5.1.2

Report with photographs on ICT/ computing skills enhancement programs

Nirmala Memorial Foundation College of Commerce and Science

Permanently Affiliated to University of Mumbai
Accredited by NAAC, ISO 9001-2015 Certified
Recognised under section 2(f) & 12(B) of the UGC Act 1956

D.S. Road, Asha Nagar, Thakur Complex, Kandivali (East), Mumbai – 400 101. Tel.: 022 69436400

5.1.2

Index

Awareness of trends in technology

Sr. No.	Year	Name of the capacity development and skills enhancement program	Link
1	2018-19	Workshop on Drone Technology	Click Here
2		Workshop on 'Hands on Ethical Hacking'	Click Here
3		Short term Course on Tally	Click Here
1	2019-20	Short Term Course on Tally	Click Here
2		Online Skill Development Program	Click Here
3		Workshop on Ethical Hacking	Click Here
4		Workshop on Robotics Process Automation	Click Here
5		Workshop on Artificial Intelligence	Click Here
6		Training program by IIT Bombay Spoken Tutorial	Click Here
7		Session on Cyber security	Click Here
1	2020-21	Webinar on "Cloud Computing and Modern Device Management"	Click Here
2		Three-day webinar series on Blockchain Technology, RPA And Data Science	Click Here
3		Training program by IIT Bombay Spoken Tutorial	Click Here
1	2021-22	Webinar on "Roadmap to Web Development 2022".	Click Here
2		Webinar on "Blocchain Technology"	Click Here
3		Webinar on "Coding in Electronics"	Click Here
4		Webinar on 'Introduction to Data Science and Job Perspectives'	Click Here
5		Hands on Technical Workshop on RPA(Rrobotic Process Automation) technology	Click Here

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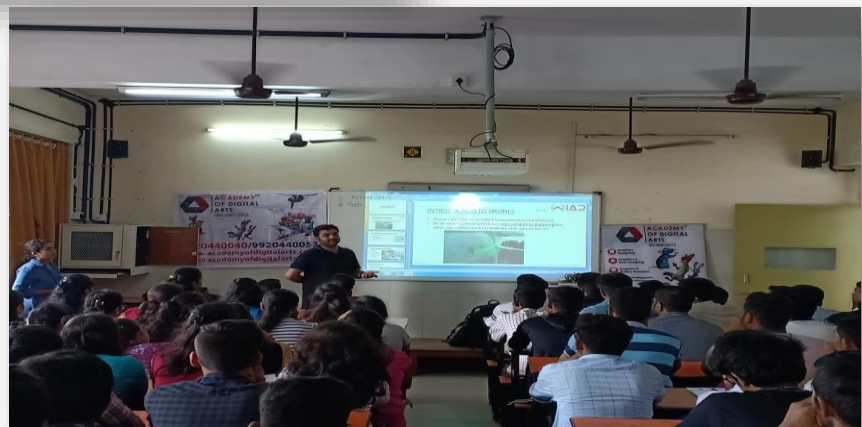| Sr. No.	Year	Name of the capacity development and skills enhancement program	Link
6		Hands-on technical workshop on UI/UX Technology	Click Here
1	2022-23	Seminar on Cyber security and Ethical Hacking	Click Here
2		Seminar on "Data Science Concepts with Machine Learning'.	Click Here
3		Seminar on Trending Technologies in IT Sectors	Click Here
4		Seminar on Robotics & Artificial Intelligence	Click Here
5		Seminar on "BI Tools (Snowflakes & Tableau) & Job Search"	Click Here
6		Seminar on Cyber Security Awareness	Click Here
7		Peer Learning Session On "Career As A Full Stack Developer & Project Guidance"	Click Here
8		Workshop on Blockchain Hacking	Click Here

Academic Year 2018-2019
WORKSHOP ON DRONE TECHNOLOGY
Report

Department of B.Sc.IT/CS conducted a workshop on Drone Technology on Tuesday, 31st July 2018. The unique workshop introduced the concepts and applications of drones in various fields. Total 60 students attended the workshop. A pivotal highlight was the hands-on session, affording attendees a firsthand experience in drone operation under the expert guidance. Overall, the workshop proved instrumental in equipping participants with invaluable insights and skills to navigate the exciting landscape of drone technology.

Date: 31/7/2018

WORKSHOP ON HANDS ON ETHICAL HACKING

Report

The department of B.Sc. IT/CS in association with Vocational Skill Development Cell had organized two days intercollegiate workshop on "HANDS ON ETHICAL HACKING" by ANVIRA Edustation for the students of B.Sc.IT and B.Sc.CS. Ethical Hacking Workshop mainly focused on the students eager to be a White Hat Hacker. It features a brief introduction to the world of hacking starting with the importance of ethical hackers and their need in today's world scenario, including to the basics of networking that will help them to have a deep understanding of the working of internet. This workshop was designed and planned for students of B.Sc.IT and B.Sc.CS. to gear up for real-industry based case scenarios in the field of Ethical Hacking. The Participant received Certificate and Ethical Hacking Material on CD from the ANVIRA Edustation.

Speaker: Mr. Vaibhav Khanderao

Designation: Security Researcher

Date: 22nd February, 2019 and 23rd February, 2019
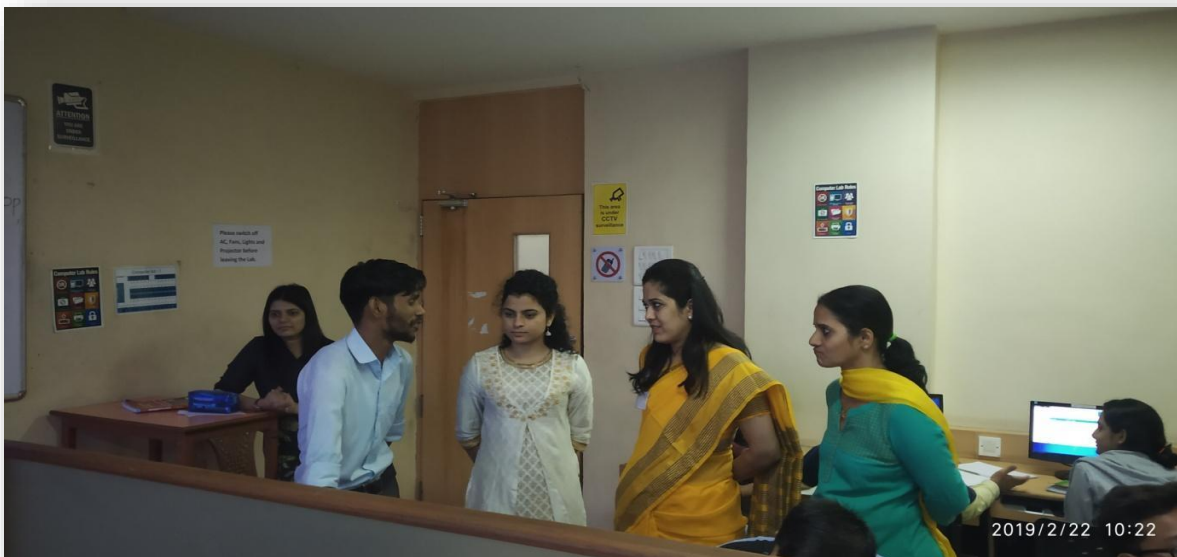
Venue: I.T Lab, NMFC.

Targeted Audience: Intercollegiate and Intra-collegiate students

Coordinated By: Prof. Vaishali Mishra

Participants: 47 Intra-collegiate students and 15 Intercollegiate

WORKSHOP ON HANDS ON ETHICAL HACKING- DATE: 22-2-2019 and 23-2-2019

Photographs

NIRMALA MEMORIAL FOUNDATION COLLEGE OF COMMERCE AND SCIENCE
KANDIVALI (EAST) – MUMBAI - MAHARASHTRA

SHORT TERM COURSE ON TALLY

<mark>Report</mark>

A short-term course on Tally, held with Tally Education Pvt. Ltd., was executed from July 17th July 2018, with great success. This rigorous program, spanning a total of 30 hours, was designed to furnish participants with extensive knowledge and hands-on expertise in utilizing Tally software for effective financial management and accounting.

