HOPE FOUNDATION'S

FINOLEX ACADEMY OF MANAGEMENT AND TECHNOLOGY

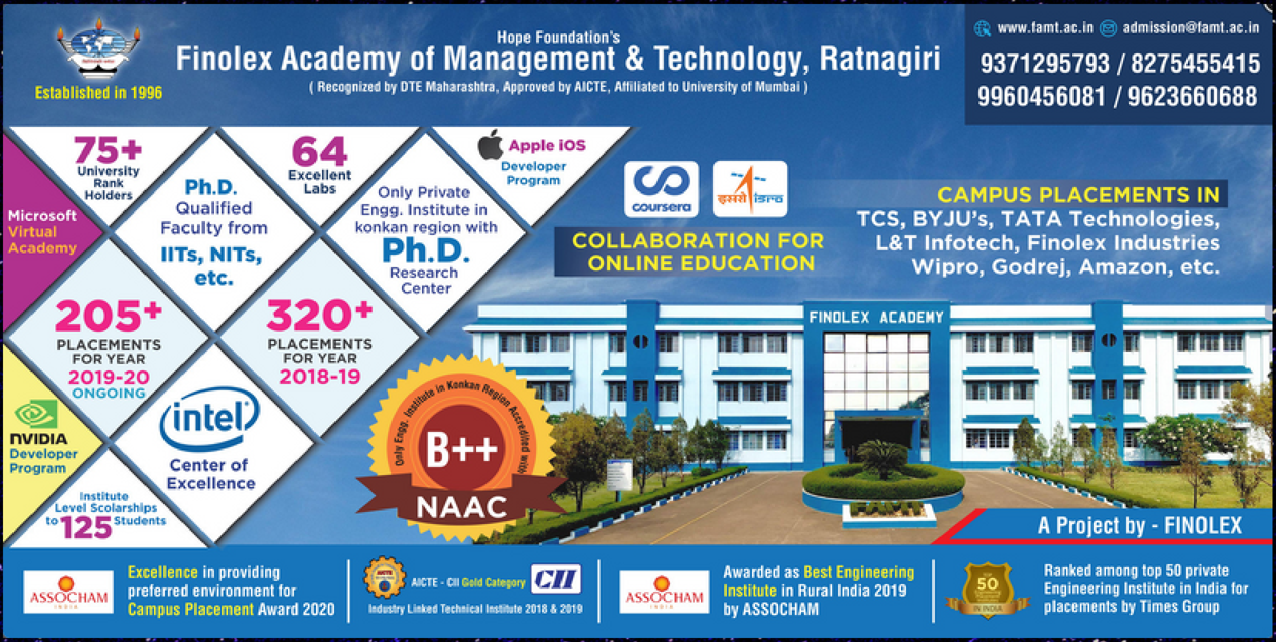
FIRST HALF 2023

e-Newsletter

DEPARTMENT OF INFORMATION TECHNOLOGY

PREPARED BY

ATIYA R KAZI



Hope Foundation's

Finolex Academy of Management & Technology, Ratnagiri

(Recognized by DTE Maharashtra, Approved by AICTE, Affiliated to University of Mumbai)

Established in 1996

www.famt.ac.in admission@famt.ac.in

9371295793 / 8275455415
9960456081 / 9623660688

75+ University Rank Holders

Ph.D. Qualified Faculty from IITs, NITs, etc.

64 Excellent Labs

Only Private Engg. Institute in konkan region with Ph.D. Research Center

Apple iOS Developer Program

Microsoft Virtual Academy

205+ PLACEMENTS FOR YEAR 2019-20 ONGOING

320+ PLACEMENTS FOR YEAR 2018-19

NVIDIA Developer Program

intel Center of Excellence

Institute Level Scolarships to 125 Students

coursera

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COLLABORATION FOR ONLINE EDUCATION

CAMPUS PLACEMENTS IN
TCS, BYJU's, TATA Technologies,
L&T Infotech, Finolex Industries
Wipro, Godrej, Amazon, etc.

Only Engg. Institute in Konkan Region Accredited with B++ NAAC

FINOLEX ACADEMY

A Project by - FINOLEX

ASSOCHAM INDIA Excellence in providing preferred environment for Campus Placement Award 2020

AICTE - CII Gold Category CII Industry Linked Technical Institute 2018 & 2019

ASSOCHAM INDIA Awarded as Best Engineering Institute in Rural India 2019 by ASSOCHAM

50 IN INDIA Ranked among top 50 private Engineering Institute in India for placements by Times Group

RECENT ADVANCEMENTS IN THE AREAS OF COMPUTERS, SOFTWARE, NETWORKS, INTERNET, COMMUNICATION TECHNOLOGY, BIG DATA, AND CLOUD COMPUTING, ETC. HAVE MADE A HUGE AMOUNT OF INFORMATION AVAILABLE TO US. IN THIS HIGH-TECH ERA, INFORMATION IS SOMETHING WITHOUT WHICH INDUSTRY, INDIVIDUALS CANNOT SURVIVE, AND THEIR SUCCESS DEPENDS ON THE ABILITY TO ACQUIRE ACCURATE AND TIMELY INFORMATION.

