

MPSTME Newsletter

JANUARY-JUNE 2022

MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING (SHIRPUR CAMPUS)

From the Desk of Associate Dean-MPSTME Dr Kamal Mehta



It gives me immense pleasure to share the 'MPSTME Shirpur Live' Newsletter with you all. In a very short span of just a decade, the Mukesh Patel School of Technology Management & Engineering, Shirpur established under the aegis of SVKM's NMIMS, has put itself at the forefront in the field of technical education. To mould young minds into future professionals and nurture their talents, the curriculum offers a unique blend of co-curricular and extracurricular activities. To inculcate, nurture and transform lives, various student driven and student centric activities are planned throughout the year in the campus. We are happy to share glimpses of such activities and initiatives through this issue of MPSTME Shirpur Live Newsletter. The Newsletter has presented a record of various co-curricular and extra-curricular activities conducted at NMIMS Shirpur Campus. Special mention of the achievements of faculty members and students have also been made. I hope that the Newsletter act as a catalyst for all others and inspires them for personal and institutional glory. I would like to congratulate the editorial team of the Newsletter for putting in untiring efforts to bring out this edition of the Newsletter.

From the Desk of Editors – MPSTME Shirpur Live Dr Sanjay Shrivastava & Dr Abhijeet Dawle

This issue is a brief account of the important events held from January 2022 to June 2022. It is expected that wide support for this mission will be provided through the reader's valuable suggestions and comments. We would like to thank all the editorial team members and coordinators for helping us pull this through. We express considerable appreciation to all the authors in this newsletter. These contributions have required a generous amount of time and effort. It is this willingness to share knowledge, concerns, and special insights with fellow beings that has made this newsletter possible. This newsletter will serve to reinforce and allow increased awareness, improved interaction, and integration among all of us. The progress of society mainly depends on many people who are working behind the scenes, overtime round the clock planning things to the smallest. This newsletter will be a medium to provide due acknowledgment and respect for all such efforts and their results. We hope that the present issue will be informative and enjoyable.



VISION

Play a distinct role in providing excellence in engineering and management education thereby creating human resources of value to industry and society both at national and international level.

MISSION

- Formulate relevant curriculum through strong industry linkages and interaction
- Ensure quality of education through pedagogical innovations
- Undertake and promote relevant research
- Ensure multifaceted development of students, faculty and staff through continuous introspection and inputs



CONTENTS

S.N.	CONTENT	PAGE NO.
1	WEBINAR/FDP/WORKSHOPS ORGANIZED	01
2	FACULTY ACHIEVEMENTS	08
3	CAMPUS ACTIVITIES	09
4	FACULTY DEVELOPMENT	14
5	RESEARCHPUBLICATION	15
6	STUDENTS' ACHIEVEMENTS	18
7	PLACEMENT PRONT	18
8	ALUMNI SPEAKS	20
9	INTERNATIONAL STUDY	21
10	EDITORIALTEAM	21
11	CONTACTUS	22

National Level Online Quiz Competition conducted on the occasion of National Science Day

The National Level Online Quiz Competition was conducted on the occasion of National Science Day for 11th & 12th Standard Students on 26th February 2022. The Online Quiz competition was free for registration and around 422 students registered for Online Quiz Competition. We are glad to inform you, out of the total registered participants for the Quiz 203 were from 11th & 219 from 12th class. Participants are from Dhule, Shirpur, Jalgaon, Mumbai, Nashik, Indore, Nanded, Solapur, Nandura, Vishakapatnam, Faridabad, Thane, and many more cities across India.

The valedictory prize distribution ceremony was conducted online on 28th February 2022 using Zoom platform. Prizes worth Rs 5000 were declared for the top 3 winners. The Online Quiz Competition was coordinated by Dr. Sugam Shivahare, Assistant Professor, ASH Department, and Prof. Dhananjay Joshi, Assistant Professor, Department of Computer Engineering under the guidance of Dr. Kamal Mehta, Associate Dean, MPSTME, Shirpur.