The course received an impressive attendance, with 49 committed students successfully completing the curriculum. By amalgamating theoretical guidance with practical application, attendees garnered valuable insights into employing Tally in real-world scenarios.

Photographs

SHORT TERM COURSE ON TALLY-Date: 24/01/2019 - 15/02/2019

Photographs

Academic Year 20219-2020
SHORT TERM COURSE ON TALLY

Report

Short-Term Tally Course spanning 30 hours started on 30/7/2019 and 37 students successfully completed the program. This specialized curriculum was meticulously designed to offer a comprehensive understanding of Tally software and its application in proficient accounting and financial management. Through a structured blend of theoretical instruction and hands-on practice, participants acquired valuable skills, positioning them for success in the dynamic field of accounting and finance.

SHORT TERM COURSE ON TALLY

Photographs

ONLINE SKILL DEVELOPMENT PROGRAM

Report

1st August, 2019, to April 20th, 2020, an Online Skill Development Program was executed, culminating in the successful completion of 52 students. Program was designed to empower participants with valuable skills and knowledge essential for personal and professional growth.

ONLINE SKILL DEVELOPMENT PROGRAM

Photographs

WORKSHOP ON ETHICAL HACKING

Report

The department of B.Sc.IT/CS had organized two days workshop on "ETHICAL HACKING" by ROBOSOL for the students of B.Sc.IT and B.Sc.CS. Ethical Hacking Workshop mainly focused on the students eager to be a White Hat Hacker. It features a brief introduction to the world of hacking starting with the importance of ethical hackers and their need in today's world scenario, including to the basics of networking that will help to have a deep understanding of the working of the internet.

This workshop was designed and planned for students of B.Sc.IT and B.Sc.CS. to gear up for real- industry based case scenarios in the field of Ethical Hacking. The Participant received Certificate and Ethical Hacking Material on CD from the ROBOSOL.

Speaker: Mr. Vaibhav Khanderao   **Designation:** Security Researcher

Date: 30 th November, 2019 and 2 nd December, 2019   **Venue:** I.T Lab, NMFC.

Targeted Audience: Intra-collegiate students

Coordinated By: Prof. Aparna Panigrahy

Participants: 62 Intra-collegiate students

Day 1		Day 2	
Session 1 8:00 a.m. to 11:00 a.m	1)Introduction of Ethical hacking 2)Foot printing and reconnaissance 3)System Hacking 4)Malware threat	Session 1 8:00 a.m. to 11:00 a.m	1) Introduction of Ethical hacking 2)Foot printing and reconnaissance 3)System Hacking 4)Malware threats
Session 2 11.00 a.m to 2 p.m	5)Sniffing 6)Hacking mobile platform 7)Cryptography	Session 2 11.00 a.m to 2 p.m	5)Sniffing 6)Hacking mobile platform 7)Cryptography

WORKSHOP ON ETHICAL HACKING

Photographs

WORKSHOP ON ROBOTIC PROCESS AUTOMATION

Report

The department of B.Sc.IT/CS had organized a seminar on "ROBOTICS PROCESS AUTOMATION" by TechSutra for the students of T.Y.Sc.IT/CS and F.Y.B.Sc.C.S This workshop was designed and planned for students of T.Y.Sc.IT/CS and F.Y.B.Sc.C.S students to gear up for real-industry based case scenarios in the field of Robotics Process Automation.

Speaker: Mr. Smit Kawli

Designation: Director, TechSutra Education.

Date: 10th February, 2020

Venue: Room No. 606(6th Floor)

Targeted Audience: Intra-collegiate students

Coordinated By: Prof. Aparna Panigrahy

Participants: 80 students

WORKSHOP ON ROBOTIC PROCESS AUTOMATION

PHOTOGRAPHS

WORKSHOP ON ARTIFICIAL INTELLIGENCE

Report

The department of B.Sc.IT/CS had organized a one day workshop on "ARTIFICIAL INTELLIGENCE" for the students of B.Sc.IT and B.Sc.CS.

This workshop was designed and planned for students of B.Sc.IT and B.Sc.CS. to gear up for real-industry based case scenarios in the field of Artificial Intelligence.

Speaker: Mr. Nikhil Shrimali

Designation: Data Scientist, Prudential Global Services.

Date: 7th March, 2020

Venue: I.T Lab, NMFC.

Targeted Audience: Intra-collegiate students
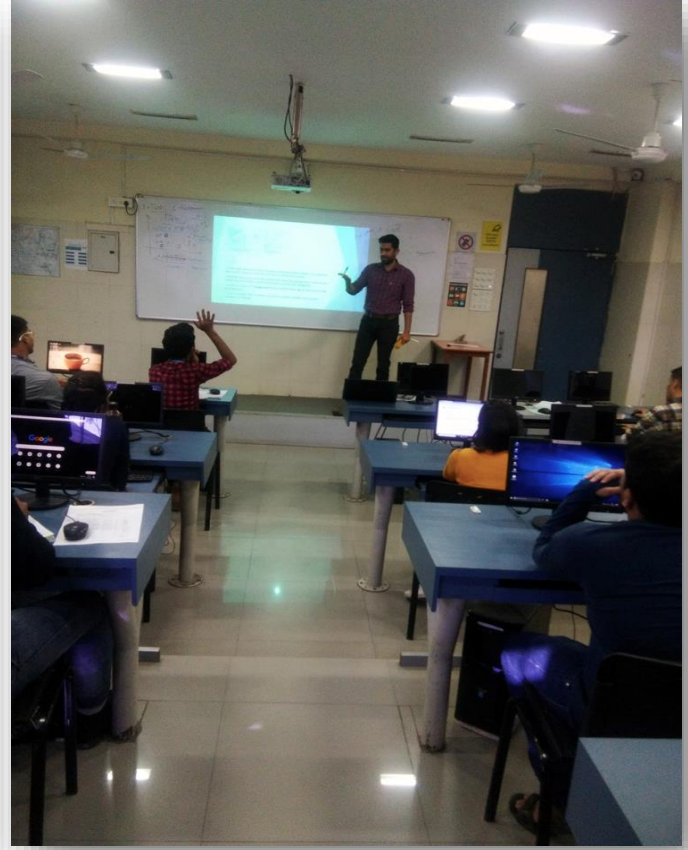
Coordinated By: Prof. Aparna Panigrahy

Participants: 30 Intra-collegiate students

Various aspects of Artificial Intelligence covering:

Day (7-03-2020)			
SESSION I 8:30 a.m. to 10:30 a.m	1)Introduction to Artificial Intelligence 2)Introduction to Machine Learning 3)When Do We Use Machine Learning 4)Types of Learning 5)Supervised Learning 6)Classification vs Regression 7)Quiz 8)Unsupervised Learning	SESSION II 11:00 a.m. to 12:30 p.m.	9)Semi-supervised learning 10)Reinforcement Learning 11)Model - Hypothesis 12)Overfitting, Underfitting,Best Fit 13)Introduction to Deep Learning 14)Deep Learning Applications 15)Artificial Neural Network 16)Convolution Neural Networks

WORKSHOP ON ARTIFICIAL INTELLIGENCE

Photographs

TRAINING PROGRAM BY IIT BOMBAY SPOKEN TUTORIAL

Report

The department of B.Sc.IT/CS had organised the "IIT Bombay ST Software Training Program" Examination on 15th February 2020 for the students of B.Sc.I.T. and B.Sc.C.S. Spoken tutorial is a project funded by the National Mission on Education through ICT,MHRD Government of India to promote IT literacy for education.

This examination was an Online Examination which was organised in the Computer Lab 2,3 and 5 in two sessions. 69 students successfully cleared the test on different subjects with higher score. The students who passed the examination received the Online Certificate at the end of the examination.

Date: 15 th February, 2020

Venue: I.T Lab, NMFC.

