

HOPE FOUNDATION'S

FINOLEX ACADEMY OF MANAGEMENT AND TECHNOLOGY

SECOND HALF 2021

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

64
Excellent Labs

Apple iOS
Developer Program

Microsoft Virtual Academy

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

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

205+
PLACEMENTS FOR YEAR 2019-20 ONGOING

320+
PLACEMENTS FOR YEAR 2018-19

NVIDIA
Developer Program

intel
Center of Excellence

125
Institute Level Scholarships to Students

COLLABORATION FOR ONLINE EDUCATION

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



A Project by - FINOLEX

ASSOCHAM

Excellence in providing preferred environment for Campus Placement Award 2020

AICTE - CII Gold Category

Industry Linked Technical Institute 2018 & 2019

ASSOCHAM

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

50
Years

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. ONE CLASSROOM IS ICT ENABLED WITH A WI-FI PROJECTION FACILITY. ALL FLOORS OF THE IT DEPARTMENT HAVE WI-FI CONNECTIVITY.

DEPARTMENT OF INFORMATION TECHNOLOGY

HOD's Message

Dear All,

It is my immense pleasure to present the e-newsletter of IT Department AY 2021.

It is our honor to review and present the various activities undertaken by IT Department's faculty and students.

I thank the Graphics Designer for their effort and wish them best of luck for the future endeavors.



Dr. Vinayak Bharadi,
Associate Professor,
HOD IT

DEPARTMENT OF INFORMATION TECHNOLOGY

Editor's Message

Dear Readers,

It has been a great honor to work with IT department. The goal of this e-newsletter is to highlight the department's achievements and acknowledge the efforts of each and every student and faculty member who has had an impact in the department's success. Let us take a trip down the memory lane and we hope you can relive some of these moments with us.

Happy Reading!



Atiya R Kazi,
Asst Professor,
Dept of Info Tech.

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

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

PEO1

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

PEO6

TO ENCOURAGE LEARNERS TO USE BEST PRACTICES AND IMPLEMENT TECHNOLOGIES TO ENHANCE INFORMATION SECURITY AND ENABLE COMPLIANCE, ENSURING CONFIDENTIALITY, INFORMATION INTEGRITY, AND AVAILABILITY.

PEO7

TO DEVELOP EFFECTIVE WRITTEN AND ORAL COMMUNICATION SKILLS TO INTERACT WITH CLIENTS, USERS, CO-WORKERS AND MANAGERS. TO ENABLE LEARNERS 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)

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)