KEEPING THIS IN MIND FAMT STARTED THE BACHELOR OF ENGINEERING PROGRAM IN INFORMATION TECHNOLOGY (IT) FROM ACADEMIC SESSION 2001-2002. THE EMPHASIS OF B.E. IN INFORMATION TECHNOLOGY CURRICULUM IS ON COMPUTER SCIENCE, SOFTWARE DEVELOPMENT, NETWORKING, COMMUNICATION, WEB ENGINEERING, SECURITY, MULTIMEDIA PROCESSING, IOT, CLOUD COMPUTING, DATA ANALYTICS, AND SOFT COMPUTING. CURRENTLY, THE DEPARTMENT'S INFRASTRUCTURE CONTAINS THREE CLASSROOMS, SIX LABORATORIES, A STAFF ROOM, AND A SEMINAR HALL. OLE CLASSROOM IS ICT ENABLED WITH A WI-FI PROJECTION FACILITY. ALL FLOORS OF THE IT DEPARTMENT HAVE WI-FI CONNECTIVITY.

VISION AND MISSION

VISION

TO PROVIDE EXCELLENT INFORMATION TECHNOLOGY EDUCATION AND ASPIRE TO NURTURE STUDENTS AS LEADERS WHO ARE IN TUNE WITH GLOBAL IT TRENDS

MISSION

- To Enrich students by rigorously implementing quality education
- To make students industry ready
- To imbibe professional ethics and social values in the students and make them responsible citizens.

Program Educational Objectives

PEO1

TO PROVIDE LERNERS WITH CORE COMPETENCE IN MATHEMATICAL, SCIENTIFIC AND BASIC ENGINEERING FUNDAMENTALS NECESSARY TO FORMULATE, ANALYZE AND SOLVE HARDWARE/SOFTWARE ENGINEERING PROBLEMS AND/OR ALSO TO PURSUE ADVANCED STUDY OR RESEARCH.

PEO2

TO PREPARE LEARNERS TO SOLVE BUSINESS-CENTERED PROBLEMS BY IDENTIFYING, ANALYZING, DEVELOPING, AND IMPLEMENTING INFORMATION SYSTEM BASED SOLUTIONS WITH MODERN PROGRAMMING TOOLS.

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.

PEO4

TO ENCOURAGE AND MOTIVATE LEARNERS FOR RESEARCH & DEVELOPMENT AND ENTREPRENEURSHIP.

PEO5

TO INTRODUCE LERNERS TO ETHICAL CODES AND GUIDELINES INCLUDING PROFESSIONAL, ETHICAL, LEGAL AND PUBLIC POLICY ISSUES TO PERFORM EXCELLENCE, SHOW LEADERSHIP SKILLS AND DEMONSTRATE GOOD CITIZENSHIP

PROGRAM OUTCOMES (POs)

PO1

ENGINEERING KNOWLEDGE APPLY THE KNOWLEDGE OF MATHEMATICS, SCIENCE AND IT FUNDAMENTALS TO THE SOLUTION OF COMPLEX ENGINEERING PROBLEMS.

PO2

PROBLEM ANALYSIS IDENTIFY, FORMULATE, REVIEW RESEARCH LITERATURE, AND ANALYSE COMPLEX IT PROBLEMS REACHING SUBSTANTIATED CONCLUSIONS USING PRINCIPLES OF MATHEMATICS, NATURAL SCIENCES, AND ENGINEERING.

PO3

DESIGN/DEVELOPMENT OF SOLUTIONS USE RESEARCH-BASED KNOWLEDGE OF IT AND RESEARCH METHODS INCLUDING DESIGN OF EXPERIMENTS, ANALYSIS AND INTERPRETATION OF DATA, AND SYNTHESIS OF THE INFORMATION TO PROVIDE VALID CONCLUSIONS.

PO4

INVESTIGATION OF USER NEEDS ABILITY TO INVESTIGATE, IDENTIFY AND ANALYSE USER NEEDS, AND TAKE THEM INTO ACCOUNT IN SELECTION, CREATION, EVALUATION, ADMINISTRATION OF IT-BASED SOLUTIONS INTO THE USER ENVIRONMENT.

PO5

MODERN TOOL USAGE CREATE, SELECT, AND APPLY APPROPRIATE TECHNIQUES, RESOURCES, AND MODERN ENGINEERING AND IT TOOLS INCLUDING PREDICTION AND MODELLING TO COMPLEX IT 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 IN THE FIELD OF IT.

PO7

ENVIRONMENT AND SUSTAINABILITY UNDERSTAND THE IMPACT OF THE PROFESSIONAL IT 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 IT PRACTICE. ATTITUDE

PROGRAM OUTCOMES (POs)

PO9

INDIVIDUAL AND TEAM WORK FUNCTION EFFECTIVELY AS AN INDIVIDUAL, AND AS A MEMBER OR LEADER IN DIVERSE TEAMS, AND IN MULTIDISCIPLINARY SETTINGS. ATTITUDE

PO10

COMMUNICATION COMMUNICATE EFFECTIVELY ON COMPLEX IT 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. SKILLS

PO11

PROJECT MANAGEMENT AND FINANCE DEMONSTRATE KNOWLEDGE AND UNDERSTANDING OF THE IT 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. ATTITUDE

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. ATTITUDE

PROGRAM SPECIFIC OUTCOMES (PSO)

PSO1

REALISTIC FREAMEWORK DESIGNING DESIGN AN ALGORITHM, COMPONENT, OR PROCESS TO MEET DESIRED NEEDS, WITHIN REALISTIC CONSTRAINTS THROUGH ANALYTICAL, LOGICAL AND PROBLEM SOLVING SKILLS. 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.

EVENTS AND ACTIVITIES

A WEBINAR ON "HOW TO BE PLACED IN MULTINATIONAL COMPANIES"

A webinar on "How to be Placed in Multinational Companies" was organized by the Department of Information Technology from 25th January 2023 to 26th January 2023. This webinar was organized for TEIT & BEIT students for providing valuable guidelines regarding how to get placed in multinational companies.