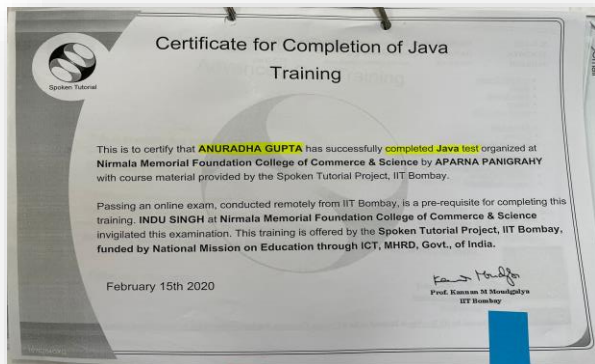Coordinated By: Prof. Aparna Panigrahy

No. of students registered=108

No of students appeared for Examination: 77

No of students passed=69

Session 1(8.30.a.m. to 9:30 a.m)			Session 2(11.00 a.m. to 12.00 noon)			
Class	FYIT	FYCS	SYCS	SYIT	TYCS	TYIT
Subject	C++	C	Java	Java	R language	R language

TRAINING PROGRAM BY IIT BOMBAY SPOKEN TUTORIAL

Photograph

SESSION ON CYCBER SECURITY

Report

The Women's Development Cell (WDC) of the Institue organized a highly informative and engaging program on "CYBER SECURITY" exclusively for female students. The primary objective of the program was to raise awareness about online safety and promote the significance of safeguarding one's digital identity. The event took place on **Wednesday, 29th January 2020, at Block No. 711**. The session featured **Mr. Sachin Dedhia, an Independent Cyber Crime Investigator**, and Certified Ethical Hacker from EC-Council, USA, as the esteemed guest speaker.

Program Highlights: The "CYBER SECURITY" program was designed to address the unique challenges and concerns faced by female students in the digital world

Key Points Covered:

Safe Use of Social Media: Mr. Sachin Dedhia began the session by emphasizing the importance of exercising caution while using social media platforms. He shed light on the potential risks associated with oversharing personal information and discussed practical strategies to set strong privacy settings.

Identity Protection on Social Media: Understanding the need for privacy and safety on social media, Mr. Dedhia provided valuable insights into concealing one's identity effectively. The participants learned about implementing security measures to mitigate the risk of identity theft and cyberstalking.

Conclusion: The Women's Development Cell's "CYBER SECURITY" program proved to be a valuable and timely initiative. With the guidance of Mr. Sachin Dedhia, the participants received practical knowledge and insights to protect themselves online effectively. The event underscored the WDC's commitment to nurturing a safe and secure environment for female students, enabling them to thrive academically and professionally in an increasingly digital era. Total 40 students were participated.

SESSION ON CYCBER SECURITY

Photograph

Academic Year 2020-2021
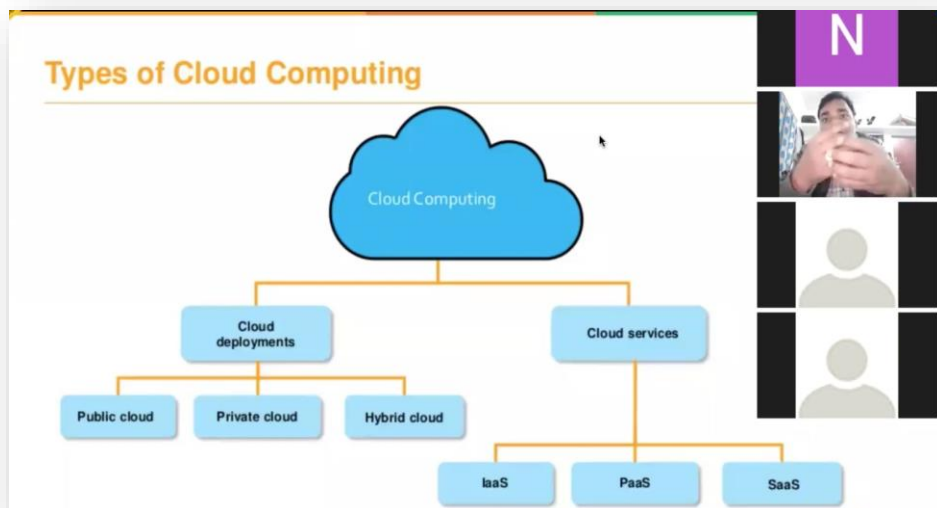## WEBINAR ON CLOUD COMPUTING AND MODERN DEVICE MANAGEMENT

Report

The department of B.Sc.IT/CS had organized a Guest Lecture on "Cloud Computing and Modern Device Management" for the students of B.Sc.IT and B.Sc.CS. The fact that the workshop is online allows for easy accessibility and participation for all the targeted audience, which includes students from both B.Sc.IT and B.Sc.CS programs. This interdisciplinary approach can be beneficial as cloud computing is relevant to both fields. With an enthusiastic participation and a knowledgeable speaker, the students gained valuable insights into cloud computing and modern device management, which will undoubtedly be beneficial for their academic and professional growth in the IT industry.

Speaker: Mr. RamPratap Yadav
Designation: Cloud Infrastructure Architect
Date: 30th January, 2021
Time:6pm-7 pm
Mode: Online
Targeted Audience: Intra-collegiate students
Coordinated By: Prof. Aparna Panigrahy
Participants: 143 Intra-collegiate students

WEBINAR ON CLOUD COMPUTING AND MODERN DEVICE MANAGEMENT– 30/01/2021

Photograph

THREE-DAY WEBINAR SERIES ON BLOCKCHAIN TECHNOLOGY, RPA AND DATA SCIENCE

Report

The department of B.Sc IT and CS has organized a highly insightful and educational Three-Day Webinar Series focusing on cutting-edge technologies in the IT industry. It was conducted on the online platform Zoom. The Zoom webinar feature provided a seamless and interactive virtual environment, 350 participants joined from different locations without any geographical barriers.

The series covered three prominent topics: Data Science, Robotic Process Automation (RPA), and Blockchain Technology. Esteemed industrial experts were invited to conduct each webinar and share their expertise with the participants.

Day 1: Data Science - Speaker: Mr. Nilesh Marfatia Date: Thursday, 28th May 2023
Mr. Nilesh Marfatia, a renowned Data Scientist, graced the first day of the webinar series. The session commenced with an overview of Data Science, its significance in the modern world, and its applications in various industries. Mr. Marfatia emphasized the importance of data-driven decision-making and how data scientists play a crucial role in extracting valuable insights from complex datasets.
During the session, Mr. Marfatia discussed key data science concepts such as data preprocessing, data analysis, machine learning algorithms, and predictive modeling. He also shared real-world case studies that showcased the impact of data science in solving business problems and driving innovation.
The interactive Q&A session allowed participants to engage directly with Mr. Marfatia, gaining further clarity on data science techniques and career opportunities in the field.

Day 2: Robotic Process Automation (RPA) - Speaker: Mr. Ankt Khothari Date: Friday, 29th May 2020
On the second day of the webinar series, Mr. Ankt Khothari, a distinguished expert in Robotic Process Automation (RPA), led an insightful session. Mr. Khothari introduced the participants to the fundamentals of RPA, explaining how automation technology can streamline business processes and enhance operational efficiency.
Throughout the session, Mr. Khothari demonstrated the implementation of RPA using popular automation tools. He showcased live examples of how software robots can mimic human actions to automate repetitive tasks, thus saving time and reducing errors in various industries.
The attendees were fascinated by the potential of RPA and actively participated in discussions regarding its integration with other emerging technologies like artificial intelligence and machine learning.

Day 3: Blockchain Technology - Speaker: Mr. Prashant Baj Date: Saturday, May 30, 2020.

The concluding day of the webinar series featured Mr. Prashant Baj, an esteemed expert in Blockchain Technology and Director of Capgemini. Mr. Baj introduced the audience to the revolutionary concept of blockchain and its role in securing digital transactions and records.

The session covered the underlying principles of blockchain, decentralized networks, smart contracts, and its applications beyond cryptocurrencies. Mr. Baj showcased how blockchain technology is transforming industries such as finance, supply chain management, healthcare, and more.

