

HOPE FOUNDATION'S

**FINOLEX ACADEMY OF MANAGEMENT
AND TECHNOLOGY**

SECOND HALF 2023

e-Newsletter

**DEPARTMENT OF
INFORMATION TECHNOLOGY**

PREPARED BY

ATIYA R KAZI

DEPARTMENT OF INFORMATION TECHNOLOGY

VISION

To provide excellent Information Technology education and aspire to nurture students as leaders who are in tune with global IT Trends.

MISSION

- M1** To Enrich students by rigorously implementing quality education (**Knowledge**)
- M2** To empower the students with the required skills to solve the complex problems of modern society by following collaborative, multidisciplinary and sustainable activities (**Skills**)
- M3** To imbibe professional ethics and social values in the students and make them responsible citizens (**Attitude**)

Program Educational Objectives (PEOs)

PEO1	To provide learners with Core Competence in mathematical, scientific and basic engineering fundamentals necessary to formulate, analyse and solve hardware/software engineering problems.
PEO2	To prepare learners to solve business-centered problems by identifying, analyzing, developing, and implementing information system-based solutions with modern programming tools. To encourage learners to use best practices and implement technologies to enhance information security and enable compliance, ensuring confidentiality, information integrity, and availability.
PEO3	To prepare learners for successful career in Indian and Multinational Organizations, Identify and evaluate current and emerging technologies. To provide our graduates with learning environment awareness of the life-long learning. To motivate students to pursue it throughout their career and higher studies. To encourage and motivate learners for Research & Development and entrepreneurship.
PEO4	To introduce learners to ethical codes and guidelines including professional, ethical, legal and public policy issues to perform excellence, show leadership skills and demonstrate good citizenship
PEO5	To develop effective written and oral communication skills to interact with clients, users, co-workers and managers. To enable learners to work as part of teams on multidisciplinary projects and diverse professional environments to accomplish a common goal by integrating personal initiative and group cooperation.

Program Outcomes (POs)

Sr.	PO Domain	Program Outcomes: The students of Information Technology (IT) Department will be able to:
PO1	Engineering Knowledge	Apply the knowledge of mathematics, science and engineering fundamentals to the solution of complex engineering problems.
PO2	Problem Analysis	Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using principles of mathematics, natural sciences, and engineering.
PO3	Design/Development of Solutions	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	Investigation of user needs	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions for complex problems
PO5	Modern Tool Usage	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
PO6	The Engineer and Society	Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7	Environment and Sustainability	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8	Ethics	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9	Individual and Team Work	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	Communication	Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO11	Project Management and Finance	Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12	Life-Long Learning	Recognise the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.
PSO 1	Realistic Framework Designing	Design an algorithm, component, or stable process to meet desired needs for Multidisciplinary IT systems, within realistic constraints through cyber security, analytical, logical and problem-solving skills.
PSO2	IT Integration and Adaptability	Effectively integrate IT-based solutions into the user environment and adapt themselves easily to emerging trends in Information Technology such as Analytics, Blockchain, Cloud, Data science

Vinayak

04 -04-2023

Dr. Vinayak Ashok Bharadi

HoD-IT, Professor,

Finolex Academy of Management and Technology, Ratnagiri, Maharashtra, India

IT EVENTS

IT DEPARTMENT HELD MANDVI BEACH CLEANING DRIVE



WEBINAR ON JAVA PROGRAMMING – CAMPUS TO CORPORATE

A Seminar on Java Programming – Campus to Corporate was organized by the Information Technology Department on 07th October 2023 from 10.30 A.M. to 12.00 P.M. Mr. Shailendra Karambe from TCS delivered a session for S.E. IT students. The webinar aimed to provide students with an insight into Java technologies and career prospects in the domain of Java along essential skill building.

INDUSTRIAL VISIT TO BENCHMARK IT SOLUTIONS, PUNE

This event focused on:

- How does the IT Industry work for software development?
- What do the students need to prepare to get a job in the IT industry?
- What are the current and future technologies to learn for IT industry jobs?
- What are the positions and job roles in the IT industry?



INTERNAL HACKATHON

On 12th September 2023, an Internal Hackathon was a structured competition or collaborative event within FAMT where students, from various departments or teams, came together to work on innovative projects, solve specific problems, or develop new ideas.

