



DEPARTMENT OF COMPUTER ENGINEERING



Computer NEWS

VOLUME 1 ISSUE 9 JANUARY 2022



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From the Editor's Desk



It gives me immense pleasure to present to you the latest issue of our department newsletter. It is an amalgamation of the semester-long hard work and dedication. Our newsletter brings to you a mosaic of intellectual contributions, activities, events, guest lectures, seminars, experiences, and much more. Our department always tries to balance and put up a holistic platform for growth and development by conducting activities in all realms like social, technical, and cultural perspectives.

Even though this semester too went in online mode, faculty and students were better prepared this time and did the best they could. You will see the details of the various certification courses, internships, research publications, and faculty development programs undertaken by our proactive faculty members.

We feel immensely proud to present the placement statistics of this year and the fact that our students have achieved some remarkable offers from esteemed IT companies.

The ACM student chapter went beyond their way to design some really innovative and unique technical activities and events for our students.

All in all, this was a wonderful experience to bring to you a platform to showcase the work of department students and faculty. I hope this would encourage more students to come forward and use this as a medium to express their creativity.

I would like to thank the editorial team, especially Sasha and Leona for their efforts in putting up this together. I would also like to thank our head of the department, Ms. Sana Shaikh, for giving me this opportunity.

I really hope this issue makes for an interesting read! Happy Reading!

*With best wishes,
Ms. Ditty Varghese*

From the HOD's Desk



With great pleasure I introduce you to the Department of Computer Engineering, DBIT. Computer Engineering is a versatile, dynamic and evergreen branch of engineering. The major strength of the department is a team of well qualified and dedicated faculties who are continuously supporting the students for their academic excellence. The students and faculties of the department are always proactive in taking initiatives in technical, cultural and social events. I hope that this newsletter will serve the purpose of reflecting all activities of the department and it will inspire others to do their best.

In this dynamic field, there is a constant need for up-gradation not only for the students but also for the faculties. Despite the busy schedule, faculties have not let their guards down and have continuously upgraded themselves with the need of the current demand. The Department always encourages, motivates and supports students not only for their academic excellence but also helps them to fast track their professional journey.

The Department has recorded consistent improvement in its academic, research and placement performance. We offer a range of innovatively designed value added courses and certification courses whose curricula are constantly updated to meet the changing requirements of the industry. The students are always encouraged to get hands-on experience in the corporate world through internship projects. In their curriculum, they are encouraged to take up mini projects to supplement theoretical knowledge with practical experience.

Our students are not only academically sound and disciplined but they also showcase their talents under non-technical, technical and cultural forums. We also encourage students to organize events such as Tecknack, Coding competitions, workshops on latest tools and technologies, participate in various events organized by other colleges and also get involved in activities of social relevance.

It is our constant endeavor to maintain the highest quality of departmental processes, for which we take into consideration the opinion of all stakeholders like mentors, industry experts, parents and our alumni.

I would like to thank the management for their unconditional support and guidance. The Department wouldn't have moved ahead without the hard work and never-say-die attitude of my colleagues. It is their dedication and commitment which has helped to achieve our targets and goals. I also would like to thank the Editorial team for designing this newsletter. With this brief introduction, I invite you to go through this newsletter which highlights the achievements of the department. Looking forward to having many more future editions.

With best wishes,
Ms. Sana Shaikh

Internships 21-22

Sr.No.	Name of student	Year	Name of company
1.	Siddhanth Raje	BE	Resolute AI Software Pvt. Ltd.
2.	Shawn Louis	BE	YWCA of Bombay
3.	Ruvin Rodrigues	BE	FlockFlair YWCA of Bombay

Placements 21-22

Total Number of Students	76
Total Number of Students Registered for Placements	68
Total Dream Offers	44
Number of Eligible Students	44
Number of Eligible Placed	42
Number of Non Eligible Students	10
Number of Non Eligible Placed	09
Total Number of Students Placed	51
Unplaced Eligible	02

PLACEMENTS 21-22

Placed Students Batch of 2021-22
Dream & Super Dream Students Placement Statistics