The participants were intrigued by the potential of blockchain to address data security and trust issues in various domains. They actively engaged with Mr. Baj to understand the challenges and future prospects of blockchain implementation.

Conclusion: The Three-Day Webinar Series on Data Science, Robotic Process Automation, and Blockchain Technology proved to be an overwhelming success. The participants, including students and professionals from various backgrounds, gained profound insights into these cutting-edge technologies from industry experts.

The webinars not only broadened their knowledge but also inspired them to explore new career paths and contribute to the ever-evolving IT landscape. The department of aims to organize more such webinars in the future to continue fostering a culture of continuous learning and innovation among its students and staff.

THREE-DAY WEBINAR SERIES ON BLOCKCHAIN TECHNOLOGY, RPA AND DATA SCIENCE - 28/05/2020 to 30/05/2020

Photograph

TRAINING PROGRAM BY IIT BOMBAY SPOKEN TUTORIAL

Report

Department of B.Sc.I.T/C.S had organized the "IIT Bombay ST Software Training Program" Examination on 13th March 2021 for the students of B.Sc.IT and B.Sc.C.S.

Spoken Tutorial is an initiative of MHRD, Govt. of India and a part of National Mission onEducation through Information and Communication Technology (NMEICT), developed atIIT-Bombay.
This is a platform where students can learn and master various programming languages and software without requiring any expert teacher. All tutorials are in the form of Audio-Video content with self-learning methodology and are also available in various regional languages.
We are associated with IIT spoken tutorial since the last 4 years. Every year a largenumber of students enroll for this tutorial and clear the examinations in different subjects with a good score.
This year the examination was conducted online. The successful students were awardedwith Online Certificates at the end of the examination by IIT Spoken tutorial.

EVENT DETAILS
Date of Exam: 13th March 2021Venue:
Online
Time-1pm-11.59 pm
Targeted Audience: Intra-collegiate students
Coordinated By: Prof. Aparna Panigrahy
No. of students registered=85
No. of students appeared for Examination=85Total no. of
students passed=64

Event Schedule

Session time-1 pm to 11.59m pm			
Class	FYIT	FYCS	SYIT
Subject	C	Python	Python

TRAINING PROGRAM BY IIT BOMBAY SPOKEN TUTORIAL 13/03/2021

Photograph

Certificate for Completion of
Python 3.4.3 Training

This is to certify that **MANASI RANE** has successfully completed **Python 3.4.3** test organized at **Nirmala Memorial Foundation College of Commerce & Science** by **APARNA PANIGRAHY** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

niranjan barnwal through google meet from **Nirmala Memorial Foundation College of Commerce & Science** invigilated this examination. This training is offered by the Spoken Tutorial Project, IIT Bombay.

March 13th 2021

Prof. Kannan M Moudgalya
IIT Bombay

Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India

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Certificate for Completion of
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This is to certify that **NINAD SARANG** has successfully completed **Python 3.4.3** test organized at **Nirmala Memorial Foundation College of Commerce & Science** by **APARNA PANIGRAHY** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

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March 13th 2021

Prof. Kannan M Moudgalya
IIT Bombay

Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India

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NIRMALA MEMORIAL FOUNDATION COLLEGE OF COMMERCE AND SCIENCE
KANDIVALI (EAST) – MUMBAI - MAHARASHTRA

Academic Year 2021-2022
WEBINAR ON ROADMAP TO WEB DEVELOPMENT 2022

Report

The Department of B.Sc IT organized an insightful webinar on **"Roadmap to Web Development 2022" on 28th Feb 2022.** The webinar aimed to provide students with a comprehensive understanding of the latest trends, technologies, and skills required to excel in the field of web development. The event was held in an online format, 87 participants joined from various locations. **Mr. Nilesh Maurya**, a **Cloud Engineer at Software AG Company and Founder & CEO of "CODE WITH NM,"** and an esteemed alumnus of the college, graciously consented to be the guest speaker.

Webinar Highlights:

The "Roadmap to Web Development 2022" webinar was a highly anticipated event, drawing participants from the B.Sc IT department and other related disciplines. Mr. Nilesh Maurya's expertise in cloud engineering and web development made him an ideal choice to guide the aspiring web developers through the intricacies of this dynamic field.

Key Topics Covered:

Current Landscape of Web Development: Mr. Maurya provided an overview of the present state of web development, highlighting the key trends and advancements that have emerged in recent years. He discussed the importance of staying updated with evolving technologies to remain competitive in the industry.

Key Technologies and Frameworks: The speaker delved into the essential technologies and frameworks that are instrumental in modern web development. He discussed popular tools like React, Angular, Vue.js, and Node.js, explaining their respective use cases and benefits.

Responsive Design and Mobile Compatibility: Mr. Maurya emphasized the significance of responsive design and mobile compatibility in today's web development landscape. He elucidated strategies to ensure that websites are optimized for various devices, enhancing user experience.
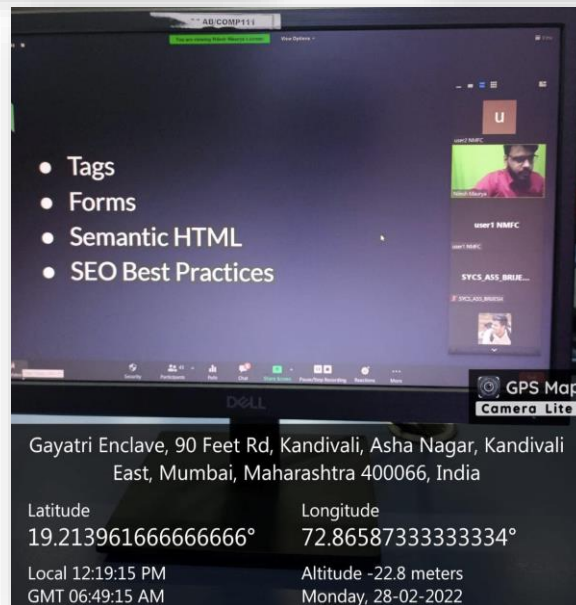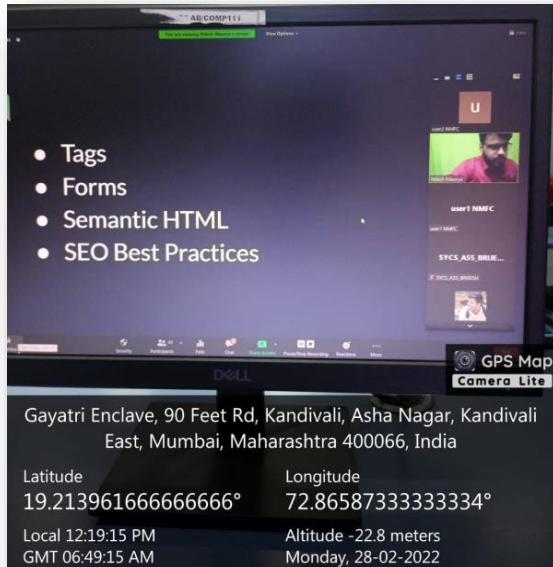
Importance of Cloud Computing: Being a Cloud Engineer, Mr. Maurya highlighted the role of cloud computing in web development. He explained how leveraging cloud services can lead to scalable and efficient web applications.

Career Guidance and Industry Insights: The webinar concluded with valuable career guidance for aspiring web developers. Mr. Maurya shared insights into the job market, skill demands, and the importance of personal projects and portfolios for professional growth.

The interactive nature of the webinar allowed participants to engage with Mr. Nilesh Maurya directly. A lively Q&A session followed the presentation, enabling attendees to seek clarifications, share their experiences, and gain deeper insights into the topics discussed.

WEBINAR ON ROADMAP TO WEB DEVELOPMENT 2022

Photograph

WEBINAR ON BLOCKCHAIN

Report

The Department of B.Sc.IT/CS, in association with Aptech Learning, organized a highly informative seminar on "Blockchain Technology" for the students of B.Sc.I.T and B.Sc.C.S. The objective of this seminar was to introduce the concept of Blockchain Technology, its diverse applications in various sectors, and its current job perspectives. The event was conducted online, allowing easy accessibility for all participants.