Webinar on "Interview Skills"

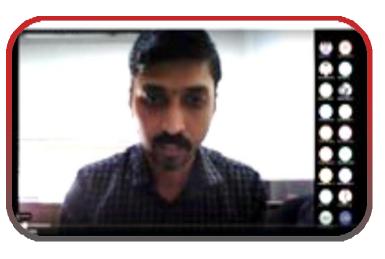
A webinar on 'Interview Skills' was conducted on the 5th February 2022. It was organised by Department of Applied Sciences & Humanities for First Year Students. Dr. Ram Bhise, Assistant Professor, Communication Skills, SIES Graduate School of Technology, Navi Mumbai delivered a presentation on Interview Skills. Dr. Abhijeet Dawle, Assistant Professor, ASH Department & Dr. Sanjay Shrivastava, Associate Professor, ASH Department coordinated this one subject one webinar.



Online Workshop on Core Python Programming







A three-day online workshop on 'Core Python Programming' was organized by SVKM's NMIMS MPSTME Shirpur, under initiatives of "LEARN TECH with NMIMS SHIRPUR," from 7th to 9th January 2022. The main objective of this workshop was to familiarize the participants with the basics of Python Programming. This workshop was free for registration, and it was open to all interested in learning programming.

The online workshop was attended by over 100 participants from all regions of Maharashtra. Prof. Dhananjay Joshi and Prof. Piyush Kumar Soni were the resource persons. The Resource Persons trained participants on various concepts of Python Programming. Formal feedback was taken by the organizing committee and it was very encouraging.

The workshop was coordinated by Prof. Dhananjay Joshi under the guidance of Dr. Akshay Malhotra, Director, MPTP Shirpur Campus, and Dr. Kamal Mehta, Associate Dean, MPSTME Shirpur. All administrative support was extended by Shri Rahul Dande, Chief Accountant & Administrator, Shirpur Campus. The Organizing Committee received support from Prof. Varun Deshmukh, Mr. Subhash Bhalerao, Mr. Gajanan Patil & Mr. Narendra Sonawane, and student Jasleen Kaur Sahni B. Tech 2nd year.

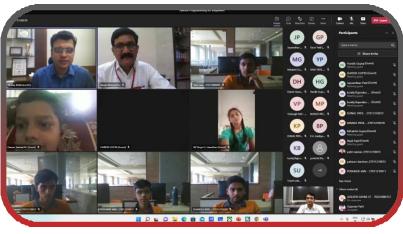




Online Workshop on Python Programming for Beginners

A four-day online workshop on 'Python Programming for Beginners' was conducted under the initiatives of "LEARN TECH with NMIMS SHIRPUR," from 27th to 30th April 2022, 02:00 PM-05:00 PM. The main objective of this workshop was to familiarize the participants with the basics of Python Programming. This workshop was free for registration, and it was open to all interested in learning programming.

An interesting thing about the workshop was it had participants from 5th to 12th standard students from the Dhule region and all were interactive throughout the workshop. Prof. Dhananjay Joshi was the resource person, he trained participants on various concepts of Python Programming.



Workshop on "Data Visualization with Python"

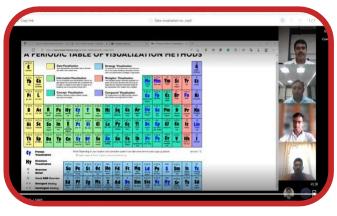
Department of Information Technology organized a workshop on "Data Visualization with Python" for 12th students on 21th June 2022. The event was conducted online through MS Teams. The resource person for the event were Mr. Pravin Kumar Landge and Mr. Piyush Kumar Soni .

The concept of Basics of Python and Data visualization and its importance were explained by the speakers. In the first session, Mr. Piyush Soni had explain the Python basics and addressed the student's queries. In the second session, Mr. Pravin Landge discussed the Importance and need of data visualization, he also informed about current trends and tools in data science industry and various career opportunities in the field of data science.