This event focused on:

1. Realizing the reasons why engineers struggle to get good jobs.
2. Understanding how MNCs shortlist profiles.
3. Using important keywords in a resume to attract attention.
4. Discussion on how to appear for an interview with confidence.

AN EXPERT SESSION ON MACHINE LEARNING-CURRENT TRENDS AND PROSPECTS

The Department of Information Technology conducted an Expert Session on Machine Learning-Current Trends and Prospects on 29-03-2023. It was attended by 33 students from TE IT.
The Resource person was Prof. Dr Jayavrinda Vrindavanam, Dayananda Sagar University, Bangalore. It is expected that after attending this course students will be to explain the concepts of Machine Learning, Artificial Intelligence and Applications of ML.

EVENTS AND ACTIVITIES

A SEMINAR ON AWS TRAINING AND CERTIFICATIONS

The Department of Information Technology conducted an online Seminar on AWS Training and Certifications on 27-03-2023. It was attended by 56 students and 13 faculties from IT Department.

The Resource person was from Amazon Web Services. It is expected that after attending this course students will be to explain the Containers, Serverless Development virtual confirmation, Machine Learning Basics, Modern Applications on AWS, Data Analytics Fundamentals on AWS etc.

A BRIDGE COURSE IN BLOCKCHAIN TECHNOLOGIES

The Department of Information Technology conducted a bridge course in Blockchain Technologies namely DeFi, DEX, and Cryptokitties on 27 March 2023 with guidance from Dr Vinayak Bharadi, HoD IT. It was attended by 50 students from BE IT.

The Resource person was Prof. Atiya Kazi from the IT department. It is expected that after attending this course students will be to explain the basic concepts of blockchain technology, and cryptocurrency and understand the intricacies of DeFi, and DEX platforms.

EVENTS AND ACTIVITIES

SEMINAR ON AI/ML MAPPED WITH MICROSOFT CERTIFICATION

A Seminar on “AI/ML Mapped with Microsoft Certification” was organized in collaboration with the Computer Science and Engineering (AI & ML) department and Information Technology Department, on 06 February 2023. Mr Prateek Tiwari (Business Development Executive) from Inflow Technologies, Pvt., Ltd, delivered a session for the second-year and third-year CSE-AIML students. The main objective behind organizing this seminar was to provide the students insight of career prospects in the domain of Artificial Intelligence, Machine Learning, and Deep Learning and accordingly how to develop the essential skill set required for it.
This session was attended by 74 students.

SEMINAR ON AI/ML MAPPED WITH MICROSOFT CERTIFICATION

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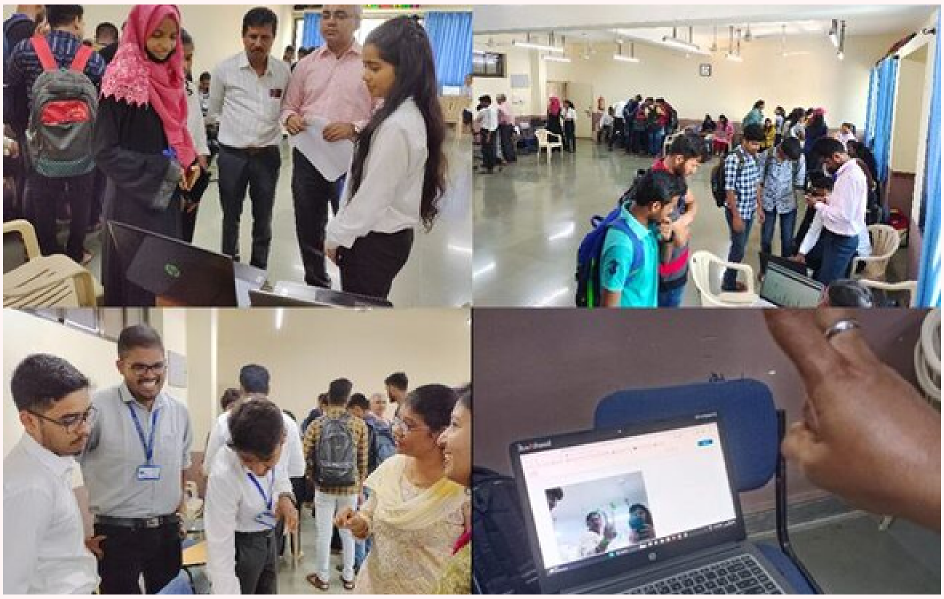
STUDENT COMPETITIONS