Seminar Highlights: The seminar on "Blockchain Technology" generated significant interest among the students, as it promised insights into one of the most revolutionary and transformative technologies of recent times. Mr. Tukaram Bhagat, an expert in the field, was the distinguished speaker for the session.

Key Topics Covered:

Introduction to Blockchain Technology: Mr. Tukaram Bhagat provided a comprehensive introduction to Blockchain Technology, explaining its decentralized and immutable nature. He elucidated how the technology enables secure and transparent record-keeping using blocks of data linked through cryptographic techniques.

Blockchain Applications: The speaker delved into the various applications of Blockchain Technology beyond cryptocurrencies. He discussed its potential in sectors such as finance, supply chain management, healthcare, real estate, and more. Students gained insights into the transformative impact of blockchain in solving real-world challenges.

Blockchain Job Perspectives: Mr. Bhagat shed light on the current job opportunities and career prospects in the blockchain industry. He highlighted the growing demand for blockchain professionals and the skill sets required to thrive in this dynamic field.
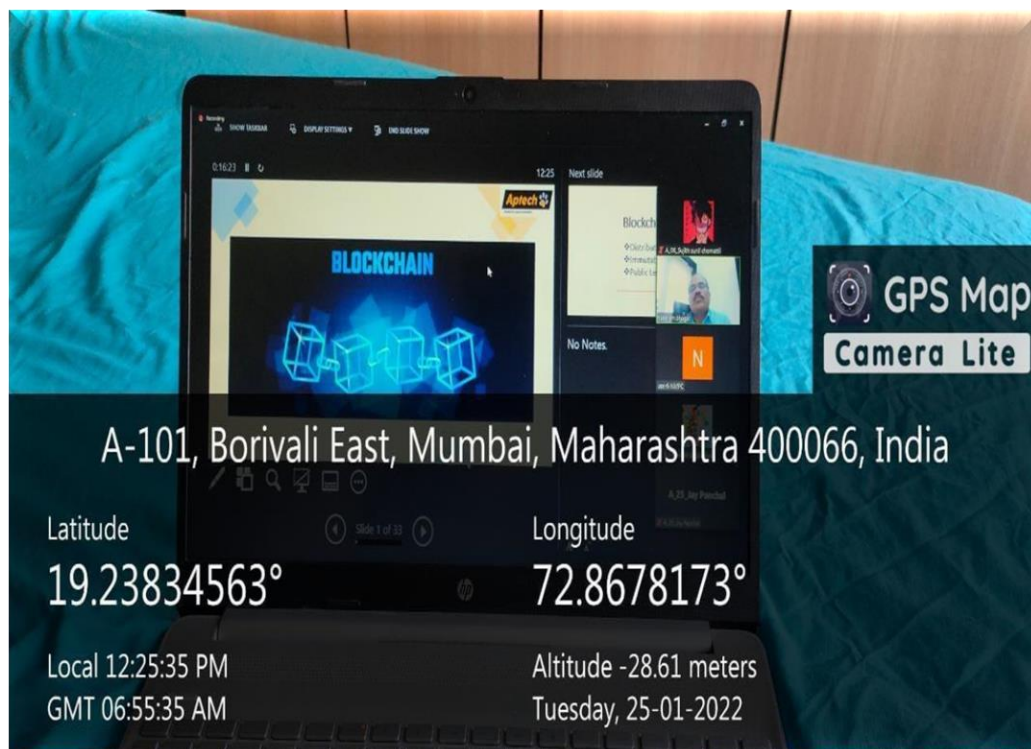
Mr. Bhagat engaged the participants in discussions, case studies, and practical examples, making the session engaging and enriching.

Student Involvement: The students displayed great enthusiasm throughout the seminar, actively participating in discussions and seeking clarification on various aspects of blockchain technology. Their curiosity and eagerness to learn showcased the relevance and importance of the topic in today's technological landscape.

The event not only enriched their knowledge but also provided them with a glimpse into the promising career opportunities in the blockchain domain.. Total 143 participants benifited from this.

WEBINAR ON BLOCKCHAIN

Photograph

WEBINAR ON "CODING IN ELECTRONICS"

Report

The Department of BSC IT and CS organized a highly informative seminar on 2nd January 2022 to introduce students to the concept of coding in Electronics, its diverse applications, and the current job perspectives in the industry. The seminar aimed to provide students with valuable insights into how coding plays a crucial role in the field of Electronics and its relevance in various sectors. The event was conducted online, enabling easy participation for the targeted audience of intra-collegiate students.

Seminar Highlights: The seminar on "Coding in Electronics" garnered significant interest among the students due to its practical implications and relevance in the modern world. **Mr. Shashank Mathur,** the esteemed speaker, shared his expertise and experiences to provide a comprehensive understanding of the subject matter.

Key Topics Covered:

Introduction to Coding in Electronics: Mr. Shashank Mathur initiated the seminar by introducing the concept of coding in Electronics. He explained how coding serves as the backbone for various electronic devices and systems, enabling them to function efficiently.

Applications of Coding in Electronics: The speaker delved into the diverse applications of coding in the Electronics industry. He showcased examples of coding in microcontrollers, embedded systems, IoT devices, and automation systems, highlighting their real-world impact.

Job Perspective in the Industry: Mr. Mathur provided valuable insights into the current job opportunities in the Electronics sector. He discussed the skills and competencies that employers seek in candidates, encouraging students to explore career paths in this promising field.
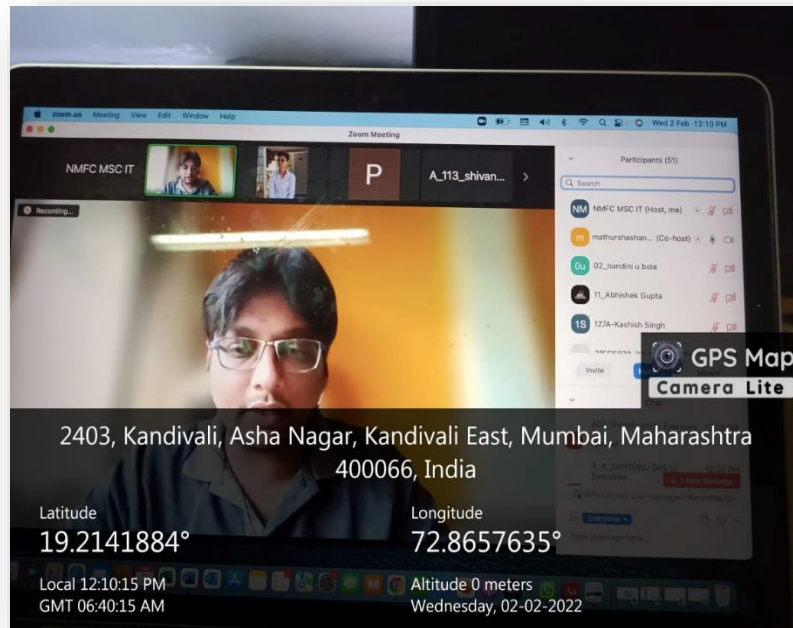
Interactive Session: The seminar fostered an interactive environment, allowing students to actively engage with Mr. Shashank Mathur. The participants had the opportunity to ask questions, seek clarifications, and share their perspectives, making the session highly engaging and enriching.

Student Participation: The targeted intra-collegiate audience of 106 students showed immense enthusiasm throughout the seminar. The interactive format facilitated maximum student participation, with many expressing their interest in exploring coding applications in Electronics as part of their academic and professional pursuits.

Conclusion: The seminar on "Coding in Electronics - Applications and Job Perspective" was a resounding success. Through the expertise of Mr. Shashank Mathur, the students gained valuable insights into the pivotal role of coding in the Electronics industry and its wide-ranging applications.

WEBINAR ON CODING IN ELECTRONICS

Photograph

WEBINAR ON INTRODUCTION TO DATA SCIENCE AND JOB PERSPECTIVES
Report

The Department of BSC IT and CS organized an insightful webinar on **29th January 2022** to introduce students to Data Science, its applications, and current job perspectives in the industry.