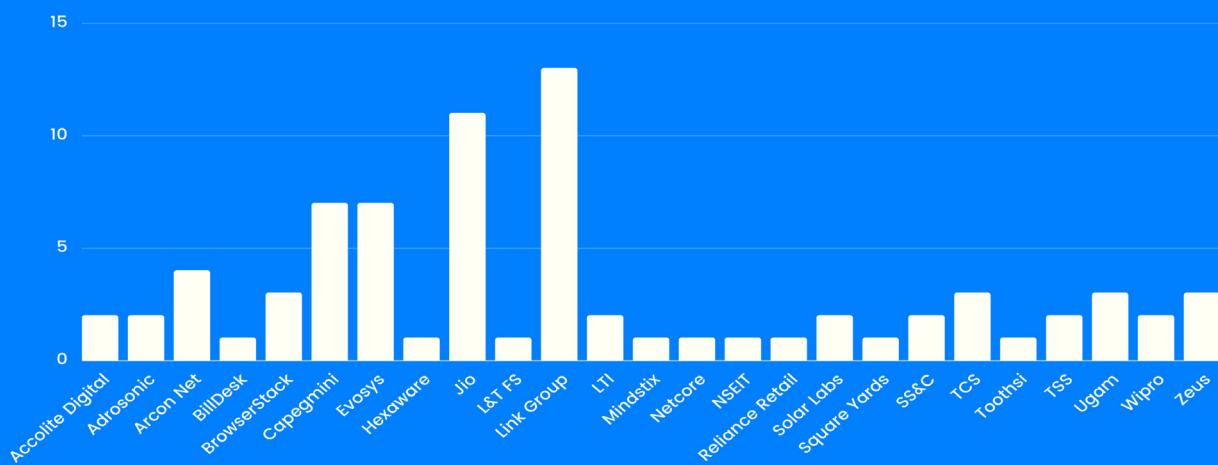
Department of Computer Engineering

PLACEMENTS 2021-22

Company-wise Placement Statistics

Number of Students Placed per company

As on 15th February 2022

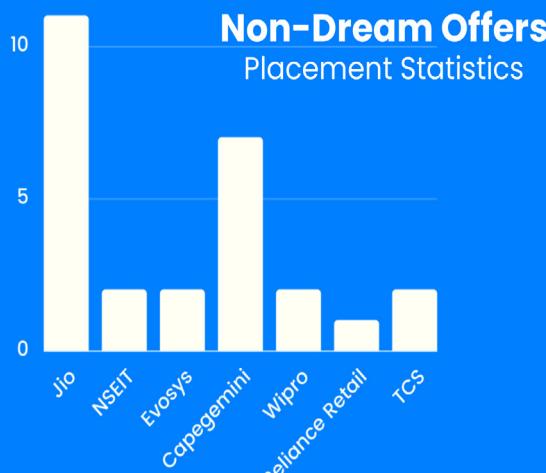


Department of
Computer Engineering

PLACEMENTS 2021-22

List of Placed Students

As on 15th February 2022



Name	Company	Package
Aamod Sawant	Jio	4.5
Agnel Salve	Jio	4.5
Alvina Joy	Jio	4.5
Palak Rai	NSEIT	4.5
Reena Kale	Jio	4.5
Riona Dsouza	Jio	4.5
Saloni Dhotre	Jio	4.5
Ayushman Pandita	Evosys	4
Jason	Evosys	4
Jobinsi Prince	Capegemini	4
Om Rajurkar	Capegemini	4
Anuj Panchal	Wipro	3.5
Sumit Vishwakarma	Wipro	3.5
Priyal Vaz	Reliance Retail	3.5
Riya Tikoo	TCS	3.36

PLACEMENTS 21-22



Hayden Cordeiro
BrowserStack (18 LPA)



Jivin Varghese
BrowserStack (18 LPA)



Kunal Jadhav
BrowserStack (18 LPA)



Yash Nage
Toothsi (10 LPA)



Piyush Sonar
SS&C (9.5 LPA)



Sonal Chaudhari
SS&C (9.5 LPA)



Deepankar Gupta
Solar Labs (9 LPA)



Pradnya Tendolkar
Solar Labs (9 LPA)



Aparna Sarawadekar
Capgemini (7.5 LPA)



Denvin Davis
Capgemini (7.5 LPA)



Athira Lonappan
L&T FS (6 LPA)



Joshua Sequeira
Billdesk (6 LPA)



Denzita Dsouza
Link Group (6 LPA)



Tushar Tripathi
Link Group (6 LPA)



Suman Semalty
Link Group (6 LPA)



Noel Joe
Link Group (6 LPA)

PLACEMENTS 21-22



Slade Ferrao
Link Group (6 LPA)



Kevin Johnson
Link Group (6 LPA)



Pakshal Ranawat
Link Group (6 LPA)



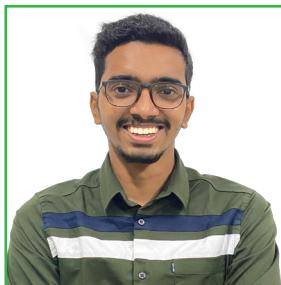
Tejas Redkar
Link Group (6 LPA)



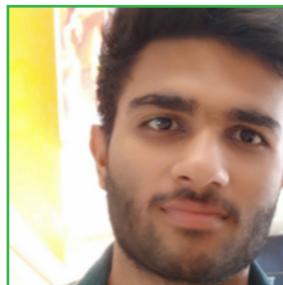
Rutuja Bhate
Link Group (6 LPA)



Shawn Louis
Link Group (6 LPA)



