

HOPE FOUNDATION'S

**FINOLEX ACADEMY OF MANAGEMENT
AND TECHNOLOGY**

FIRST HALF 2024

e-Newsletter

**DEPARTMENT OF
INFORMATION TECHNOLOGY**

PREPARED BY

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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

Value-Added Course on Cloud Computing and Services

The Department of Information Technology, Finolex Academy of Management and Technology, Ratnagiri organized a 50-hour Value-Added Course on “Cloud Computing and Services” from 05th to 23rd April 2024, for the final year (BE) students.



Web Hackathon 2024

The Information Technology Department Organized an online Parents Meeting for SE, TE and BE students on 20-04-2024.

The main objective of the meeting was to discuss the institute’s policies for the overall welfare of students, academic support services available at the institution, and students’ performance and progress.

PROJECT EXHIBITION

The Information Technology Department, Finolex Academy of Management and Technology organized a “Project exhibition” on 05th April for IT students. The main objective of organizing such an exhibition is to make the learning process effective and efficient with hands-on experience for the students.

The exhibition provides a good platform for students to showcase their talents and receive suggestions from other experts. There was a total of 27 working projects on display, during the event. The students demonstrated the working of their projects to the visitors. The students had to exhibit their technical as well as presentation skills with demonstration of their work.



IT EVENTS

An Industry Expert Session focused on

1. How the IT Industry works for software development.
2. What students need to prepare to get a job in the IT industry.
3. What are the current and future technologies to learn for IT industry jobs?
4. What are the positions and job roles in the IT industry?
5. How digital transformation has improved in the last few years.



Expert Session on Higher Education

- Importance of higher education.
- Eligibility for admission to higher education?
- Process of admission
- Benefits of higher education



IT EVENTS

Web Hackathon 2024



One day event on 'Web Hackathon 2024" was organized by the Information Technology department on 15 April 2024. The main objective behind conducting this event was to allow TE IT students to

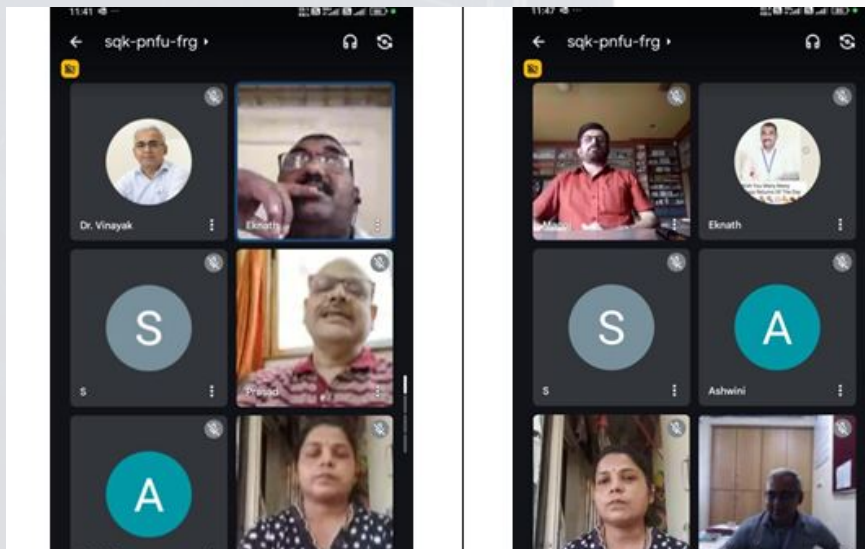
explore their web knowledge using current web technologies for solving real-world problems. This event was attended by 63 students. Students were asked to solve given problems in groups.

The results of all the groups were displayed on the next day along with question-wise marks. e-Certificates of participation were also mailed to them. The event was coordinated by Prof. Amar R. Palwankar under the guidance of Prof. Dr. Vinayak A. Bharadi(HoD-IT).