Webinar Highlights: The webinar on "Introduction to Data Science and Job Perspectives" garnered overwhelming interest from the student community due to Data Science's growing importance in today's data-driven world. Prof. Indrani Sen, an esteemed expert in the field, led the session, sharing her vast knowledge and experience with 166 participants.

Key Topics Covered:

Understanding Data Science: Prof. Indrani Sen provided a comprehensive understanding of Data Science, explaining how it leverages algorithms, statistical techniques, and machine learning to derive valuable insights from vast datasets.
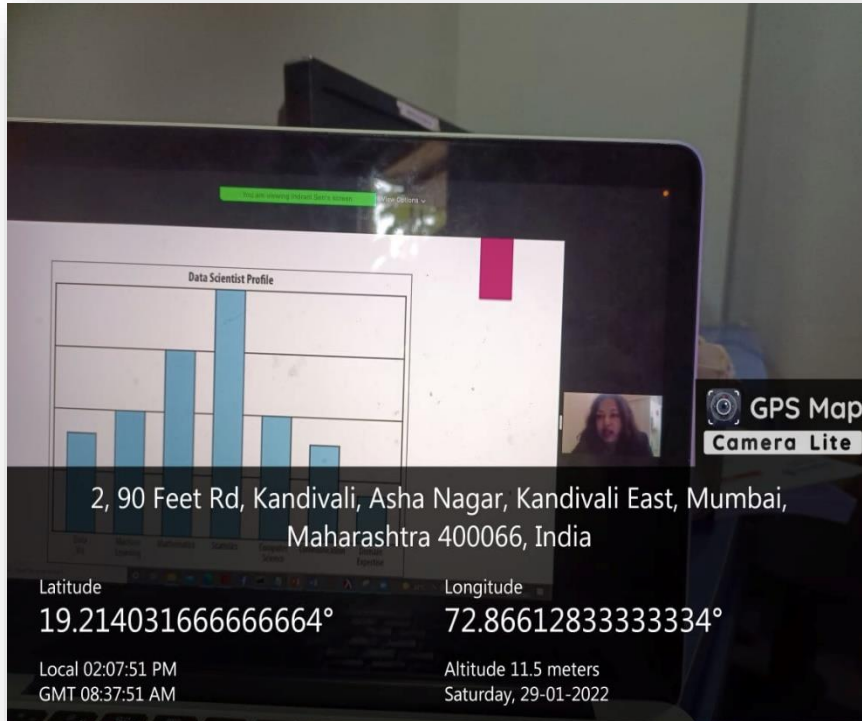
The speaker discussed real-world applications of Data Science across industries, showcasing its relevance in finance, healthcare, marketing, and other domains, making the subject matter relatable to the students.

Prof. Indrani Sen shed light on the current job opportunities in the Data Science industry. She highlighted the rising demand for skilled Data Scientists and the key competencies sought by employers, providing valuable career guidance to aspiring professionals. The webinar was designed to be highly interactive, encouraging students to actively engage with Prof. Indrani Sen. Participants had the opportunity to ask questions, seek clarifications, and share their thoughts, leading to a dynamic and enriching exchange of ideas.

Conclusion: The "Introduction to Data Science and Job Perspectives" webinar was insightful and impactful. Prof. Indrani Sen's expertise empowered students with valuable insights into the world of Data Science and its potential in various industries.

WEBINAR ON INTRODUCTION TO DATA SCIENCE AND JOB PERSPECTIVES
Photographs

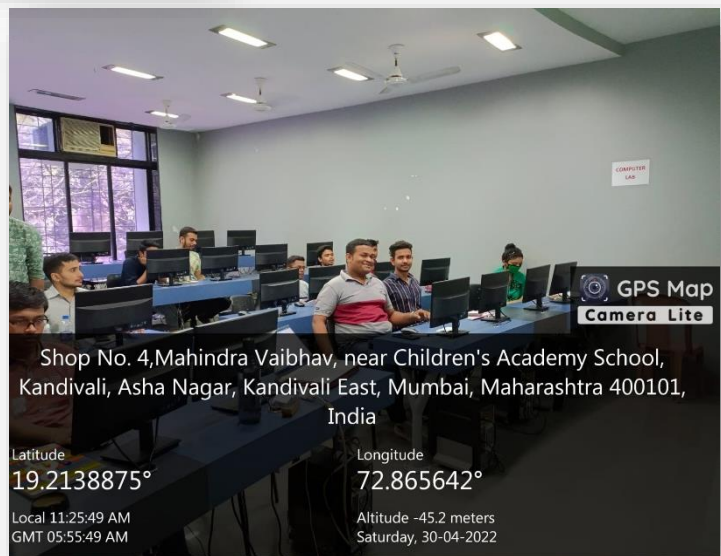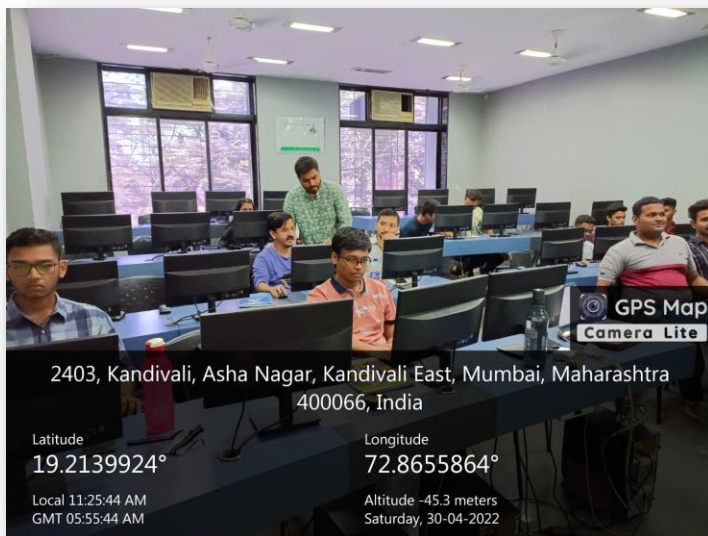# HANDS ON TECHNICAL WORKSHOP ON ROBOTIC PROCESS AUTOMATION
Report

The Placement Cell organized a one-day hands-on technical workshop on RPA (Robotic Process Automation) Technology on Saturday, 30th April 2022 from 9:00 am to 1:30 pm. It was conducted by Mr. Vishal Singh, the workshop covered topics such as Introduction to RPA, UiPath Walkthrough, Desktop, Web, Excel, and Mail Automation.

The workshop aimed to equip students with practical knowledge in RPA, enabling them to automate repetitive tasks and enhance operational efficiency. 20 Participants gained insights into UiPath, a leading RPA tool, and practiced automation in desktop, web, Excel, and mail applications.

This enriching workshop offered a valuable learning opportunity for students to explore the potential of RPA in the ever-evolving digital landscape.