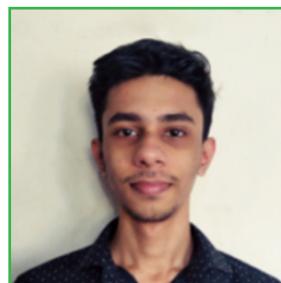
Grejo Joby
LTI (5 LPA)



Kunal Chaudhary
Accolite Digital (5 LPA)



Esther Fernandes
Arcon (5.25 LPA)



Samuel Monteiro
Arcon (5.25 LPA)



Snehal Chougule
Arcon (5.25 LPA)



Andrea Lobo
Ugam (5 LPA)



Lav Sharma
Ugam (5 LPA)



Vinicio Dsouza
Zeus Learning (5 LPA)



Hariharan Iyer
Zeus Learning (5 LPA)



Johann Charlamal
Ugam (5 LPA)

ACM-DBIT

ACM has always been an important part of the Department of Computer Engineering. ACM enables the students to step out of their comfort zones, learn newer technologies, to participate in activities, workshops, training and be part of industry projects to improve their skill sets to be industry ready while graduating.

ACM DBIT X Girls4Impact:

ACM this year, also took a new initiative as a social commitment. A **10-week Python course**, a collaborative event between ACM and Girls4Impact was initiated on the 23rd of October, 2021 and later on continued on every weekend for a duration of 10 weeks.

The 10-week long course focused on helping out young girls set their footing in programming. The workshop was aimed at introducing the concept and the basics of programming in python along with the utilization of various development tools. The volunteers were second year students of DBIT. Each volunteer was assigned around 2-3 students. The sessions were conducted on a one-to-one level to give a more personalized learning experience. The participants were the students from Muni International school from the age group of 14-17 years old.

Objectives:

- To encourage young girls to step up in the technical field.
- To educate girls in the most in demand programming language-Python.
- To teach the students through simplistic yet powerful examples.

Plan:

- Week 1: Problem Solving and Critical Thinking (Preparation for the program)
- Week 2-9: Introduction to Python
- Week 10: Python Mini Workshop (Project)

Outcomes:

- To make a difference in fixing the gender gap between the engineering and tech industry.
- To empower young girls to pursue engineering as a career
- To try and alleviate poverty by educating low-income youth



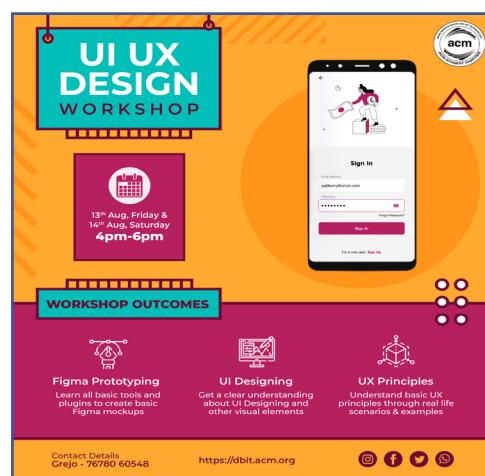
ACM Core Team organized various webinars, workshops, and sessions for the students throughout the semester. Their dedication, passion, and innovative ideas were given wings by the constant guidance and encouragement from the faculty coordinator - Ms. Sana Shaikh. Some of the highlights are:

Codemaster-101 hacks to code

ACM started off the academic year 2021-2022 with their first event “Codemaster- 101 hacks to code” which took place on the 3rd July, 2021 from 11:00 am to 1:30 pm. This event aimed to explain and clarify all the misconceptions, frequent errors and most in demand hacks pertaining to programming and utilizing various terminals, editors and IDEs effectively with the help of 101 hacks. This event was mainly focused towards the First-year students, keeping in mind as they are quite new at programming, it was aimed to lead them on the right track in regards with coding. The Session was divided into two segments, wherein at the end of each segment there would be a quiz and doubt solving session, the winners of the quiz received a cash prize after the event.



UI/UX Workshop



ACM's UI UX Design Workshop was held over a duration of 2 consecutive days dating 13th-14th August 2021 from 4:00 pm to 6:00 pm. The main objective of this hands-on workshop was to help students gain a new skill and guide their existing creativity in a proper direction. Looking at the steady rise and demand in design related opportunities, the workshop was open for all the branches and all engineering colleges, with an aim to help educate a larger crowd about UI UX. Many of our participants submitted their entries by uploading them on the google drive link. Out of those entries the top 3 mockup designs were declared as the winners and they were featured on the official ACM Instagram and LinkedIn page.

BattleCode-Where tabs meet spaces

ACM held its first competitive coding competition BattleCode- where tab meets spaces for the academic year 2021-2022 on 4th September from 11:00 am to 12:30 pm.