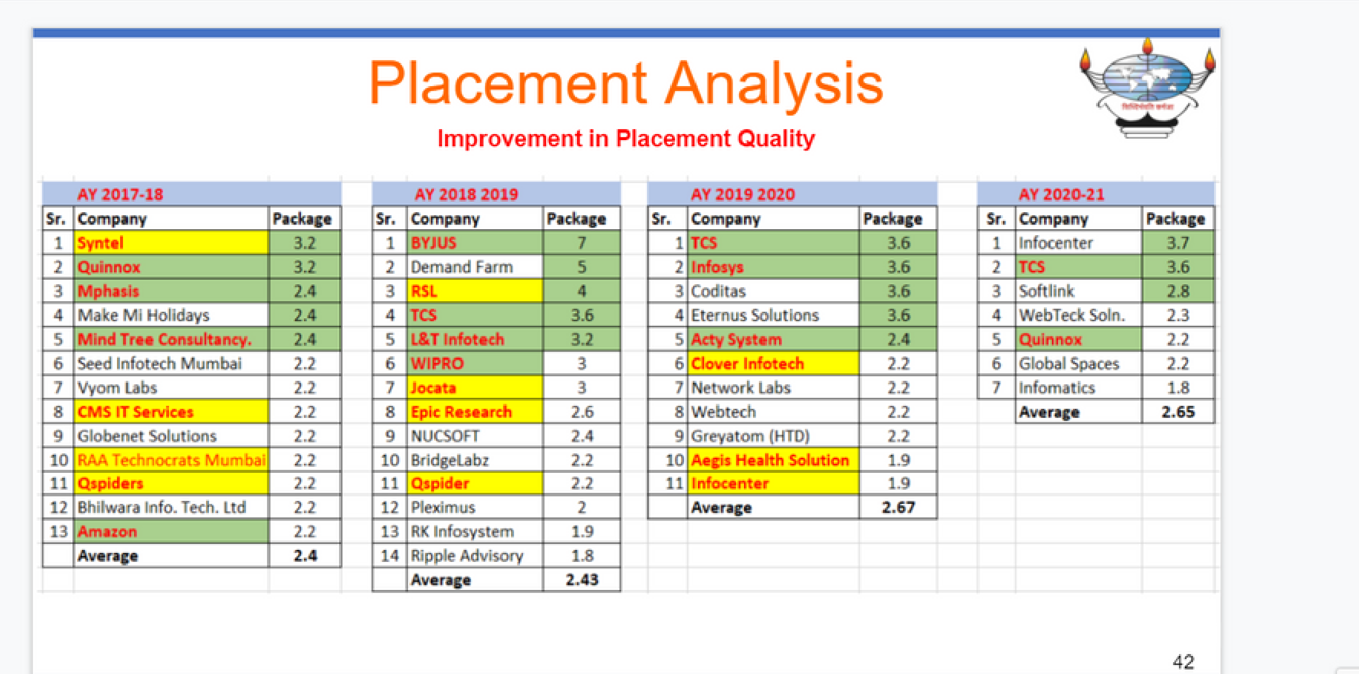
THE INFORMATION TECHNOLOGY DEPARTMENT, FINOLEX ACADEMY OF MANAGEMENT AND TECHNOLOGY, RATNAGIRI, ORGANIZED A “PROJECT EXHIBITION” ON 07TH APRIL 2023 FOR BE IT STUDENTS.

‘WEB HACKATHON 2023” WAS ORGANIZED BY THE INFORMATION TECHNOLOGY DEPARTMENT ON 20 MARCH 2023. TE IT STUDENTS COULD EXPLORE THEIR WEB KNOWLEDGE USING CURRENT WEB TECHNOLOGIES FOR SOLVING REAL-WORLD PROBLEMS THROUGH THIS EVENT.

Mandvi Beach Clean-up Drive

Donation Drive for Avishkar Institute Ratnagiri

PLACEMENT BUZZ



Placement Analysis

Improvement in Placement Quality

AY 2017-18

Sr.	Company	Package
1	Syntel	3.2
2	Quinnox	3.2
3	Mphasis	2.4
4	Make Mi Holidays	2.4
5	Mind Tree Consultancy.	2.4
6	Seed Infotech Mumbai	2.2
7	Vyom Labs	2.2
8	CMS IT Services	2.2
9	Globenet Solutions	2.2
10	RAA Technocrats Mumbai	2.2
11	Qspiders	2.2
12	Bhilwara Info. Tech. Ltd	2.2
13	Amazon	2.2
	Average	**2.4**

AY 2018 2019

Sr.	Company	Package
1	BYJUS	7
2	Demand Farm	5
3	RSL	4
4	TCS	3.6
5	L&T Infotech	3.2
6	WIPRO	3
7	Jocata	3
8	Epic Research	2.6
9	NUCSOFT	2.4
10	BridgeLabz	2.2
11	Qspider	2.2
12	Pleximus	2
13	RK Infosystem	1.9
14	Ripple Advisory	1.8
	Average	**2.43**