HANDS ON TECHNICAL WORKSHOP ON ROBOTIC PROCESS AUTOMATION
Photographs

NIRMALA MEMORIAL FOUNDATION COLLEGE OF COMMERCE AND SCIENCE
KANDIVALI (EAST) – MUMBAI - MAHARASHTRA

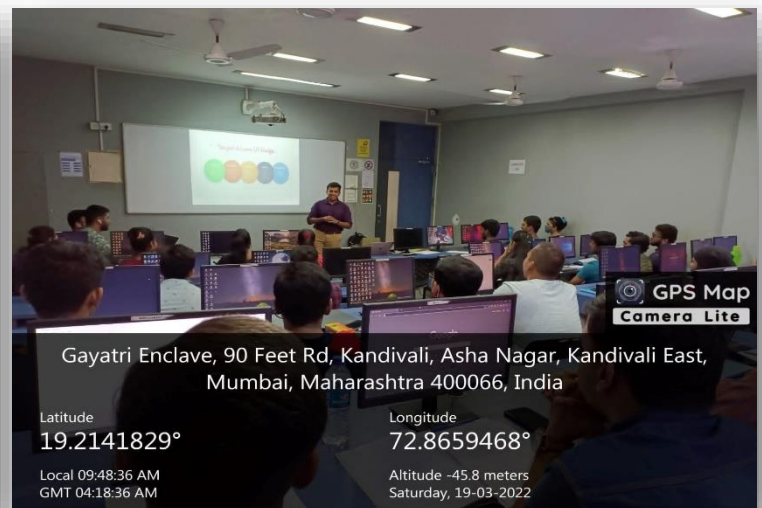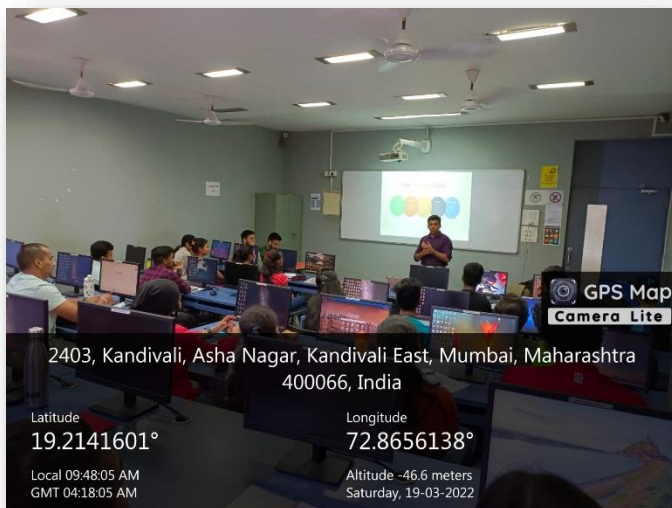# HANDS-ON TECHNICAL WORKSHOP ON UI/UX TECHNOLOGY
Report

The Placement Cell of Nirmala Memorial Foundation College of Commerce and Science, in collaboration with the B.Sc (I.T/C.S) department, organized a hands-on technical workshop on UI/UX Technology for M.Sc. IT students on 19th March 2022 Mr. Angiras Joshi, a Senior UI/UX Technology professional at HDFC Bank, conducted the online sessions using the 'Figma' tool.

The workshop aimed to provide 32 participants with experiential training in UI/UX design, covering iteration, deliverables, prototypes, tests, and project handoff. Mr. Joshi also shared insights into the current UI/UX practices in the corporate world.

Overall, the workshop offered an enlightening and valuable experience, preparing students for real-world UI/UX challenges and opportunities.

Photographs

Academic Year 2022-2023
SEMINAR ON CYBER SECURITY AND ETHICAL HACKING

Report

The Department of B.Sc.IT and B.Sc. CS had organised a Technical Session on "Cyber Security and Ethical Hacking" for the First Year Students of B.Sc. IT and B.Sc. CS. Co-ordinator of Dept. of B.Sc. IT and B.Sc. CS Ms. Vaishali Mishra welcomed Mr. Parshuram Vhatkar, Mr. Websecure Infosolutions Pvt Ltd and Prof. Shivkumar Chandey introduced them in front of the audience at 11.00 am. Speaker started the session by sharing basic information about cyber security and the basic terminologies associated with it. The introductory part was very informative to kick start the cyber security session.After the brief introductory part, the speaker gave live examples and demonstrated hacking practically in front of the audience.All the students took a lot of interest in such activities. Speaker discussed the SQL Injection attack also.Speaker has also shared the roadmap to make a career in the Cyber World.Knowledge shared by the speaker was good. All the students learned and enjoyed a lot.Finally, Prof. Aparna Panigrahy has proposed the formal vote of Thanks to the speaker and entire team involved in it.

Speakers: Mr. Parshuram Vhatkar, Mr. Websecure Infosolutions Pvt Ltd

Date: 15th October, 2022 (Saturday)

Time: 11:00 am - 12:30 pm

Venue: Room No. 311, 3rd Floor.

Beneficiaries: F.Y. B.Sc. IT and B.Sc. CS Learners

Coordinated By: Prof. Tanvi More and Prof. Vaishali Mishra

No. of Beneficiaries: 124

SEMINAR ON CYBER SECURITY AND ETHICAL HACKING

Photographs

SEMINAR ON DATA SCIENCE CONCEPTS WITH MACHINE LEARNING

Report

The Department of B.Sc.IT and B.Sc. CS had organised a Seminar on "Data Science Concepts with Machine Learning" for the Second Year and Third Year Students of B.Sc. IT and B.Sc. CS.Ms. Vaishali Mishra, Co-ordinator of Dept. of B.Sc. IT and B.Sc. CS welcomed the guest Ms. Babita Kachroo and Prof. Shivkumar Chandey introduced her to the audience at 10.00 am.Ms. Babita Kachroo started the session by interacting with the students by discussing the Data Science Concepts . Madam had given a wonderful seminar with a practical proven approach. Statistical and Mathematical concepts were discussed which were required in DS and ML. Information given by the speaker was amazing. Ms. Kachroo had also thrown light on the career opportunities in DS and ML.

Event details:

Speakers:Ms. Babita Kachroo (Data Science Trainer, ExcelR)

Date: 16th November, 2022 (Thursday)
Time: 10:00 am - 12:30 pm
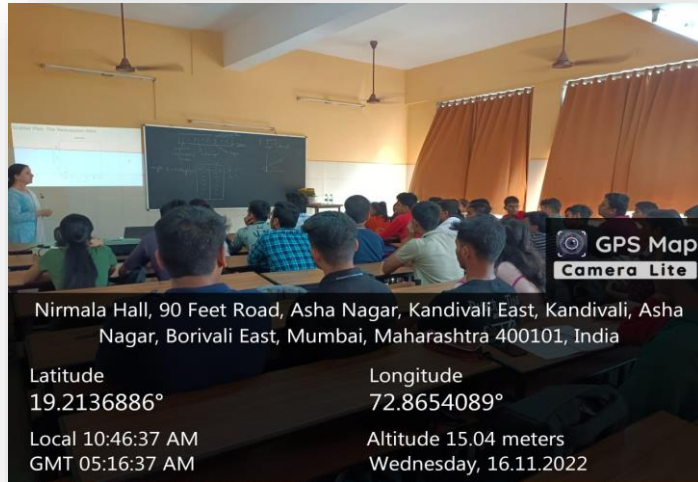**Venue: Room No. 311, 3rd Floor.**
Beneficiaries: Second- and Third-Year Learners of B.Sc. IT and B.Sc. CS

Coordinated By: Prof. Aparna Panigrahy and Prof. Shivkumar Chandey

No.of Beneficiaries: 47

SEMINAR ON DATA SCIENCE CONCEPTS WITH MACHINE LEARNING

Photographs

NIRMALA MEMORIAL FOUNDATION COLLEGE OF COMMERCE AND SCIENCE
KANDIVALI (EAST) – MUMBAI - MAHARASHTRA

Seminar on Trending Technologies in IT Sectors for SY and TY students

Report

The Department of B.Sc.IT and B.Sc. CS had organised a Seminar on "Trending Technologies in IT Sectors" for the Second Year and Third Year Students of B.Sc. IT and B.Sc. CS. Mr. Yayati Jadhav,Senior Manager in NIEL SENIQ, started the session by discussing various latest and recent technologies. During his interaction he started testing the learner's knowledge about recent trending topics in IT Sectors by asking basic questions related to Robotics, AR-VR, Big Data Analytics, Quantum Computing, 5G, IOT, Cyber Security, Blockchain, Cloud Computing and Artificial Intelligence.