The main objective of this competition was to help students get a feel of the competitive coding environment and sharpen their algorithm design, coding skills and logical thinking ability. The competition was open for all the branches and all engineering colleges, with an aim to acquaint more people with competitive coding problems and familiarize them with Hackerrank as a coding platform.

At the end of the competition all the participants were provided with an ecertificate and the candidates shortlisted after the evaluation process would get a chance to be a part of ACM's Technical Team.



Photoshop Workshop

ACM's Photoshop Workshop was held on 9th September 2021 from 5:00 to 7:00 pm. The main agenda behind this workshop was to get more people to understand and get hands-on experience on Photoshop.



As Photoshop is the most in demand software, the workshop was kept open for all the branches and all engineering colleges for a minimal fee of Rs.10 for ACM members and Rs.30 for the rest. A day prior to the workshop, the participants were given the link to download the software and all the assets which would be required for the duration of the session.

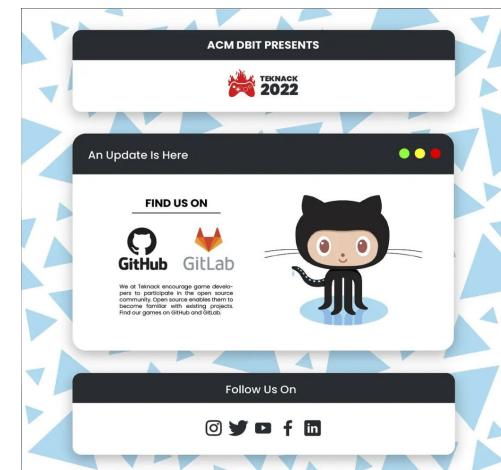
The announcement of the Design Competition and the Deadline were declared, also the contestants would be scheduled to give an interview to be a part of ACM's design team. The topic for the competition was to create and design a movie poster using Photoshop. All the participants were provided with an e-certificate of participation.

GitHub

ACM organized a session on Git and GitHub on the 18th of September 2021, from 11:00 am to 12:00 pm. This session was held exclusively for the second-year computer engineering students on the platform of google meet.

The primary objective behind this session was to introduce the basics of the Version Control System - Git and the development platform - GitHub.

To demonstrate various functionalities of the interface and familiarize the students with the platform as they will require it while implementing their mini project as well as while working on future projects. Students were informed to download the required software (Git) via a link that was provided a day prior to the session.



Wordpress Workshop

Wordpress Workshop was ACM's first collaborative event with IETE for the academic year 2021-2022.



The workshop was held on the 20th of September, 2021 at 5:00 pm. The hands-on workshop was kept free for ACM and IETE members whereas non-members had to register for a minimal amount of Rs.30/-.

The primary focus behind this workshop was to educate the second year students of various departments on the attributes of wordpress and how one can create state of the art webpages as also potent blogs without making use of a single line of code with the assistance of wordpress. All the participants were provided with an e-certificate of participation.

Technical Job Interview Crash Course

ACM organized a technical job interview crash course session, which was conducted on the 24th of September 2021 from 11:00 am to 01:00 pm on the platform of zoom. The main motive behind this session was to prepare the BE students of the EXTC branch for technical interviews by brushing up on the basics of object-oriented programming (OOPS) and programming concepts. Mr. Grejo Joby along with Mr. Hayden Cordeiro addressed this session expeditiously.



Unity Engine Workshop



ACM's Unity Engine Workshop was held over a duration of 2 consecutive days dating 16th to 17th October, 2021 from 2:00 pm to 5:00 pm.

The key intention of this workshop was to help the participants get acquainted with the basic features and functionalities of Unity Engine which would further on help them during their game development process for ACM's Flagship event Teknack.

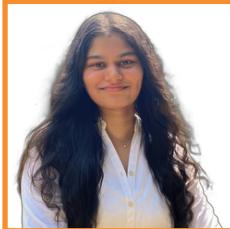
Unreal Engine Workshop

ACM's Unreal Engine Workshop was held over a duration of 2 consecutive days dating 16th to 17th October, 2021 from 2:00 to 5:00pm.

The focal point of the workshop was to make the participants familiar with Unreal Engines game development tools and functionalities. The workshop also aimed to instruct the participants on the tricks and tips which would make their further on game development process for Teknack much more simplistic.