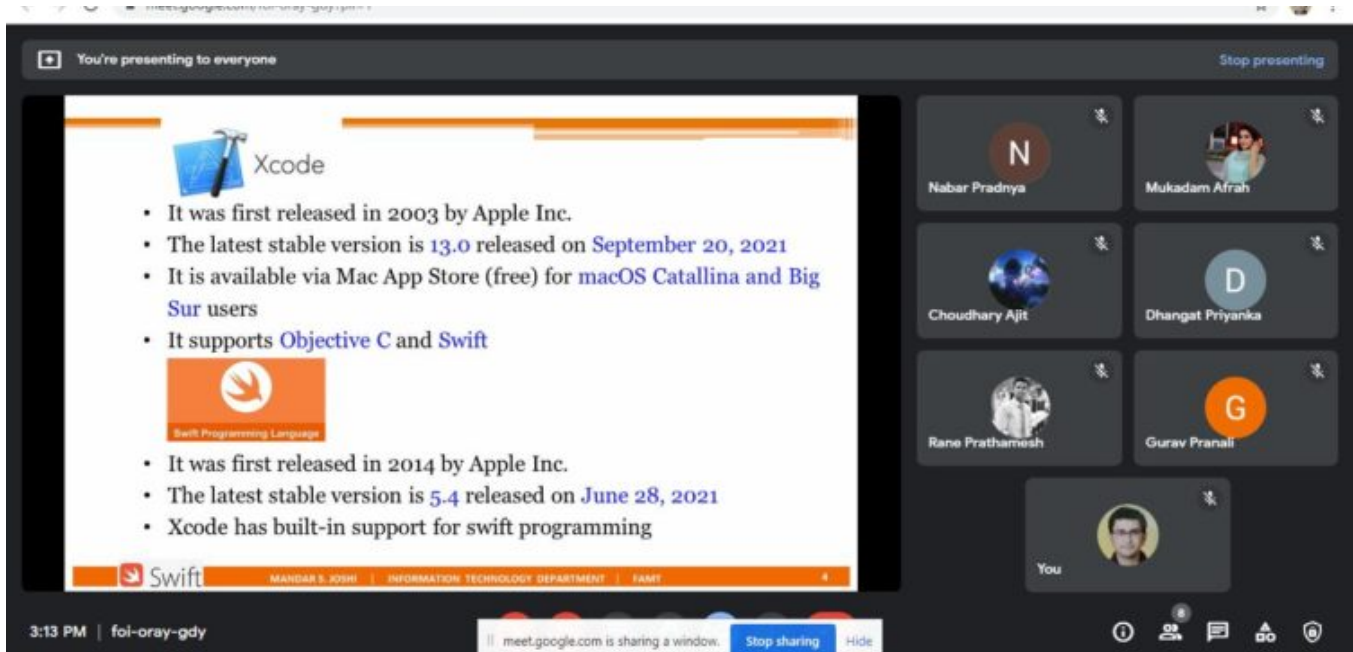
PSO1

**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.**

A VALUE-ADDED COURSE IN INTRODUCTION TO SWIFT PROGRAMMING & X-CODE



DEPARTMENT OF INFORMATION TECHNOLOGY HAD CONDUCTED A VALUE-ADDED COURSE TITLED INTRODUCTION TO SWIFT PROGRAMMING AND X-CODE IN ASSOCIATION WITH APPLE IOS DUP ON SATURDAYS FROM 02ND TO 30TH OCTOBER 2021 FOR ALL THIRD-YEAR STUDENTS OF FAMT.

THE VALUE-ADDED COURSE MADE THE STUDENTS AWARE OF SWIFT PROGRAMMING LANGUAGE USED BY COMPANIES - APPLE, COURSERA, META ETC. PROF. MANDAR JOSHI, ASSISTANT PROFESSOR WITH MORE THAN 15 YEARS EXPERIENCE, EXPLAINED THE SWIFT PROGRAMMING TO STUDENTS THROUGH DEMONSTRATION. FURTHER, TO DEVELOP THE PROGRAMMING SKILL OF STUDENTS, HE ASSIGNED HANDS-ON TASKS AND SHARED QUIZZES WITH THE PARTICIPANTS DURING THE COURSE PERIOD OF 30 HRS.

FAMT HAD APPLIED FOR THE COPYRIGHT TO THE DEPARTMENT OF PROMOTION OF INDUSTRY AND INTERNAL TRADE

**THE FOLLOWING THREE FACULTY MEMBERS FROM FAMT HAD
APPLIED FOR THE COPYRIGHT TO THE DEPARTMENT OF
PROMOTION OF INDUSTRY AND INTERNAL TRADE,
GOVERNMENT OF INDIA.**

- 1. DR. YOGESH MULYE, IQAC COORDINATOR**
- 2. DR. VINAYAK BHARADI, NAAC COORDINATOR**
- 3. DR. KAUSHAL PRASAD, PRINCIPAL, FAMT**

AN EXPERT SESSION ON USING NVIDIA JETSON NANO IN DEEP LEARNING

**AN EXPERT SESSION ON “USING NVIDIA JETSON NANO IN
DEEP LEARNING” WAS ORGANIZED BY THE DEPARTMENT OF
INFORMATION TECHNOLOGY ON 12TH OCTOBER 2021. THIS
PROGRAM WAS ORGANIZED FOR TE IT STUDENTS FOR
PROVIDING INSIGHTS INTO USING THE NVIDIA JETSON
NANO BOARD FOR DEEP LEARNING PURPOSES.**

THIS EVENT FOCUSED ON:

- PROVIDING THE OVERVIEW OF DEEP LEARNING, AI AND
MACHINE LEARNING.**
- STUDYING THE ROLE OF GPU IN MACHINE LEARNING AND
DEEP LEARNING.**
- UNDERSTANDING THE NVIDIA JETSON NANO BOARD, ITS
ARCHITECTURE AND APPLICATIONS.**
- DEMONSTRATION OF NVIDIA JETSON NANO
CONFIGURATION, HEADLESS MODE IMPLEMENTATION AND
DEEP LEARNING APPLICATION.**

WEBINAR ON “MACHINE LEARNING”

A WEBINAR ON “MACHINE LEARNING” WAS ORGANIZED BY THE INFORMATION TECHNOLOGY DEPARTMENT ON 21 SEPTEMBER, 2021. MR. PRATEEK TIWARI FROM ATS LEARNING SOLUTIONS, DELIVERED A SESSION FOR S.E. & T.E. IT AND CSE(AI&ML) STUDENTS THROUGH MICROSOFT TEAMS APP. THE MAIN OBJECTIVE OF ORGANIZING THIS WEBINAR WAS TO PROVIDE THE STUDENTS AN INSIGHT INTO CAREER PROSPECTS IN THE DOMAIN OF AI, ML ALONG WITH ESSENTIAL SKILL BUILDING.