Presentation from the speakers were followed by a questionanswer session where the speakers addressed the student's queries. The event was concluded by Mr. Dhiraj Bhise with the vote of thanks to the speakers, organizer, and most importantly the students and the faculties who had attended this workshop.









Online Workshop on Python Programming for Beginners



A one-day online workshop on 'Python Programming for Beginners' was conducted under the initiatives of "LEARN TECH with NMIMS SHIRPUR," on 1st June 2022 from 02:00 PM-06:00 PM. Prof. Dhananjay Joshi was the resource person, he trained participants on various concepts of Python Programming.



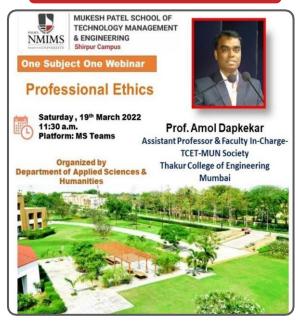
Webinar on "HOW TO HANDLE YOUR OWN FINANCE"



On 5th February 2022, the Finance Club of NMIMS, Shirpur coordinated a webinar on "How to Handle your Own Finance". Awarathon Awareness Initiatives Pvt. Ltd. conducted this webinar, which is a CSR initiative of CDSL (India's Largest Depository) with a mission to make financial education simple and accessible for all. It has created an e-learning platform, can be introduced (no charges apply) to basic financial concepts, their financial awareness. They have successfully conducted webinars in colleges of Mumbai University, Karnataka University, Madhya Pradesh University, and Andhra Pradesh University. So far, the platform has seen over 1200 students comprehensively utilizing the platform. An exclusive platform is created for students where students can register for the webinar, complete the course and obtain the certificate. Mr. Yogesh Kundnani, Senior Vice President, CDSL, who is an alumnus of NMIMS, was the speaker for the webinar. He along with his associates explained the basic concepts of personal finance and related decisions, which affect our day-to-day life. Dr. Ashok Panigrahi, Associate Professor, ASH Department, MPSTME coordinated the event on behalf of the Finance Club, NMIMS, Shirpur.



Webinar on "Professional Ethics"



A webinar on 'Professional Ethics' was conducted on the 19th March 2022. It was organised by the Department of Applied Sciences & Humanities for First Year Students. Prof. Amol Dapkekar, Assistant Professor, Communication Skills, Thakur College of Engineering, Mumbai delivered a presentation on Professional Ethics. Dr. Abhijeet Dawle, Assistant Professor, ASH Department & Dr. Sanjay Shrivastava, Associate Professor, ASH Department coordinated this one subject one webinar.

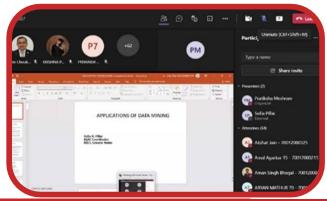
Webinar on Advances in Medical Textiles

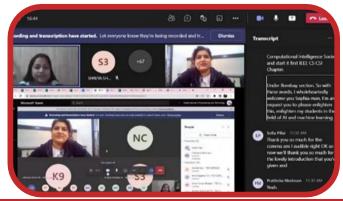


A webinar on 'Advances in Medical Textiles' was conducted on 12th March 2022. It was organised by Department of Textile Technology for Textile Technology students. Dr. Ketankumar Vadodaria, Associate Senior Faculty, Textile Design, National Institute of Design, Ahmedabad, Gujrat, delivered a presentation on Advances in Medical Textiles. Dr. Vijay Shivankar, Assistant Professor, Textile Department coordinated this one subject one webinar.

Webinar on "Applications of Data Mining"

Webinar on "Applications of Data Mining" by Prof. Sofia K. Pillai under One Subject One Webinar Scheme conducted on Saturday, 12 February 2022. The webinar started with the introduction of the guest faculty Ms. Sofia Pillai (IQAC Coordinator, NIET, Greater Noida, New Delhi) by Prof. Pratiksha Meshram. Guest Speaker then shared a presentation with students explaining the importance of data and some real-life examples where the importance of data can be seen. She further explained to students the meaning of the term Data Mining including tasks like Supervised and Unsupervised learning. She later began with core topic that was Applications of Data Mining and explained about different applications, techniques, and variants using different examples like decision trees. She concluded the topic by explaining bias in data mining, how and why it develops. The session was then followed by a Q&A round. The session finally concluded with a vote of thanks expressing gratitude towards the guest, Dr. N. S. Choubey, H.o.D IT, College administration and students. This event is attended by 71 participants.