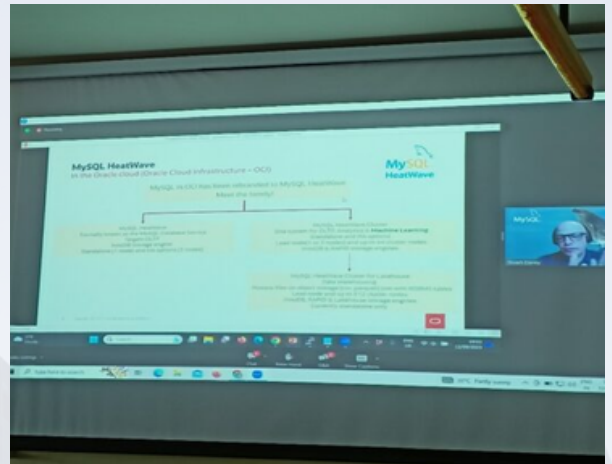


IT EVENTS

WEBINAR ON MACHINE LEARNING WITH MYSQL FOR BEGINNERS

This event focused on:

- How MySQL HeatWaveAutoML works?
- What ML algorithms can be used with MySQL HeatWaveAutoML?
- How to configure ML models with your data?
- How to explain the results provided by MySQL HeatWaveAutoML.



IT DEPARTMENT & ACM HOSTED FIERCE FRESHERS 2023



The Department of Information Technology and Association for Computing Machinery (ACM) Students Chapter organized “Fierce Freshers 2023” on 09th September, 2023 to welcome second-year students in the department.

A WORKSHOP ON SOCIAL MEDIA

The Department of Information Technology, FAMT conducted a Workshop on Social Media on 12 August 2023. This seminar created social awareness among the students. The workshop was conducted by Mr Omkar Barde, a Social media Expert on Twitter and Facebook and Mr Rahul Mahahagare, a Social media Expert on Instagram. Both experts discuss the appropriate ways to use social media, do's & don'ts, content writing, tweets, retweets, along with practical guidelines.



IT FACULTY ACHIEVEMENTS

About The Authors

Dr. Yogesh Manohar Gajmal is received his Ph.D in Computer Science and Engineering from Bharath University, Chennai. He received a Master of Engineering in Computer Engineering from Bharath Vidyapeeth Deemed University, Pune, Maharashtra. Recently he has been working as an Associate Professor in Finolex Academy of Management and Technology, Ratnagiri, Maharashtra. He has more than 13 years of Teaching Experience. His research expertise is in Cryptography, Cyber Security, Blockchain, and Network Security. He has published more than 20+ research publications in reputed SCI, WoS, Scopus-indexed journals and conferences.

Onkar D. Dike is received his M-Tech in Computer Science and Engineering from BVDCOE, Pune. Recently he is working as Assistant Professor at Department of Information Technology at Finolex Academy of Management and Technology, Ratnagiri, Maharashtra. His research expertise in Cloud Computing, AI and Network Security. He published more than 10+ research publications in reputed journals and conferences.

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Ms. Shraddha Chavan received a Master of Engineering in Computer Engineering from Thadomal Shahani Engineering College, Bandra, Mumbai, Maharashtra. She has 5+ years Teaching Experience. Her area of expertise includes Cryptography, Image Processing etc. She has published research papers in reputed journals.

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Bachelor of Engineering
 Final Year (B.E.) Degree Course in INFORMATION TECHNOLOGY | Semester 7

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Dr. YOGESH GAJMAL
 SHASHANK TOLYE

ONKAR DIKE
 Ms. SHRADDHA CHAVAN

NIRALI PRAKASHAN

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Pranav More pursuing a Ph.D. in Computer Science and Engineering from MIT ADT University Pune. He received a Master of Engineering in Computer Networks from Savitribai Phule Pune University. Recently he has been working as an Assistant Professor in the School of Technology Management & Engineering at SVKM's NMIMS University Navi Mumbai. His research expertise is in Cyber Security, Digital Forensics, Blockchain, and Network Security. He published more than 20+ research publications in reputed Scopus-indexed journals and conferences.