Student Achievements



Sasha Rebello

- **Projects:** ReachOut(Website), Website Contributor(DBIT Website)
 - **Achievements:** Top Performing Team- HackTable
 - **Responsibilities Handled:** LITSOC- Editorial Head, ACM DBIT- Technical Team
-



Siddharth Dhaigude

- **Projects:** Web Developer: Anti-Plastic Brigade Charitable Trust
 - **Responsibilities Handled:** ACM DBIT- Assistant Technical Head, DBIT SevaTech- FullStack Developer
-



Boris Edison

- **Projects:** Leads Tracker(Chrome Extension), Tindog(Website), Drum Kit(Website), Student Registration Form(GUI Toolkit), Web Developer: Anti- Plastic Brigade Charitable Trust.
 - **Volunteering:** DBIT SevaTech
-



Bipin Giri

- **Achievements:** 5 Star at Hackerrank, COP Python Quiz
-

Courses Completed by Students:

- **Alston Fernandes:** The Complete ReactJS course- Basics to Advanced
- **Bipin Giri:** COA Course, Data Science Basics
- **Boris Edison:** JavaScript Programming
- **Sasha Rebello:** Django Workshop, Tinkercad Circuits
- **Siddharth Dhaigude:** Machine Learning A-Z: Hands on Python & R in Data Science
- **Siddhesh Madkaikar:** Introduction to Deep Learning
- **Shrikrishna Umbare:** Fundamentals of Network Communication, Scrum fundamentals, SQL for Data Science, Six sigma yellow belt, Cyber Security and Ethical Hacking

Faculty Contributions



Dr. Amiya Tripathy

Research Publication:

- “A Blockchain-Based Verification System for Academic Certificates,” H. Gaikwad, N. D’Souza, R. Gupta and A. K. Tripathy, 2021 IEEE International Conference on System, Computation, Automation and Networking (ICS-CAN), 2021, pp. 1-6, doi: 10.1109/ICSCAN53069.2021.9526377.
- “Cryptanalysis of Near Field Communication Based Authentication Protocol for Mobile Payment System”. Vishwakarma, P.P., Tripathy, A.K. & Vemuru, S. Springer Journal-Wireless Pers Commun (2021). <https://doi.org/10.1007/s11277-021-08667-x>

Program Committee Member:

- 8th International Conference on Foundations of Computer Science & Technology (CST 2021). December 23 ~ 24, 2021, Sydney, Australia
- IEEE 2021 International Conference on Advances in Computing, Communication and Control (ICAC3’21), 7th Edition, 3-4 December 2021
- 6th International Conference on Cloud Computing and Internet of Things, September, 22-24, 2021, Okinawa, Japan

Track Chair/ Special Session:

- Technology in Agriculture for Sustainable Development to 2021-IEEE Bombay Section Signature Conference, November 18-20, 2021,
- Metaheuristics algorithms for Computer Vision : Methods, tools and Applications at 21st International Conference on Intelligent Systems Design and Its Applications (ISDA) on World Wide Web December 13-15, 2021. <http://www.mirlabs.net/isda21>

Webinar Delivered at DBIT:

- “How to Find and Read Research Paper for Literature Review”, 9 August 2021
- Data Analytics and Security Mechanisms for Service Change, 3 September 2021
- Carrying Undergraduate Research and Innovation, 4 September 2021
- Ethics in Engineering Research Practice, 21 September, 2021

Webinar Delivered at Other Institute:

- Demystifying Data Science & Machine Learning at GEC, Bhubaneswar, Odisha on 1 September 2021
- Fusion of Analytics and Service Management in the Digital Age, at ICRSCT- 2021 Conference, 25 July 2021 at KACS College Shirur, Maharashtra.
- Data Science & Analytics (For a service change) at RAIT, Navi Mumbai, 5 July 2021
- Data Science and Analytics at STTP, DJS college of Engineering Mumbai, 15 July 2021.
- Building Emotional Intelligence, Pillai College, 9 July 2021

Workshops:

- 2021 IEEE Workshop on Spatial Geoinformatics using Machine Learning Approaches
- “External Auditor” for Academic Audit for IT Department at Shah & Anchor College, Mumbai, 28 September 2021
- University of Mumbai, ME (Artificial Intelligence-Data Science) PG Course syllabus Design committee.
- Hosted IEEE GRSS Bombay Chapter’s technical webinar on “ Chemiresistive and ChemFET Array for detection of Environmental Pollution” on Friday, 23 July 2021.

Faculty Contributions



Ms. Sana Shaikh

ACM Coordinator

Workshops Conducted:

- Codemaster- 101 hacks to code (3rd July 21) for SE and BE Comps
- E-XHIBITION (from 10th August onwards)
- UI/UX Hands-on Design Workshop (13th and 14th Aug 21)- SE Comps
- Technical Job Interview Crash Course (24th September, 2021)
- Unity Engine Workshop (16th and 17th October, 2021)
- Unreal Engine Workshop (16th and 17th October, 2021)
- 10-week python course (23rd October, 2021- 8th January, 2022)
- A Photoshop Workshop
- Github workshop for SE Comps
- BattleCode Competition
- Coding Workshop for BE EXTC
- Wordpress workshop

FDP:

- Successfully completed AICTE Training And Learning (ATAL) Academy Online Elementary FDP on “FDP On Creating and Publishing e-Content in Technical Teaching Learning Process” from 5th July to 9th July’2021
- FDP on “Insights of NBA”organized by department of IQAC, K.C College from 28th June to 30th June ’21.