Webinar on Fancy Yarns

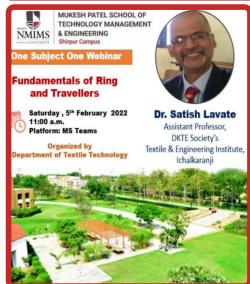


A webinar on 'Fancy Yarns' was conducted on 19th February 2022. It was organised by Department of Textile Technology for Textile Technology students. Dr. Shakeel Iqbal, Associate Professor & Centre Coordinator, Department of Fashion Technology, National Institute of Fashion Technology, Hyderabad, delivered a presentation on Fancy Yarns. Dr. Vijay Shivankar, Assistant Professor, Textile Department coordinated this one subject one webinar.





Webinar on Fundamentals of Rings and Travelers



A webinar on 'Fundamentals of Rings and Travellers' was conducted on 5th February 2022. It was organised by Department of Textile Technology Textile for Technology students. Dr. Saatish Lavate, DKTE Society's Textile and Engineering Institute, Ichalkaranji, delivered a presentation on Fundamentals of Rings and Travellers. Dr. Vijay Shivankar. Assistant Professor, **Textile** Department coordinated this one subject one webinar.



One Day Workshop On 3-D Printing Technology

"Department of Mechanical Engineering (DME) at MPSTME, Shirpur Campus conducted a workshop on "3 D Printing Technology" under the initiative: LEARN TECH WITH NMIMS SHIRPUR for XII standard passed-out students on July 02, 2022. Dr. Rakesh Chaudhari, Head- DME and Mr. Praveen Kumar Loharkar, Assistant Professor- DME were the resource persons along with Mr. Sunil Patil -Lab support staff-3 D printer. The speakers covered the fundamentals of 3 D Printing technology and related applications, discussed its relative advantages and limitations, introduced 3 D modelling concepts and software packages. It was followed by the demonstration of the 3 D Printer. The workshop culminated with a discussion on future opportunities in the field and an active Q & A session.



Webinar on "Data Science: Careers and Opportunities"





Department of Computer Science and Department of Information Technology organized a webinar on "Data Science: Careers and Opportunities" for 12th students on 18th June 2022. The event was conducted Online through MS Teams. The resource person for the event was Ms. Neha Nehra and the event was moderated by Mr. Praveen Loharkar. Ms. Neha Nehra is currently working as Associate Manager, part of the Customer Implementation Team in Supply Chain Domain GEP Worldwide, Prague, Czechia.

The concept of data science and its importance were explained by the speaker. She also informed about current trends and tools in data science industry. Various career opportunities in the field of data science were discussed. The presentation from the speaker was followed by a question answer session where the speaker, Dr. Kamal Mehta (Associate Dean, MPSTME) and Dr. N. S. Choubey (Head, IT Department) addressed the queries of the students.

The event was addressed by Dr. Kamal Mehta and concluded by Mr. Praveen Loharkar with a vote of thanks to the speaker, organizer, and most importantly the students and the faculties who had shown high interest in this event. This event is initiated by Dr. N. S. Choubey, Head, IT Department. This event is attended by more than 36 Participants.

Challenges and Opportunities for Manufacturing Industry in USA

A webinar was conducted by Mr. Chanchal Thakur, Project Group Lead, Microvention-Terumo, CA, USA on the topic "Challenges and Opportunities for Manufacturing Industry in USA" on Saturday, 12th March 2022. It was coordinated by Dr. Rakesh Chaudhari, Head, Department of Mechanical Engineering, and Praveen Kumar Loharkar, Assistant Professor, Department of Mechanical Engineering. The webinar was an insightful and enlightening experience for the students and the faculty alike. The speaker talked about the current industrial scenario in the United States and how the manufacturing industry is coping up with various challenges related to the evolution of automation and increased global competition.