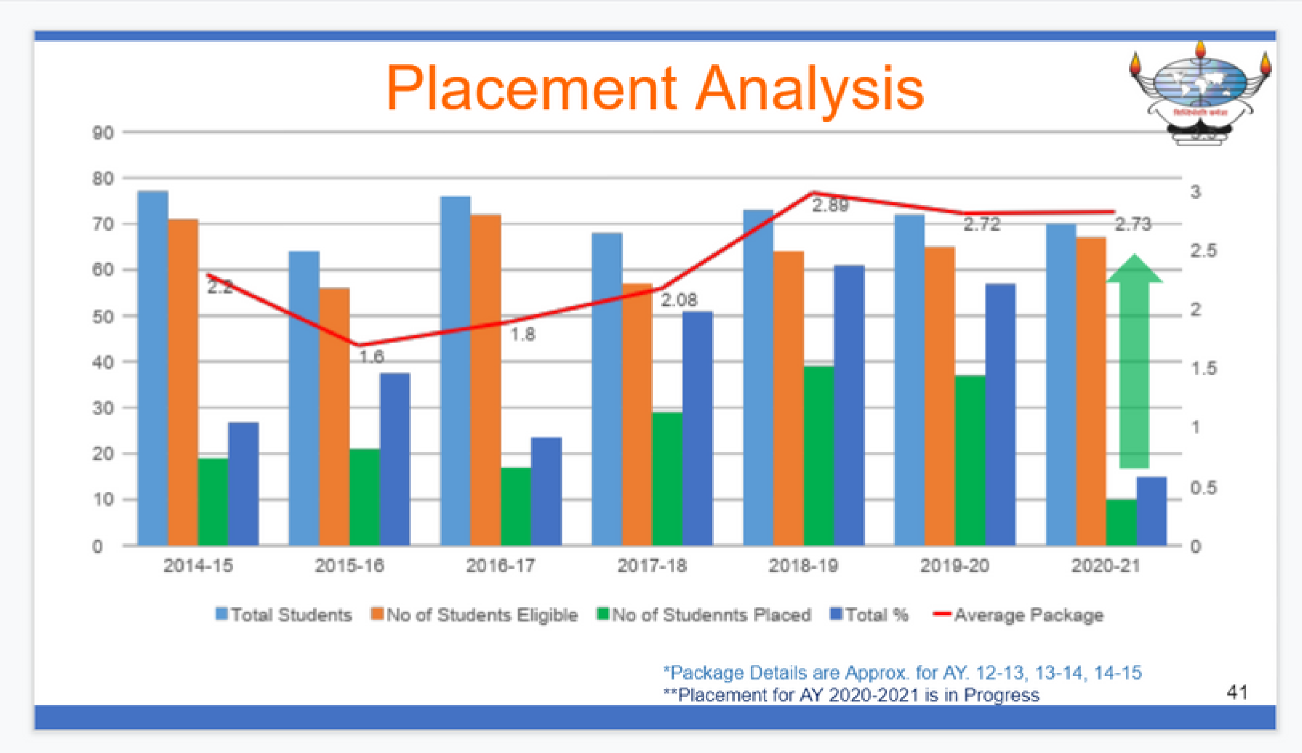
AY 2019 2020

Sr.	Company	Package
1	TCS	3.6
2	Infosys	3.6
3	Coditas	3.6
4	Eternus Solutions	3.6
5	Acty System	2.4
6	Clover Infotech	2.2
7	Network Labs	2.2
8	Webtech	2.2
9	Greyatom (HTD)	2.2
10	Aegis Health Solution	1.9
11	Infocenter	1.9
	Average	**2.67**

AY 2020-21

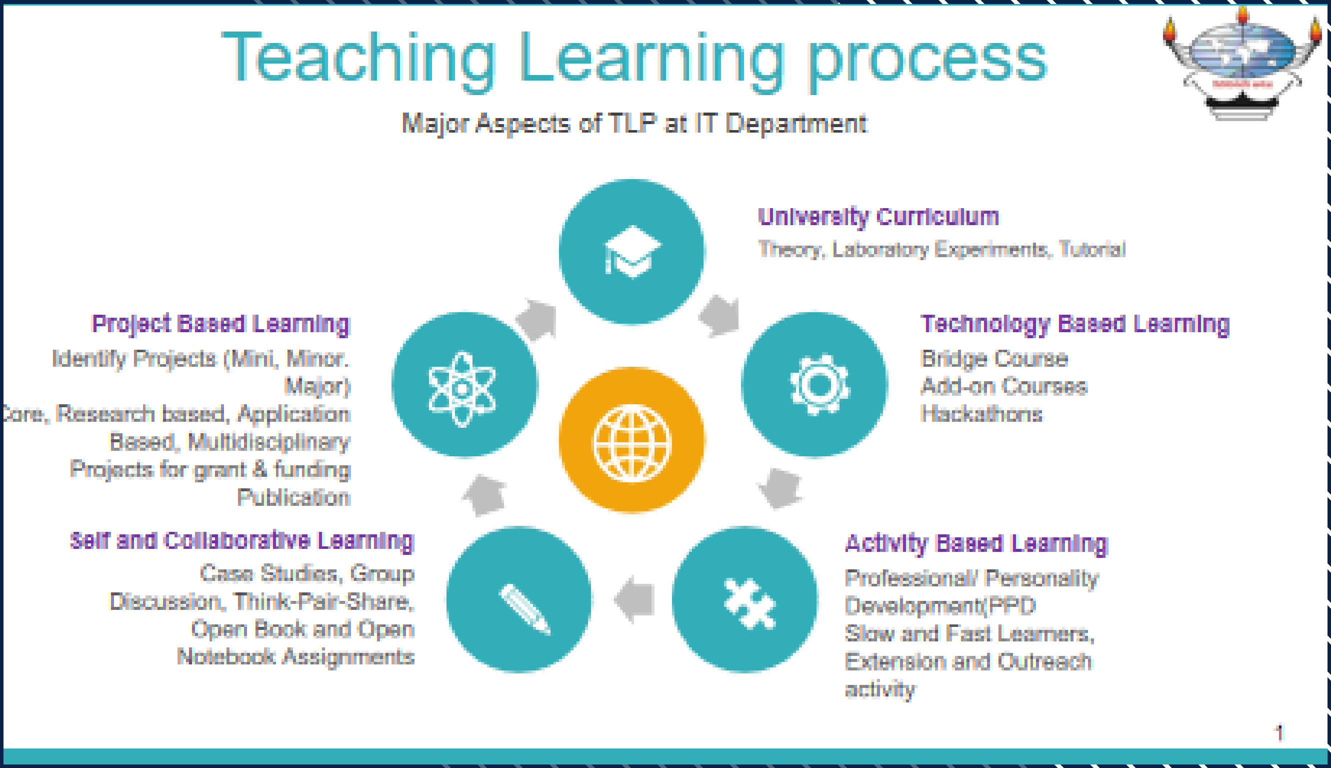
Sr.	Company	Package
1	Infocenter	3.7
2	TCS	3.6
3	Softlink	2.8
4	WebTeck Soln.	2.3
5	Quinnox	2.2
6	Global Spaces	2.2
7	Infomatics	1.8
	Average	**2.65**