Webinars organized and attended:

- Organized and attended a webinar on the eve of “International Yoga Day”, 21st June 2021, for the faculty and students of Don Bosco Institute of Technology and Don Bosco College.
- Completed Microsoft Azure Virtual Training.- 24th June 21
- Attended webinars on “Taking Creativity Online and Creating a thought-provoking mind” organized by Adobe Essential Education on 18th May 2021
- Webinar- on Basic of IPR and Indian Patent Filing (15-16 July)
- BDA guest session Organized on “Big data analytics and Security mechanism for Service Change” by Dr. Amiya

Papers Published:

- Paper “TradeZilla Using Algorithmic Trading” published in: 2021 IEEE India Council International Subsections Conference (INDISCON)
- Paper “Geographical Crime Rate Prediction System” published in: 2021 IEEE India Council International Subsections Conference (INDISCON)
- Paper titled “Near real-time air pollution monitoring and analysis using cloud based GIS” submitted and accepted at DBIT Journal of Science and Engineering.

ICT Tools Used:

- Delivered online lectures using zoom, Moodle for content delivery.

Innovative Teaching:

- Discussion Forum, Blended classroom approach, Mini-Projects, Free online terminal for experimenting NoSQL commands, Quiz on Moodle- MCQ test + Snake and Ladder Game based quiz assessment

Faculty Contributions



Dr. Phiroj Shaikh

STTP Session delivered:

- Delivered a STTP session on “IPR and Its Protection Through Patents”, scheduled on “9th July, 2021” in six Days STTP Program on “IPR-Copyright and Patenting” scheduled from 5th-10th July 2021 organized by Department of Information Technology, Ramrao Adik Institute of Technology, Navi Mumbai, India.

Webinars Attended:

- Attended webinars on “Basics of IPR and Indian Patent Filing on 15th and 16th July ’21.”

Papers Published:

- Published a research article “Translation Using machine learning from English Speech to Devanagari Automated for You”, at International Journal of Computer Applications (0975- 8887), Volume 183- No.9, June 2021
- Paper submitted for research article, “Cerebro Voice – Your Safety Partner”, at IEEE 2021 International Conference on Advances in Computing, Communication and Control (ICAC3’21) 7thEdition (3rd and 4th December 2021)
- Paper submitted for research article, “Cerebro Voice – Your Safety Partner”, International Conference on Innovative Computing and Applications (ICICA’21)
- Paper submitted for research article, “Driver’s Attention and Stress Monitoring”, at International Conference on Innovative Computing and Applications (ICICA’21)
- Paper submitted for research article “Campus Safety and Hygiene Detection System using Computer Vision”, International Conference on Innovative Computing and Applications (ICICA’21)

ICT Tools used:

- Delivered online lectures using zoom, Moodle for content delivery.

Innovative Teaching:

- Discussion Forum, Mini-Projects, Quiz on Moodle- MCQ test, Self Learning through Interactive quiz embedded video lecture.

Other Academic Session delivered

- Delivered a session on “Building a Successful Mini Project”, for 3rd semester Computer Engineering students on 3rd September 2021.



Mr. Imran Mirza

DBIT SevaTech Coordinator

Projects-

1.Anti Plastic Brigade Charitable Trust(Website)

2.YWCA of Bombay

An Application to administer and manage various events for Young Women's Christian Association (YWCA) of Bombay.

Faculty Contributions



Ms. Sejal Chopra

Webinars Organized and attended:

- Webinar- on “Basic of IPR and Indian Patent Filing” for BE computer students (15-16 July 2021)
- Organized and attended a webinar on the eve of “International Yoga Day”, 21st June 2021, for the faculty and students of Don Bosco Institute of Technology and Don Bosco College.
- Delivered a session on “How to use Quizizz.com” as an assessment tool in FDP organized on 31 July 2021.
- Participated in a webinar on “ How to plan for Startup and legal & Ethical steps” on 17th Aug ’21, organised by Mohamed Sathak A. J College of Engineering,Chennai.
- Attended one day online National Industry Institute Symposium on”Enhancing Employability and Employment of Engineering Graduates through Implementation of NEP-2020” on 10th July’21 organized by Thakur College of Engineering and Technology.
- Attended a webinar on “Know your Energy”. organized by SIE club of DBIT on 29th May’21.
- Attended alumni webinar on Career opportunities and Choices(Alumnus Ms. Madhumita Chatterjee) on 25th September 2021.

Publication:

- Paper “FallStop — A deep learning approach to real-time fall detection and monitoring of vital parameters” published in 2021 IEEE India Council International Subsections Conference (INDISCON)

ICT Tools used:

- Delivered online lectures using zoom, used Quizizz as an assessment tool, used Moodle for content delivery.