THIS SESSION WAS ATTENDED BY 122 IT AND CSE(AI&ML) STUDENTS.

A WEBINAR ON MICROSOFT AZURE SECURITY ROUNDTABLE FOR MANUFACTURING & RETAIL

A WEBINAR ON ‘MICROSOFT AZURE’S SECURITY ROUNDTABLE FOR MANUFACTURING & RETAIL’ WAS ORGANIZED BY THE INFORMATION TECHNOLOGY DEPARTMENT IN COLLABORATION WITH MICROSOFT USA ON 08 SEPTEMBER 2021 FOR BE IT STUDENTS. IT WAS HOSTED THROUGH MICROSOFT’S TEAM PLATFORM.

THE MAIN OBJECTIVE BEHIND ORGANIZING THIS EVENT WAS TO DISCOVER THE SOLUTIONS TO MANUFACTURE A SUSTAINABLE FUTURE IN RETAIL. THE WEBINAR WAS ATTENDED BY 26 STUDENTS FROM BE IT.

MICROSOFT AZURE VIRTUAL TRAINING DAY: AI FUNDAMENTALS

MICROSOFT AZURE VIRTUAL TRAINING DAY: AI FUNDAMENTALS WAS ORGANIZED BY THE INFORMATION TECHNOLOGY DEPARTMENT IN ASSOCIATION WITH MICROSOFT ON 24 AUGUST 2021. TYCHO JUTA (AZURE TECHNICAL TRAINER- MICROSOFT) DELIVERED A SESSION FOR B.E IT STUDENTS THROUGH A WEB-BASED PLATFORM. THE MAIN OBJECTIVE OF THE TRAINING PROGRAMME WAS TO DISCOVER THE SOLUTIONS TO CREATE WITH AI AND THE AZURE SERVICES THAT CAN HELP IN BUILDING THOSE SOLUTIONS.

A TOTAL OF 54 IT STUDENTS REGISTERED FOR THE TRAINING.

A BRIDGE COURSE ON BLOCKCHAIN TECHNOLOGY IN NETWORK SECURITY

INFORMATION TECHNOLOGY DEPARTMENT ORGANIZED A BRIDGE COURSE ON BLOCKCHAIN TECHNOLOGY IN NETWORK SECURITY FOR TE IT STUDENTS ON 21-08-2021.

THE COURSE WAS CONDUCTED FROM 12:00 PM TO 03:00 PM VIA GOOGLE MEET.

PROF. ATIYA R KAZI (IT DEPARTMENT) COORDINATED AND CONDUCTED THE COURSE WITH GUIDANCE FROM HOD IT, DR VINAYAK BHARADI.

THE COURSE WAS ATTENDED BY 62 STUDENTS OF TE IT.

IT IS EXPECTED THAT AFTER ATTENDING THIS COURSE, STUDENTS CAN UNDERSTAND HOW BLOCKCHAIN IS AN INTEGRAL PART OF MANY APPLICATIONS SUCH AS CRYPTOCURRENCY, DIGITAL LEDGERS, AND EDUCATION MILESTONES.

WORKSHOP ON INTRODUCTION TO ROBOTIC PROCESS AUTOMATION USING UIPATH

**THE WORKSHOP ON 'INTRODUCTION TO ROBOTIC
PROCESS AUTOMATION USING UIPATH' WAS ORGANIZED
BY THE INFORMATION TECHNOLOGY DEPARTMENT ON 15
AUGUST 2021. PROF.AMAR R. PALWANKAR (ASSISTANT
PROFESSOR IT DEPARTMENT), DELIVERED A SESSION FOR
T.E. AND B.E IT STUDENTS THROUGH GOOGLE MEET. THE
MAIN OBJECTIVE BEHIND ORGANIZING THIS WORKSHOP
WAS TO PROVIDE STUDENTS WITH AN INSIGHT INTO
ROBOTIC PROCESS AUTOMATION USING UIPATH.**

**THIS WORKSHOP WAS ATTENDED BY 44 STUDENTS OF THE
IT DEPARTMENT.**

A FACULTY DEVELOPMENT PROGRAM ON DATA SCIENCE ESSENTIALS

**A FACULTY DEVELOPMENT PROGRAM ON
DATA SCIENCE ESSENTIALS WAS ORGANIZED
BY THE DEPARTMENT OF INFORMATION
TECHNOLOGY FROM 12TH AUGUST 2021 TO
23RD AUGUST 2021. THIS PROGRAM
INCLUDED AN OVERVIEW OF THE FOLLOWING
KEY AREAS OF DATA SCIENCE:**

**AI FUNDAMENTALS
MICROSOFT AZURE FUNDAMENTALS
DATA FUNDAMENTALS**

OUR STUDENT ACHIEVEMENTS



Microsoft Learn Student Ambassador



MS. KAVYASHREE OF TE IT (ROLL NO 74) OF FAMT RATNAGIRI IS SELECTED AS MICROSOFT LEARN STUDENT AMBASSADOR.