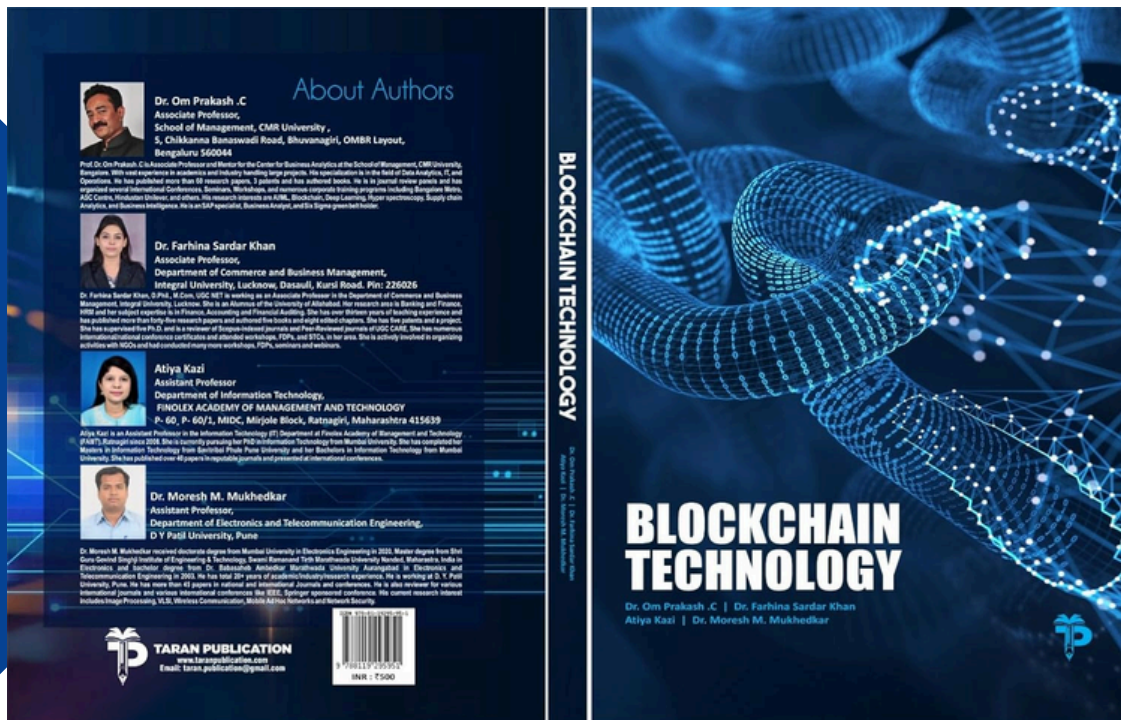
ONLINE PARENTS MEETING

The Information Technology Department Organized an online Parents Meeting for SE, TE and BE students on 20-04-2024. The main objective of the meeting was to discuss the institute's policies for the overall welfare of students, academic support services available at the institution, and students' performance and progress.

Prof. Sankareswari welcomed all the parents, students, faculty and staff present for the meeting. Dr. Vinayak A. Bharadi, the Head of the Information Technology Department, led the discussion.



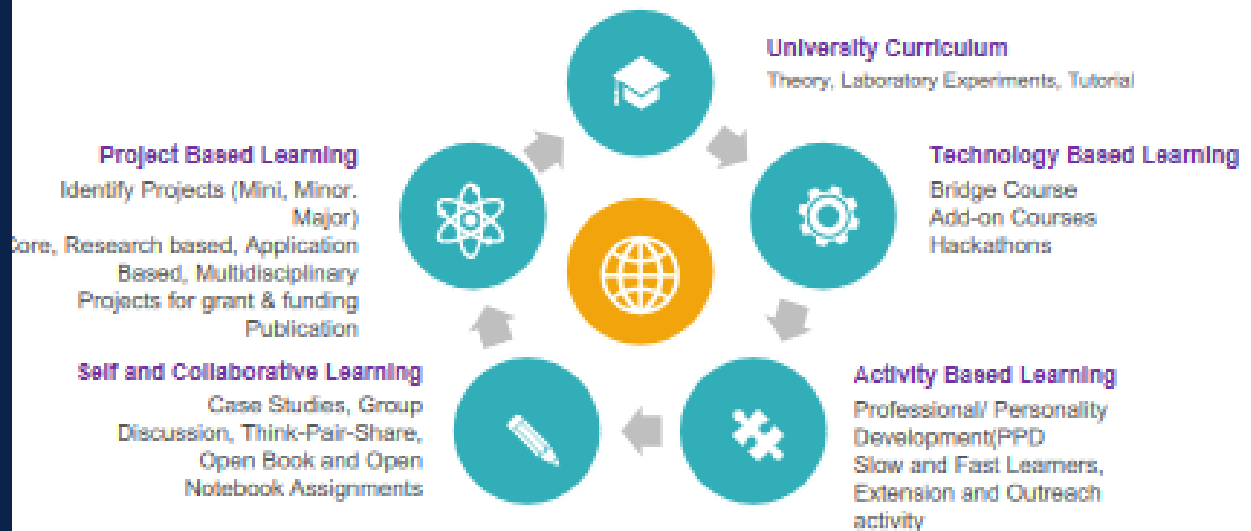
IT FACULTY ACHIEVEMENTS



Prof. Atiya Kazi published a book on Blockchain Technology with ISBN: 978-81-19295-95-1.

Teaching Learning process

Major Aspects of TLP at IT Department



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



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
SYNTEL	amazon	GlobalSpace
Network Labs	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

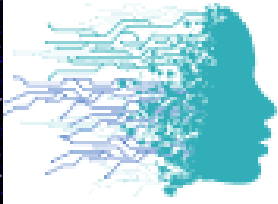
425 Total Courses Completed

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

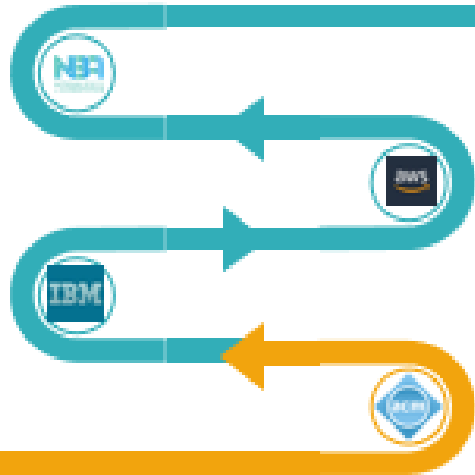
Application for Grants (2020-2023)

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!