Innovative tool:

- Blended classroom approach, Peer learning sessions, Mini-Projects and weekly Assessments using “Quizizz. com”

FDP attended:

- “Inculcating Universal Human Values(UHV)”- 5 day online FDP organized by AICTE (26th July to 30th July’2021)
- “Creating and Publishing e-Content in Technical Teaching Learning Process e-Teaching Learning”-5 day online FDP organized by AICTE (5th July to 9th July’2021)
- FDP on “Insights of NBA”organized by department of IQAC, K.C College from 28th June-30th June ’21.

Faculty Contributions

**Ms. Kalpita Wagaskar****Webinars Organized and attended:**

- Attended webinars on “Basics of IPR and Indian Patent Filing on 15th and 16th July ‘21.”
- Attended webinars on Chemiresistive and ChemFET Array for detection of Environment Pollution” on 22nd July, 2021 organised by IEEE GRSS Bombay Section.

Sessions delivered by faculty:

- Python Session Delivered to Mechanical Students of SE as a part of Mini project workshop on 22nd Nov, 2021
- Python Session Delivered to Mechanical Students of SE as a part of Mini project workshop on 29th Jan, 2021
- Session delivered on G Suite for Computer Department Faculty on 29th Sep, 2021
- Session delivered on G Suite for Institute Faculty on 6th Oct, 2021
- Sessions delivered on Android Development as part of Mini Project Workshop- 10 sessions

Online Courses Completed:

- Design and Engineering of Computer Systems- NPTEL on going

ICT Tools used:

- Gsuite, openboard

FDP attended:

- “Inculcating Universal Human Values in Technical Education” 6th to 10th December, 2021 by AICTE

Innovative Teaching:

- Case study based learning and design problems

Faculty Achievement:

- 3rd Best Paper award at National Conference on Gender Bias in Technology organized by AURO University and Don Bosco Institute of Technology.

**Ms. Dipti Jadhav****Courses completed:**

- Udemy course completed on “Write better Emails: Tactics for smarter team communication” on 3rd July 2021.
- NITTT (Module- 7)-“CREATIVE PROBLEM SOLVING, INNOVATION AND MEANINGFUL R&D ” completed on 30th October 2021.

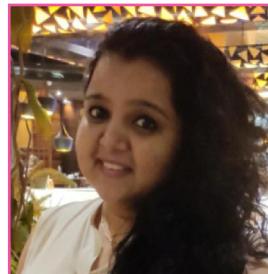
Online Courses Taken up by Faculty:

- Module 7 _ Creative Problem Solving , Innovation and Meaningful R & D, NITTS1M7, Sep- Oct 2021

Workshops organized, conducted and attended

- Conducted one hour workshop on “Google workspace Demonstration” for Department Faculties on 10th July 2021.
- Attended webinars on “Basics of IPR and Indian Patent Filing on 15th and 16th July ’21.
- Attended a webinar on the eve of “International Yoga Day”, 21st June 2021, for the faculty and students of Don Bosco Institute of Technology and Don Bosco College

Faculty Contributions



Ms. Deepali Kayande

Internship:

- 4 months Internship Program from SeekACE Solutions as Data Science Intern

Symposium Organized:

- Part of organizing team for “Symposium on Geospatial Intelligence” by IEEE GRSS Bombay Chapter held on 3rd and 4th Dec, 2021.

Webinar Organized and Delivered:

- “GUI programming using Java Swing” for S.E. EXTC students by Ms. Ditty Varghese
- “Design Approach for data handling using Java GUI” for S.E. Comps.

Certifications:

- Completed Kaggle Certification on Data cleaning on 5th July 2021
- Completed NITT (Module- 3)-Communication Skills, Modes & Knowledge Dissemination

Paper Published:

- “CareBot: A Mental Health ChatBot,” 2nd International Conference for Emerging Technology (INCET), 2021
- “Assessing Industrial Readiness of Students by Leveraging Soft Skill Parameters,” 2nd International Conference for Emerging Technology (INCET), 2021

FDP and STTP attended:

- AICTE Training And Learning (ATAL) Academy Online Elementary FDP on “Designing Intelligent systems” from 2021-7-5 to 2021-7-9 at Indian Institute of Information Technology, Nagpur, India.
- AICTE-ISTE “Cyber Risk and Security” from 14-12-2021 to 21-12-2021 by RAIT, Nerul.
- “Smart Computing” 12th to 16th July 2021 by AICTE organized by D.J. Sanghvi College of Engg.
- Successfully participated in the session on “Radiative transfer model for retrieval of soil moisture: Methods and Challenges” Organized by IEEE GRSS Bombay Chapter held on 22nd May 2021
- Attended Online FDP on Research, Funding Projects & IPR_Part II organized by the Department of R&D, IT, EXTC, and Computer Engineering, 7th June- 9th June 2021, K. C. COLLEGE OF ENGINEERING AND MANAGEMENT STUDIES & RESEARCH, THANE
- Successfully completed the FDP on “Insights of NBA” organized by the Department of IQAC, IT, EXTC, and Computer Engineering, 28th June- 30th June 2021, K. C. COLLEGE OF ENGINEERING AND MANAGEMENT STUDIES & RESEARCH, THANE