Placement Analysis



*Package Details are Approx. for AY. 12-13, 13-14, 14-15

**Placement for AY 2020-2021 is in Progress



Teaching Learning process

Major Aspects of TLP at IT Department

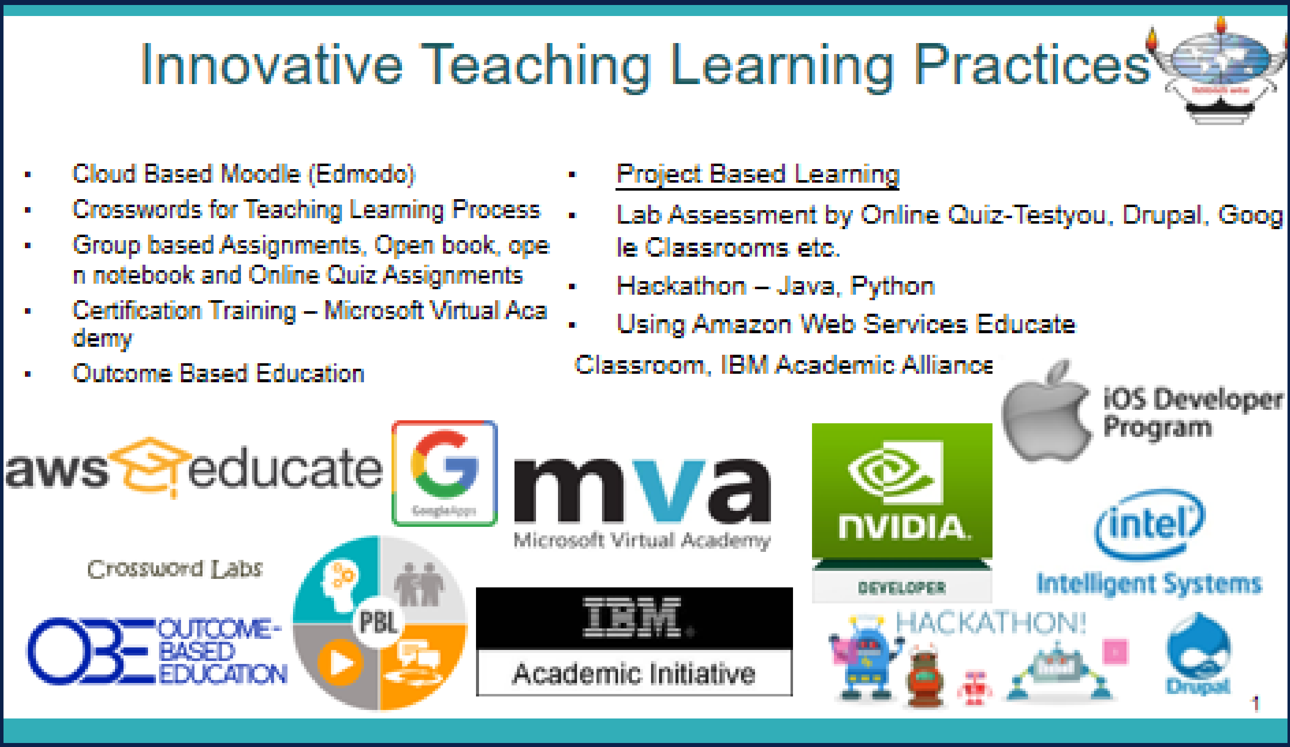
University Curriculum
Theory, Laboratory Experiments, Tutorial

Technology Based Learning
Bridge Course
Add-on Courses
Hackathons

Activity Based Learning
Professional/ Personality Development(PPD
Slow and Fast Learners,
Extension and Outreach activity

Self and Collaborative Learning
Case Studies, Group Discussion, Think-Pair-Share, Open Book and Open Notebook Assignments

Project Based Learning
Identify Projects (Mini, Minor, Major)
ore, Research based, Application Based, Multidisciplinary
Projects for grant & funding
Publication