THIS IS A PRESTIGIOUS PROGRAM CONDUCTED BY A WELL-KNOWN INTERNATIONAL BRAND "MICROSOFT". THIS IS A WORLD-RENOWNED IT COMPANY.

THE STUDENT AMBASSADORS GET ACCESS TO UNIQUE RESOURCES LIKE OUR GLOBAL STUDENT NETWORK ON MICROSOFT TEAMS AND A MICROSOFT 365 ACCOUNT AND CAN EARN BADGES FOR ACTIVITIES AND CONTRIBUTIONS TO UNLOCK ADDITIONAL BENEFITS SUCH AS CLOUD CREDITS.



ALUMNI TALKS

A webinar was arranged on How to Crack TCS-NQT.

The webinar was arranged for the Final year students of the Department of Information Technology on 7th August 2021. Mr Jawwad Kazi, Asst. System Engineer, TCS (Alumnus 2019 FAMT, Ratnagiri) conducted the webinar. In this webinar, He explained the TCS NQT test format, how to prepare for the TCS, share some useful resources, the Interview Process, Time management and some guideline for the coding round. The students learnt ideas about how to prepare for the TCS-NQT 2021. A total of 34 students attended the very interactive session and were very pleased with the webinar.

Expert Talk on Roadmap for Masters (MS) in the USA

An Expert session was arranged on Roadmap for MS in the USA. The session was arranged for the Third year students of Information Technology on 7th August 2021. Mr Prateek Joshi (Alumnus FAMT, Ratnagiri) delivered the talk.



A Webinar on Opportunities and Challenges In Corporate Jobs

Mr Dattatray Karambelkar explained the different opportunities and challenges in the IT industry. He guided the students about their project especially to select a topic, how to start a project, which parameter consider by the company at the time of the fresher's interview and many more points about industry expectations from freshers.

INFORMATION
TECHNOLOGY
DEPARTMENT HAS
BECOME A MEMBER
INSTITUTION OF
AMAZON WEB
ACADEMY TO
PROMOTE FACULTY
AND STUDENT AWS
TRAINING SKILLS
THROUGH AWS
EDUCATE PROGRAM



Amazon AWS Educate



Click to add text

aws academy
Member Institution

**AWS Educate
Grant for Last
Three Years**

- Students Use this Grant for Course work and Mini Projects

**3 Faculty
Completed
Course Training**

**15 Students
Completed
Course Training**

aws
educate

**Cloud
Ambassador**



Achievements : Research Grants Received



Dr. Vinayak Ashok Bharadi received following Grants

| Amazon | Amazon |
|-------------------------------|--------------------------------------|
| \$3850 | \$3450 |
| March 2020 | Jan 2021 |
| AWS Access | AWS Access |
| Big Data Analytics and IoE | Internet of Everything Mini Projects |
| Amazon AWS Educators Grant | Amazon AWS Educators Grant |
| For the course of IoE and BDA | For the course of IoE |



AWS BIG DATA SOLUTION



AWS DynamoDB



AWSS3



AWSSQS

Achievements : Research Grants Received



Dr. Vinayak Ashok Bharadi received following Grants

| NVIDIA | Microsoft Azure | Amazon | Amazon | Amazon |
|---|--|-----------------------------------|--------------------------------------|-------------------------------|
| \$1600 | \$5000 | \$17 | \$3850 | \$3600 |
| Feb 2017 | March 2017 | Aug 2018 | March 2019 | Jan 2019 |
| INR 1.07Lacs | INR 3L worth Azure Cloud Access | AWS Access | AWS Access | AWS Access |
| NVIDIA Titan X Pascal GPU | Cloud Computing | Cloud Computing | Cloud Computing | Cloud Computing |
| NVIDIA Developer Program | Microsoft Azure Educator Grant | Amazon AWS Educators Grant | Amazon AWS Educators Grant | Amazon AWS Educators Grant |
| Improving performance of Weber Local Descriptor based feature Vector Extraction of Multimodal Biometric System consisting of Iris and Online Handwritten Signature. | Biometric based SaaS Cloud architecture for online signature recognition on Windows Tablet PC using REST API | For the course of Cloud Computing | For the course of Big Data Analytics | For the course of IoE and BDA |