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 Semester 6

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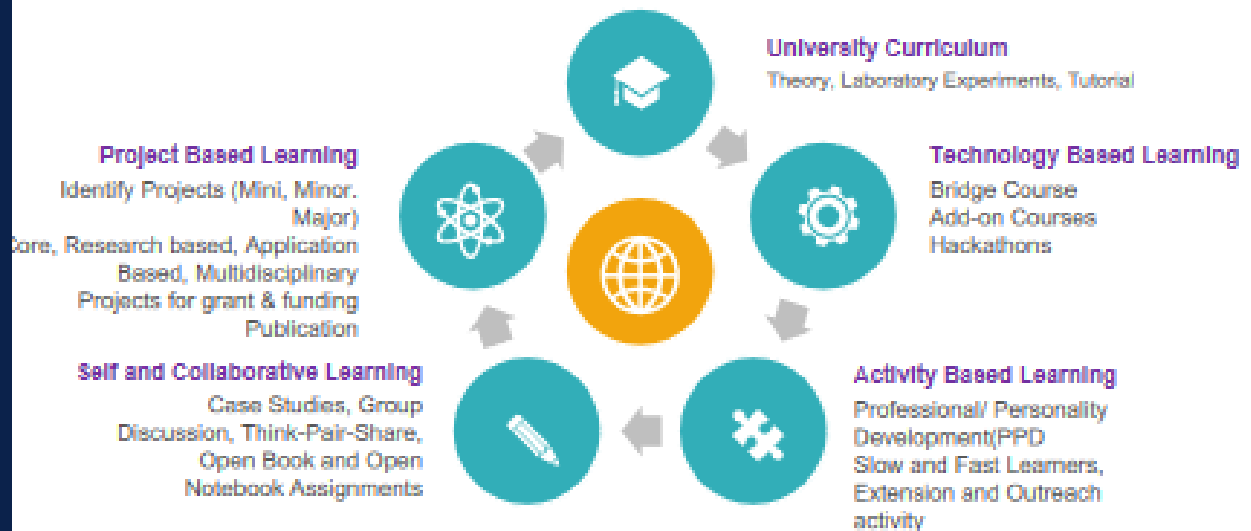
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Teaching Learning process

Major Aspects of TLP at IT Department



1

Innovative Teaching Learning Practices

- Cloud Based Moodle (Edmodo)
- Crosswords for Teaching Learning Process
- Group based Assignments, Open book, open notebook and Online Quiz Assignments
- Certification Training – Microsoft Virtual Academy
- Outcome Based Education
- Project Based Learning
- Lab Assessment by Online Quiz-Testyou, Drupal, Google Classrooms etc.
- Hackathon – Java, Python
- Using Amazon Web Services Educate Classroom, IBM Academic Alliance

aws educate



mva
Microsoft Virtual Academy



Crossword Labs



1

Student Development Activities

Our Recruiters

The following table lists the logos of the companies featured in the 'Our Recruiters' section:

Infosys	infocenter	Jocata
Persistence	Mindtree	L&T Infotech
accenture	Tech Mahindra	BYJU'S
IBM	TATA	SOFTLINK
Directi	TATA CONSULTANCY SERVICES	ACTY SYSTEMS
HCL	PARAmatrix	Bitwise Solutions
amazon	Network Labs	GlobalSpace
Spiders	EMPHASIS	

Students Skills Development for Better Employability

FREE ACCESS
coursera
CERTIFICATIONS

इसरो ISRO

Wise Central

01 Course By ARK and SST

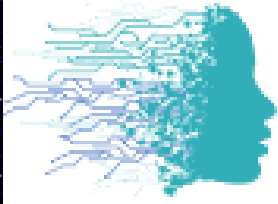
95	Students Enrolled
143	Total Courses Completed
03	Faculty Members Completed Courses total 40+ Courses
32	International University and Bodies
425	Total Courses Completed

MongoDB University

02 faculty and 25 Students have completed the courses

IBM SkillsBuild

02 Courses By ARK



Projections - Future Plans

Accreditation by NBA (2021-2022)

Strengthening the department infra and overall performance improvement

Application for Grants (2020-2023)

Funding by various government and private agencies for Research and Infrastructure Upgradation



Academic Excellence

In alignment with MVS



AWS Educate Academy (2020-2021)

Complete the Faculty members Certifications in ACF and Start the batches



IBM Academic Alliance (2020-2021)

Activities under the MoU



ACM Collaboration (2018-2020)

Professional Chapter collaboration with ACM

Thank you!