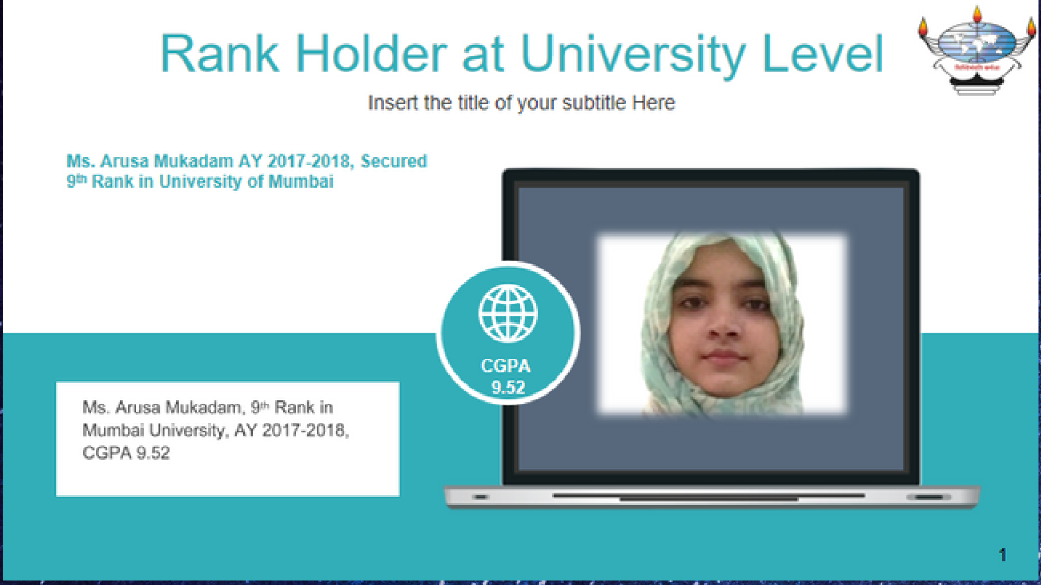


Innovative Teaching Learning Practices

- 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

OUR GRAND UNIVERSITY TOPPERS



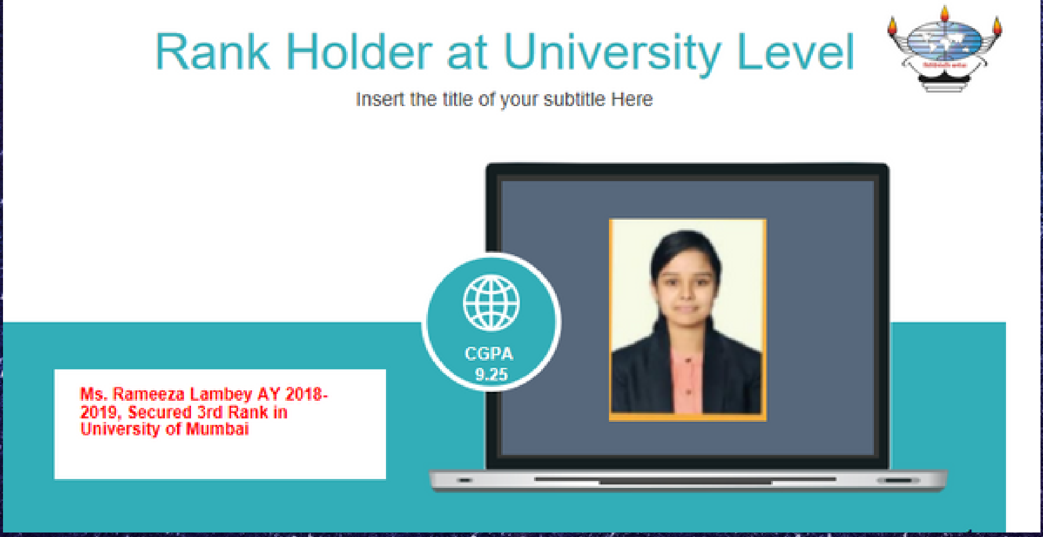
Rank Holder at University Level

Insert the title of your subtitle Here

Ms. Arusa Mukadam AY 2017-2018, Secured 9th Rank in University of Mumbai

Ms. Arusa Mukadam, 9th Rank in Mumbai University, AY 2017-2018, CGPA 9.52

CGPA 9.52



Rank Holder at University Level

Insert the title of your subtitle Here

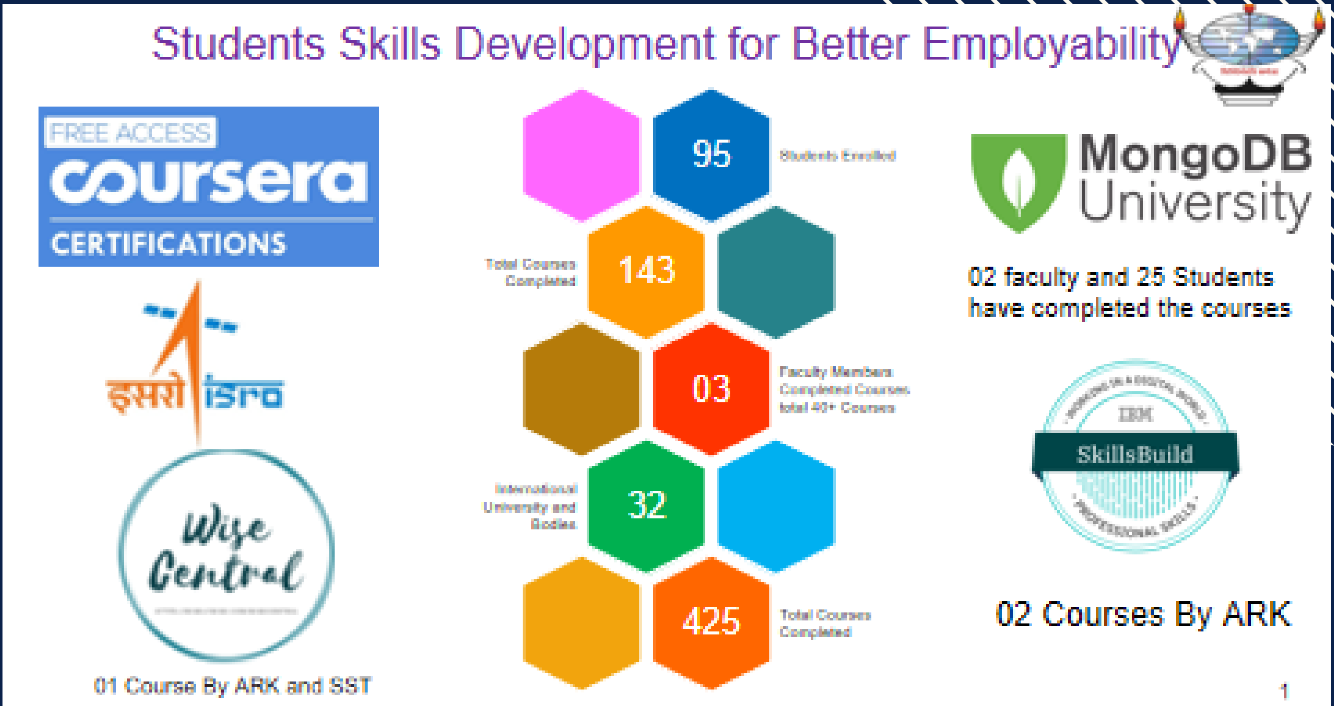
Ms. Rameeza Lambey AY 2018-2019, Secured 3rd Rank in University of Mumbai