IT faculty members Dr. Vinayak Bharadi and Prof. Amar Palwankar acquired the prestigious NVIDIA Jetson Grant



NVIDIA. NVIDIA Jetson Grant

Dr. V A Bharadi and Prof. A R Palwankar



NVIDIA Developer Program
• NVIDIA CUDA Development

2 Faculty Members Received the Hardware

6 NVIDIA Jetson Nano 2GB Development Kits





PLACEMENT BUZZ

Placement Analysis

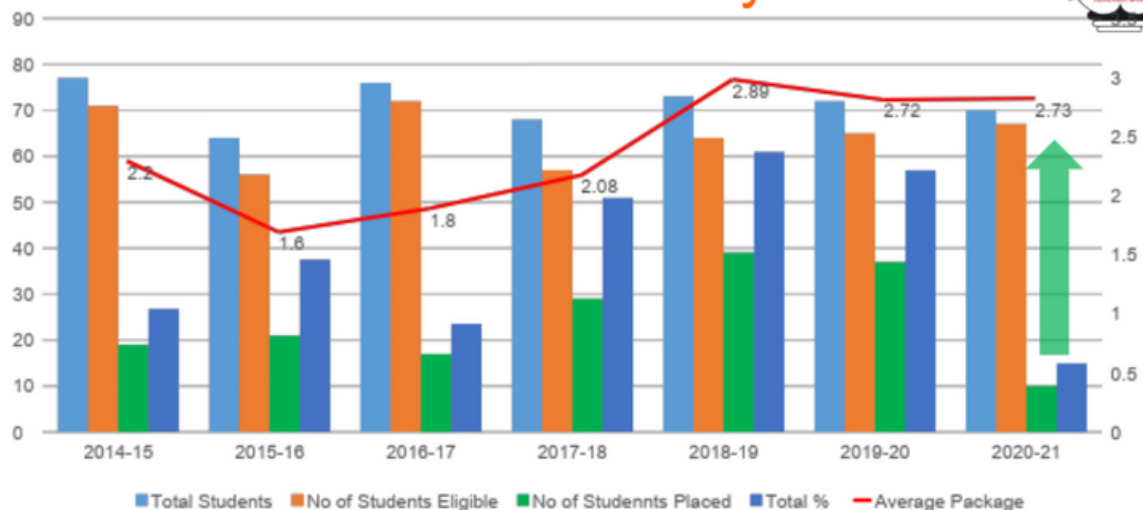
Improvement in Placement Quality



| AY 2017-18 | | | AY 2018-19 | | | AY 2019-20 | | | AY 2020-21 | | |
|------------|--------------------------|---------|------------|-----------------|---------|------------|-----------------------|---------|------------|---------------|---------|
| Sr. | Company | Package | Sr. | Company | Package | Sr. | Company | Package | Sr. | Company | Package |
| 1 | Syntel | 3.2 | 1 | BYJUS | 7 | 1 | TCS | 3.6 | 1 | Infocenter | 3.7 |
| 2 | Quinnox | 3.2 | 2 | Demand Farm | 5 | 2 | Infosys | 3.6 | 2 | TCS | 3.6 |
| 3 | Mphasis | 2.4 | 3 | RSL | 4 | 3 | Coditas | 3.6 | 3 | Softlink | 2.8 |
| 4 | Make My Holidays | 2.4 | 4 | TCS | 3.6 | 4 | Eternus Solutions | 3.6 | 4 | WebTeck Soln. | 2.3 |
| 5 | Mind Tree Consultancy. | 2.4 | 5 | L&T Infotech | 3.2 | 5 | Acty System | 2.4 | 5 | Quinnox | 2.2 |
| 6 | Seed Infotech Mumbai | 2.2 | 6 | WIPRO | 3 | 6 | Clover Infotech | 2.2 | 6 | Global Spaces | 2.2 |
| 7 | Vyom Labs | 2.2 | 7 | Jocata | 3 | 7 | Network Labs | 2.2 | 7 | Infomatics | 1.8 |
| 8 | CMS IT Services | 2.2 | 8 | Epic Research | 2.6 | 8 | Webtech | 2.2 | Average | | 2.65 |
| 9 | Globenet Solutions | 2.2 | 9 | NUCSOFT | 2.4 | 9 | Greyatom (HTD) | 2.2 | | | |
| 10 | RAA Technocrats Mumbai | 2.2 | 10 | BridgeLabz | 2.2 | 10 | Aegis Health Solution | 1.9 | | | |
| 11 | Qspiders | 2.2 | 11 | Qspider | 2.2 | 11 | Infocenter | 1.9 | | | |
| 12 | Bhilwara Info. Tech. Ltd | 2.2 | 12 | Pleximus | 2 | Average | | 2.67 | | | |
| 13 | Amazon | 2.2 | 13 | RK Infosystem | 1.9 | | | | | | |
| Average | | 2.4 | 14 | Ripple Advisory | 1.8 | | | | | | |
| | | | Average | | 2.43 | | | | | | |