ICT tools:

- Lectures using zoom, google meet
- Use of Moodle LMS

Innovative Teaching:

- Discussion Forum
- Blended classroom approach
- Concept explanations using open board and pen-tab
- Use of Online compilers for students not having proper resources.
- Quiz on Moodle
- Use of interactive content on Moodle
- Learning through gaming like Snake and Ladder, drop the word

Faculty Contributions



Ms. Ditty Varghese

Internship:

- Completed 4 months internship on Data Science from SeekAce Solutions

Online Courses Taken up by Faculty:

- Introduction to Intel Distribution of OpenVINO toolkit for Computer Vision Applications(Coursera)
- Getting started with enterprise Data Science(IBM Academic Initiative)
- Kaggle Course on Data Cleaning
- Kaggle Course on Python

Paper Published:

- Paper titled 'ML- based Smart Shopping System with Recipe Recommendation' submitted and accepted at the 4th International Conference on Communication, Information and Computing Technology (ICCICT-2021).

Orientation:

- Attended Orientation for Mini Project-2A(Rev 2019) organized at VESIT on behalf of UoM

FDP and STTP attended:

- "Smart Computing" 12th to 16th July 2021 by AICTE organized by D.J. Sanghvi College of Engg.
- AICTE-ISTE "Cyber Risk and Security" from 14-12-2021 to 21-12-2021 by RAIT, Nerul.
- Inculcating Universal Human Values(UHV)- 5 day online FDP organized by AICTE (26th July to 30th July)
- Attended a webinar on the eve of "International Yoga Day", 21st June 2021, for the faculty and students of Don Bosco Institute of Technology and Don Bosco College.

Events/Webinars/Guest Lectures Organized:

- "GUI programming using Java Swing" for S.E. EXTC
- Organized a webinar on "How to find and read Research Papers for Literature Review" on 9th August 2021.
- Symposium Organized: Part of organizing team for "Symposium on Geospatial Intelligence" by IEEE GRSS Bombay Chapter held on 3rd and 4th Dec 2021
- Guest Lecture Organized: "Design Approach for data handling using Java GUI" for S.E. Comps students by Ms. Deepali Kayande

Alumni Interaction:

- Organized Alumni Webinar by Ms. Madhumita Chatterjee (Batch 2016) on 25th September 2021 on "Career Opportunities and Choices"
- Carried out Alumni Survey- Improving Alumni Engagements through the portal

ICT tools:

- Openboard, Moodle

Faculty Contributions



Ms. Priya Kaul

Internship:

- Completed 4 months internship on Data Science from SeekAce Solutions

Webinar Organized:

- Webinar on- “Applications of Discrete Structures & Graph Theory” for S.E. students by Dr. Revathy Sundaraman

Online Courses Taken up by Faculty:

- Kaggle Course on Data Cleaning
- Kaggle Course on Python

Paper Published:

- “AR Smart Navigation System” in 2021 2nd International Conference for Emerging Technology (INCET), IEEE

FDP and STTP attended:

- “Inculcating Universal Human Values in Technical Education”- 7th to 11th February 2022 by AICTE
- AICTE-ISTE “Cyber Risk and Security” from 14-12-2021 to 21-12-2021 by RAIT, Nerul.
- “Smart Computing” 12th to 16th July 2021 by AICTE organized by D.J. Sanghvi College of Engg.
- Delivered a session on “Zoom, Google auto-admit and attendance features” in FDP organized on 31 July 2021

ICT tools:

- Openboard, Moodle

Certifications:

- Completed Kaggle Certification on Data cleaning on 2nd Aug 2021.

A Message from the Student Co-Editor

I feel honored to be working on the newsletter for the Department of Computer Engineering. Through this newsletter, we hope to offer you a comprehensive snapshot of what makes us at Don Bosco so uniquely successful in what we do. We have tried our best to condense an extremely eventful year into a concise summary made just for you. With immense pleasure and gratitude, I introduce to you our wonderful Editorial Team...

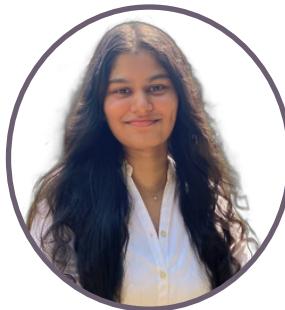
The Editorial Team



**Ms. Ditty Varghese
Editor**



**Ms. Sana Shaikh
Co-Editor**



**Ms. Sasha Rebello
Co-Editor**



**Ms. Leona Varghese
Design Director**