CGPA 9.25

Student Development Activities

Our Recruiters

Infosys
infocenter
Persistence
accenture
Mindtree
L&T Infotech
Jocata
Financial Advisory & Technology
BYJU'S
SOFTLINK
ACTY SYSTEMS
IBM
TATA
TATA CONSULTANCY SERVICES
Tech Mahindra
CLOVER INFOTECH
Bitwise Solutions
people + technology + training = success
Directi
Intelligent People. Uncommon Ideas.
HCL
HCL INFOSYSTEMS LTD
PARAmatrix
Quinnox
GlobalSpace
TECHNOLOGIES
SYNTEL
Consider IT Done
amazon
Network labs
Spiders
EMPHASIS
marketing & communications, inc.



Students Skills Development for Better Employability

95 Students Enrolled

143 Total Courses Completed

03 Faculty Members Completed Courses total 40+ Courses

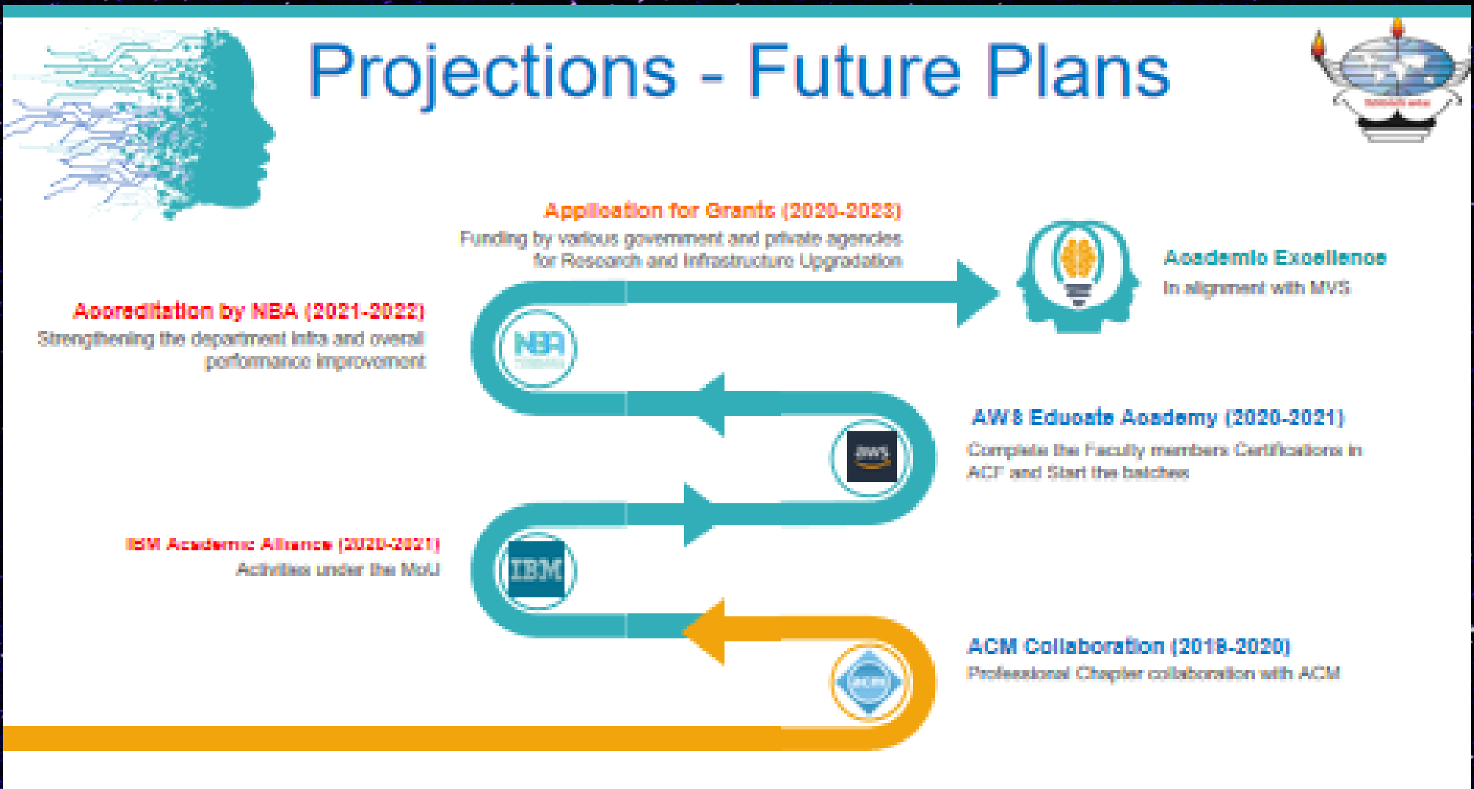
32 International University and Bodies

425 Total Courses Completed

02 faculty and 25 Students have completed the courses

02 Courses By ARK

01 Course By ARK and SST



Projections - Future Plans

Application for Grants (2020-2023)
Funding by various government and private agencies for Research and Infrastructure Upgradation

Academic Excellence
In alignment with MVS

Accreditation by NBA (2021-2022)
Strengthening the department infra and overall performance improvement

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!