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Placement Analysis



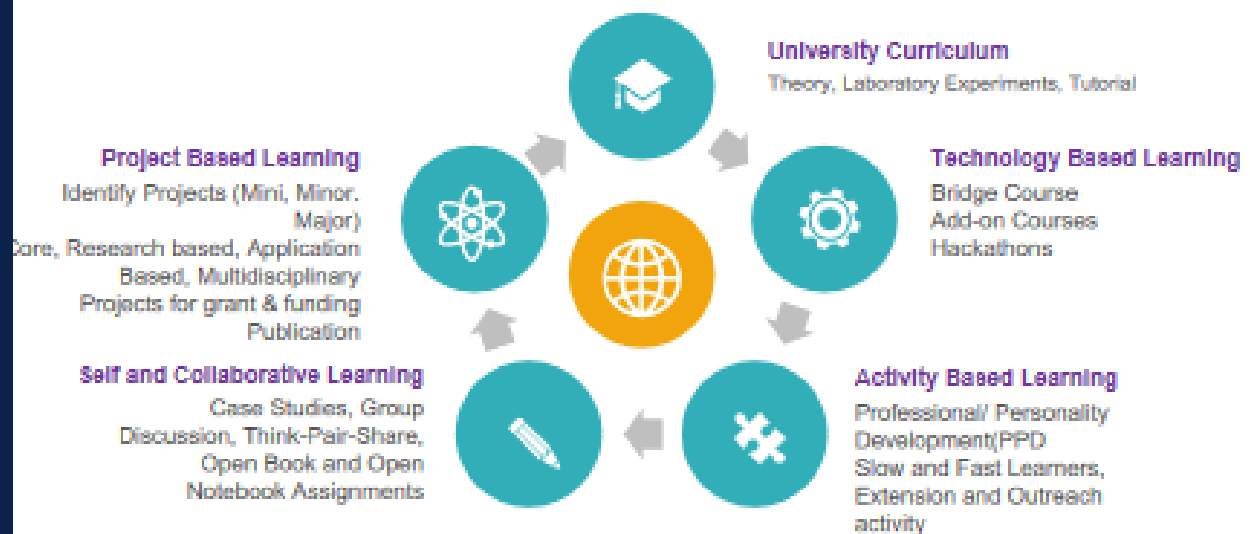
*Package Details are Approx. for AY: 12-13, 13-14, 14-15

**Placement for AY 2020-21 is in Progress

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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