Event details:

Speaker: Mr. Yayati Jadhav (Senior Manager, NIEL SENIQ)

Date: 19th November, 2022 (Saturday)
Time: 11:30 am - 12:30 pm
Venue: Room No. 311, 3rd Floor.
Beneficiaries: Second- and Third-Year Learners of B.Sc. IT and B.Sc. CS

Coordinated By: Prof. Shivkumar Chandey and Prof. Aparna Panigrahy

No. of Beneficiaries: 33

Photographs

Mumbai, Maharashtra, India
Poonam Complex Gulmohar, SAHYADRI
CO-OPERATIVE HOUSING SOCIETY-2 SAHYADRI
BUILDING, 90 Feet Rd, Kandivali, Asha Nagar,
Kandivali East, Mumbai, Maharashtra 400101, India
Lat 19.213463° Long 72.86553°
Sat, 19th Nov 2022 11:54 AM GMT +05:30
GPS Map Camera
29.86° C
213° SW

SEMINAR-ROBOTICS & ARTIFICIAL INTELLIGENCE

Report

The Department of B.Sc.IT and B.Sc.CS had organised a Seminar on "Robotics & Artificial Intelligence" for the Second Year and Third Year Students of B.Sc. IT and B.Sc. CS.Mr. Rahul Gupta started the session by interacting with students. The speaker had brought two functional Robots such as Traffic Sign Tracking Robot and Spidey Bot, A small robot which makes moves like dance, greeting, and moving forward and backward.

This part of the session was very interactive, and informative with maximum involvement of students.

Speaker had also given the products in students' hands to know more about them. He taught the students about the components used to build these two products. Furthermore he explained the importance of components and their uses.Knowledge shared by the speaker was amazing. All the students learned and enjoyed a lot. Further they demanded the speaker and co- ordinator to organize the workshop for Robotics and IOT in which the students will get the opportunities to build such small robos.

Speakers:Mr. Rahul Gupta (Founder, Passion 3D World)
Date: 19th November, 2022 (Saturday)
Time: 09:00 am - 11:00 am
Venue: Room No. 311, 3rd Floor.

Beneficiaries:S.Y and T.Y students of B.Sc.IT and B.Sc. CS

Coordinated By: Prof. Aparna Panigrahy and Prof. Shivkumar Chandey
No. of Beneficiaries: 45

SEMINAR-ROBOTICS & ARTIFICIAL INTELLIGENCE

Photographs

SEMINAR ON BI TOOLS (SNOWFLAKES & TABLEAU) & JOB SEARCH

Report

On Friday, 25th November, 2022 the Department of B.Sc. IT and B.Sc. CS had organized a Seminar on "BI Tools (Snowflakes & Tableau) & Job Search Tools" for students of SY Learners of B.Sc. IT and B.Sc. CS.

Ms. Shweta Shikarkhane, Data Analyst, Boston, Massachusetts, was the Guest Speaker. 52 Students attended the seminar and benefited from it. The program was conducted in the mini-Auditorium of the college from 11:30 am to 12:30 pm

SEMINAR ON BI TOOLS (SNOWFLAKES & TABLEAU) & JOB SEARCH

Photographs

SEMINAR ON CYBER SECURITY AWARENESS

<mark>Report</mark>

On Saturday, 10th December, 2022   the Department of B.Sc. IT and B.Sc. CS had organized a Seminar on "Cyber Security Awareness" for the students of B.Sc. IT and B.Sc. CS. This program was conducted by Maharashtra Cyber cell in association with Quick Heal Foundation. Speaker started the session by sharing basic information about cyber security and the basic terminologies associated with it. The introductory part was very informative to kick start the cyber security session. 120 Students attended the seminar and benefited from it. The program was organised from 09:00 am - 09:45 am in Room No. 311, 3rd Floor.

PHOTOGRAPH OF SEMINAR ON CYBER SECURITY AWARENESS

NIRMALA MEMORIAL FOUNDATION COLLEGE OF COMMERCE AND SCIENCE
KANDIVALI (EAST) – MUMBAI - MAHARASHTRA

PEER LEARNING SESSION ON "CAREER AS A FULL STACK DEVELOPER & PROJECT GUIDANCE"

Report

The Department of B.Sc.IT/CS had organized a Peer learning session on "Career as a Full Stack Developer & Project Guidance" for the students of First year and Second year B.Sc.IT and B.Sc.CS .

This session was organized to let the students know the concept of Full Stack Development and its current Job perspective in the industry. The session was quite interactive with maximum involvement of students.

Speaker: Mr. Rahul Dayal

Designation: Student of Third year B.Sc.IT

Date: 23rd April 2022
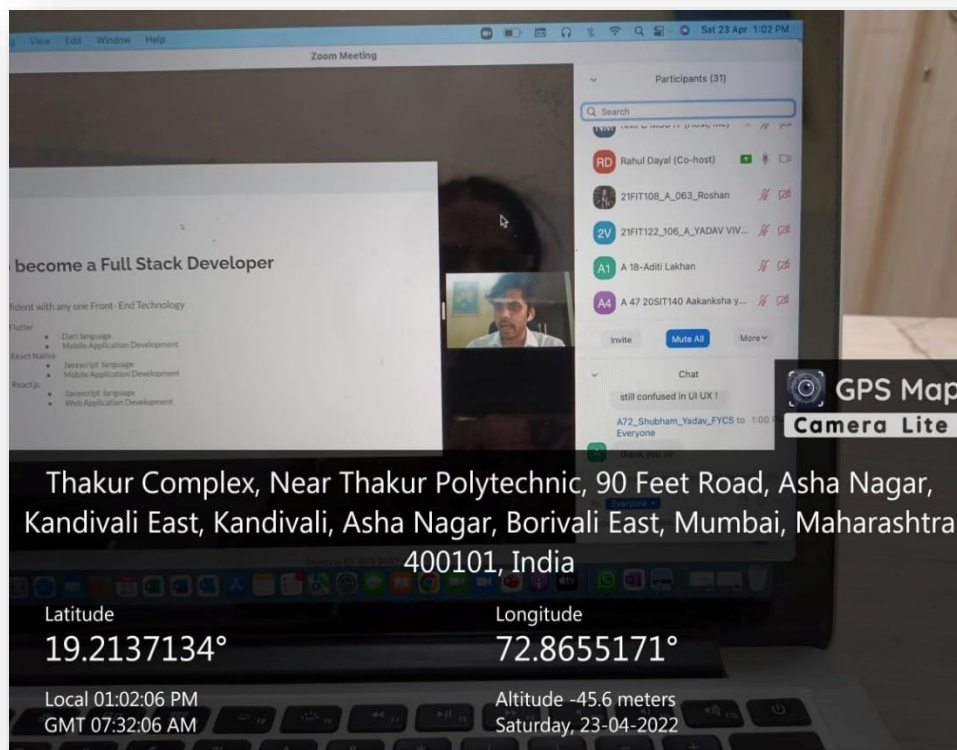
Time: 12.30 PM -1:30 PM

Mode: Online

Targeted Audience: Intra-collegiate students

Coordinated By: Prof. Aparna Panigrahy

No. of Participants: 64 Intra-collegiate students

PEER LEARNING SESSION ON "CAREER AS A FULL STACK DEVELOPER & PROJECT GUIDANCE"

Photographs

WORKSHOP ON BLOCKCHAIN HACKING

Report

Ms. Aparna Panigrahy, Asst. Professor had felicitated the resource person Mr. Vaibhav Khanderao, CEO of Scienox Technologies and initiated the workshop with a small welcome address and welcomed all the attendees of the program.

The Blockchain Hacking workshop was conducted for the students of M.Sc. IT Students by the speaker Mr. Vaibhav Khanderao.

The Speaker had demonstrated the topics live during the session covering majority of the topics from basics to advanced level. Students learnt a lot during this one day hands-on workshop and given amazing feedback for the speaker and course contents.

Students were very interactive and asked many questions on the blockchain, ethereum, smart contracts, etc.

Students were given an assignment, which was the criteria to grab the course completion certificate. All the students have submitted the assignments and made it possible to achieve the certificates.

Ms. Swiddle D'Cunha, I/C Principal presented the Certificate of Course Completion to all the attendees. Mr. Shivkumar Chandey, Asst. Professor, assisted the I/C Principal for the same.

Resource Person: Mr. Vaibhav Khanderao, CEO, Scienox Technologies

Date & Time: Thursday, 27th April 2023 [10.00 a.m. to 06.00 p.m.]

Venue: Computer Lab No. 04, 3rd Floor

Attendees: M.Sc. IT Students

No. of beneficiaries: 12

Take away from workshop: Course Completion Certificate Criteria to get the certificate: Assignment Submission

WORKSHOP ON BLOCKCHAIN HACKING

Photograph