems was joined by the use of Kubernetes. Originally designed by Google, kubernetes is an open source container- orchestration system that automates the deployment of applications. It has been of tremendous help to data engineering teams for micro services.

- By Radhika Udas



From foldable smartphones to electric two-wheelers, these were the tech newsmakers of 2019

-By Karan Bajaj ,2019,

2019 has been an eventful year for the tech industry from a variety of perspectives. Not only did we see innovations on the product side but there were big announcements made by brands on the technology and services side. Here is a quick roundup of some of the topics that became the talk of the town:

Foldable Smartphones – As a concept, foldable smartphones have been around for a few years. However, Samsung changed that concept into reality this year with it's the Galaxy Fold announcement and subsequent launch. This was the first-time consumers got their hands on a smartphone with a flexible display that could fold open/close as per requirements. Along with Samsung, Huawei and Motorola also announced their foldable smartphones this year. Sure, there were a few hiccups in the initial stage in terms of quality and durability but as a first attempt, these foldable phones were the hot topic of discussion.



NEWSLETTER TECH NEWS

OFFICIAL NEWSLETTER OF THE DEPARTMENT OF MCA

2018-19 TERM-II ISSUE-II

P.E.S. MODERN COLLEGE OF ENGINEERING , PUNE

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".

As professionals you are required to gain knowledge and use it effectively even when you are exposed to pressure. You can surely face the challenges in the world with great courage if you can manage your valuable time and set your priorities, by having healthy competition and team spirit. Working in a team, effectively yields best results, even under tight deadlines.

My congratulation to MCA Department for their consistent efforts in making newsletter and I wish that they will continue to do this in the years to come.

– Prof. Dr. Mrs. K. R. Joshi



From the HOD's desk:

It's a great pride to present our Master of Computer Application Department's e-Newsletter "TechNews", our very own newsletter which includes different activities articles and achievements of the MCA students. My congratulations to the team who took the responsibility for carrying out this task effectively

– Prof. Dr. Mrs. V. B. Sangvikar

From the Editor's desk:

It gives me an immense pleasure to present our biannual e-newsletter "TechNews" for the current semester. I would like to thank our HOD and my colleague's for their support in making of this issue. We have worked hard to bring up an exhilarating flashback of the events, achievements during the session 2018-19 Term II. I hope you find it interesting.

– Prof. Mrs. Pradnya A .Muley



About The Department:

The department of Master of 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. Our programme equips our students to be competitive, to succeed in their profession, and to contribute to society.

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 citizens.



PROGRAMME EDUCATIONAL OBJECTIVES AND PROGRAM OUTCOMES

Program Outcomes (PO's):

Programme Educational Objectives:

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.

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.



EVENTS BY THE DEPARTMENT 2018-19

CO-CURRICULAR

- Industry Readiness and Interview Techniques
January-2019
- Name Of Speaker: Mr.Anand Kulkarni



- Seed IT Idol Test
January-2019



- Pariksha Pe Charcha by Prime Minister Shri Narendra Modi
January-2019



- Guest Lecture on Big Data and Business Analytics.
January-2019
- Speaker: Ms. Shreya Pal, Engineering Head, India, SAAMA



- Guest Lecture on Collection Classes
January-2019
- Speaker: Ms. Pooja Dalimbe, FY MCA Students



- Guest Lecture on Setting up of a distributed database.
February-2019



- Parent Meet
February-2019



- Guest Lecture on Silverlight and Linq. March-2019
- Speaker: Mr. Avinash Pathak



- Awareness on cybercrime and security February-2019
- Speaker: Mr. Sagar Panmand, API Cyber Cell, Pune



- Guest lecture on IT in Banking Sector March-2019
- Speaker: Mr. Ravindra Joshi



- Industrial Visit February-2019
- Speaker: Mr. Sagar Panmand, API Cyber Cell, Pune



EVENTS BY THE DPARTMENTS 2018-19 EXTRA-CURRICULAR

- Alumni Meet January-2019
- Speaker: Mr. Ravindra Joshi



- फिलॉसॉफर्स क्लब - "स्वामीजींच्या स्वप्नातील युवक जानेवारी 2019



M-Pulse [M-Technophilia] 2019

- This year technical fest M - Technophilia, under M-Pulse 2019 was organized on 12th January 2019, which consisted of five different technical events namely Poster Making, Debate Competition, Code War, PC Treasure Hunt, CS Warrior.
- The inauguration of event was done by chief guest of Mr. Anil Sonkamble, an alumnus and currently working at Atos-Syntel Pvt Ltd. Pune. His expertise and experience was an excellent addition to the program. Mr. Anil shared his experience with students in his speech at valedictory session.
- One Winner & One Runner up were selected from each event.
Winners were awarded with a Cash prize and certificate of participation.



QIP Activity

State Level 2 Days Workshop on "Advanced Business Analytics using R"

- This workshop aimed to provide training of data analytics using the R programming. Mr. Amar Kumar, Data Analyst from Infosys inaugurated the workshop .
- Total 7 resource person from Industry were invited to talk during 2 days sessions. Participants learned about Big Data Analytics, Data Science & Business Intelligence. Hands on sessions on R language were conducted in Online laboratory wherein participants are trained R programming for Data Analytics.

- **Speakers:**

- Mr. Amar Kumar, Data Scientist , Infosys Limited,
- Mr. Dhaval Paranjape, Founder, Opine Group (BI Solutions),
- Mr. Parag Joshi Technical Consultant
- Mr. Atul Phad, Business Analytics Consultant
- Ms. Mayuri Kulkarni Business Analytics Consultant
- Ms. Disha Patil Data Analyst, Thermax Ltd.
- Mr. Anand Kolharkar, Founder, Opine Group (BI Solutions)



ACADEMIC YEAR: 2018-19 TERM II

STUDENTS ACHIEVEMENTS

- Jigar Jawar was a first prize national level winner in Techmanthan-19(Technical Quiz) organized by JSPM Hadapsar pune.
- Mohit Kulkarni was a Third prize national level winner in Spectrum, KingPin, a CEO search organized by sinhagadh Institute.

- Hrushikesh Salgoankar Appeared for AFCAT organized by Indian Air Force at national level.
- N.S.Vaidish was a second prize winner in M-Shishti (Poster Presentation)organized by MCOE,Pune

- Pragati Patil was First prize winner in Technothon,(PC Treasure Hunt) organized by MCOE,Pune.
- Bhupati Indla was Second Prize winner in Technothon(PC TreasureHunt)organized by MCOE,Pune.
- Bhupati Indla was First Prize winner in Technothon(Debet) organized by MCOE,Pune.

- Minakshi Shinde was Second Runner Up in COEP Sports Zest organized by COEP pune.
- Minakshi Shinde was Runner Up in Inter Zonal Fencing Competition organized by COEP,Pune

- Mrunmayee Gondhalekar was First prize winner in dancing, third prize in acting, third prize in play in Firodiya Krandak at state level.
- Mrunmayee Gondhalekar was first prize winner in dance, third price winner in acting and third prize winner in play in srujan festival.

- Mrunmayee Gondhalekar was First prize winner in dancing, third prize in acting, third prize in play in Sarpotdar Krandak at state level.
- Bhagyashree Solegaonkar was second price winner in poster and chart making competition organized by MCOE MBA department.

“Please, no matter how we advance technologically, please don’t abandon the book. There is nothing in our material world more beautiful than the book.” — Patti Smith

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