Apple iOS Developer Program

Crossword Labs

OBE OUTCOME-BASED EDUCATION



IBM Academic Initiative



Intel Intelligent Systems



1

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



1

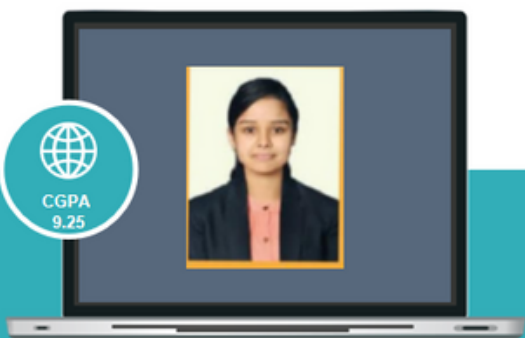


Rank Holder at University Level

Insert the title of your subtitle Here

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

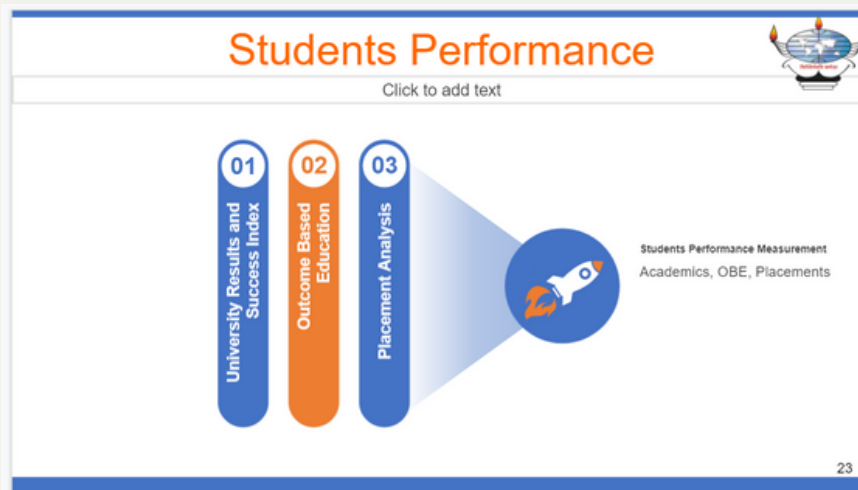
CGPA
9.25



Student Development Activities



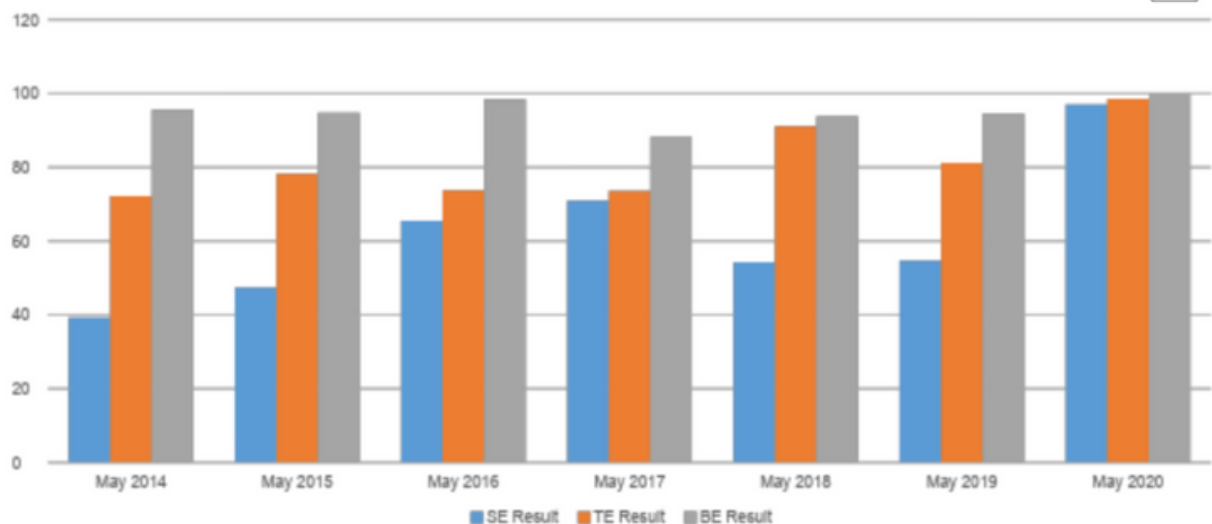
RESULTS FOR FIRST HALF 2021



Our results highlight how we

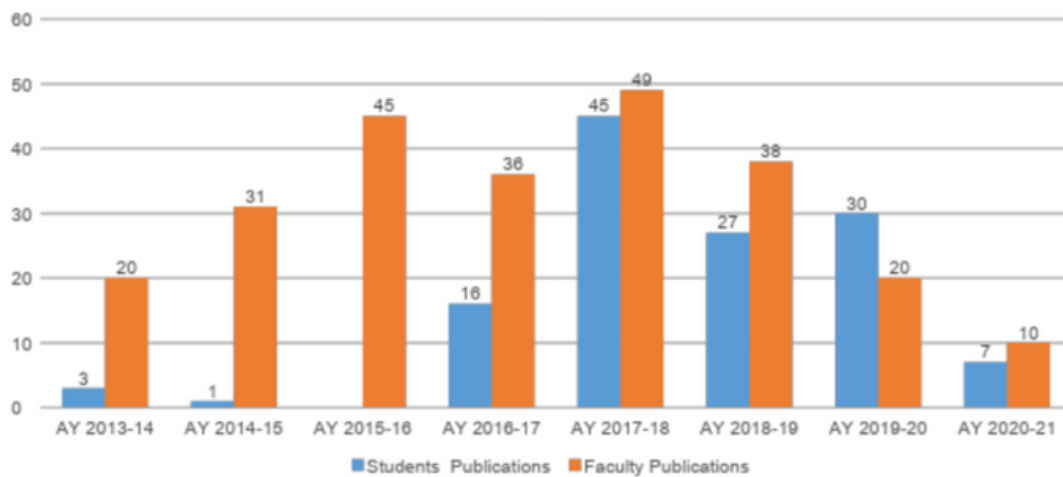
- Celebrate achievements
- Give motivation
- Highlight accomplishments
- Provide support
- provide Interview and placement training

IT Department Results



Publications by Student and Faculty

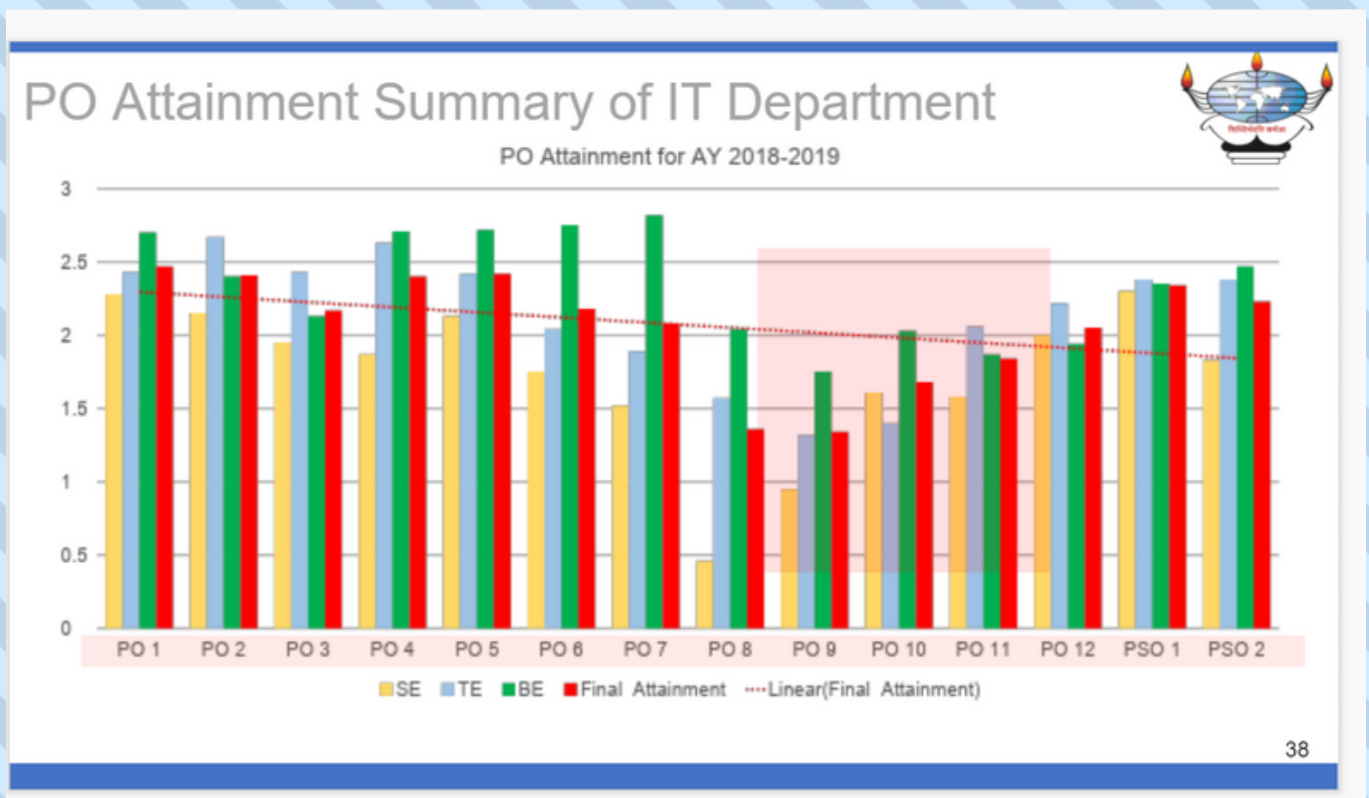
IPR Generation

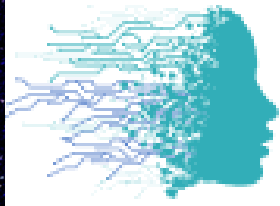


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PO ATTAINMENT SUMMARY





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

AW& Educate Academy (2020-2021)
Complete the Faculty members Certifications in ACP and Start the batches

IBM Academic Alliance (2020-2021)
Activities under the MoU

ACM Collaboration (2018-2020)
Professional Chapter collaboration with ACM

*Thank
you!*