Mr. Thakur also highlighted the opportunities available for budding engineers in terms of research and development, design engineering, project management, automobile engineering, etc. The talk was followed by a highly interactive question answer session wherein the speaker answered queries related to the programs suitable for building a career in the manufacturing industry at USA, the kind of skills required for preparing oneself for jobs, the importance of communication skills and personality.





One day online workshop on "Internet of things" under Learn Tech with NMIMS

On May 23, 2022, from 11:00 AM to 2:00 PM, the Department of Electronics and Telecommunication Engineering held a one-day workshop under the Learn Tech with NMIMS. IoT applications address a variety of real-world issues, including traffic congestion, city services, economic development, citizen engagement, and public safety and security. In smart cities, IoT sensors are typically incorporated into the physical infrastructure, such as lighting, water metres, and traffic signals. In order to enable participants to construct and deploy sensors utilizing the IoT platform, the workshop's objective was to encourage participants to get a fundamental understanding of the IoT domain. Dr. Suresh Kurumbanshi and Prof. Mayank Kothari, both from the Department of Electronics and Telecommunication Engineering, led this workshop.

Schedule of Workshop:

i opic covered	Time	Delivered by
Internet of Things	11.00-12.00 PM	Dr. Suresh Kurumbanshi
Arduino Sketches	12.00 -01.00 PM	Dr. Suresh Kurumbanshi
Break	01.00-01.15 PM	
Arduino Sketches/Hardware Testing	01.15 PM -02.00 PM	Dr. Suresh Kurumbanshi

Simulation using Tinkercad 02.00-03.00 PM Prof. Mayank Kothari

The workshop started with the introduction of IoT, its necessity, features, external devices required, arduino basics, complete arduino hardware description, arduino programming language.

The following modules were covered during the workshop

1. Program for LED blinking & its duty cycle adjustment 2. Control of LED blinking using control loops & functions. 3. Arduino sketches development & testing 4. Developing interfacing circuit between Temperature & humidity sensor and arduino. 5. Writing & testing program to read data of temperature and humidity sensor on serial port. 6.Creating Interface circuit between LED displays with Arduino, developing software to run numbers from 0 to 4 on display. 7. Creating circuit in Tinkercad weblink, designing of code through block model for Arduino. 8. Circuit interfacing of LED, LCD & Serial Monitors with Arduino Uno-R3 in Tinkercad. 9. Circuit development for collecting data from sensors i.e. Temperature, Display in Tinkercad. 10. Circuit development for automatic sanitization in tinkercad. Following are some of the screenshots captured during the workshop





AWARDS AND ACHIEVEMENTS



Ketan Sabale, Assistant Professor in the Department of Computer Engineering, MPSTME, Shirpur Campus, has completed his Ph.D. in Computer Science and Engineering from National Institute of Technology Goa (NIT Goa). He has carried out his Ph.D. work under Dr. S. Mini, Associate Professor, Department of Computer Science and Engineering, National Institute of Technology Goa. He has successfully defended his Ph.D. thesis entitled "Mobile Beacon-Assisted Localization in Wireless Sensor Networks" on 10/03/2022. His research interests include Wireless Sensor Networks, Mobile Ad-hoc Networks, and Swarm Intelligence.



Project Exhibition at MPSTME, NMIMS, Shirpur Campus

From March 28 to April 1, 2022, the NMIMS, MPSTME, Shirpur Campus hosted a project exhibition for first-year students. An innovative strategy was used by students in the second year of the B.Tech. in Computer Science to build projects on the most recent developments in Machine learning, Data Science, and XR. The project team was led by Pratkeek Tekriwal, Joel T Thomas, Chinmay Mulay, and Nityoday Teckchandani.

During the project exhibition, students were engaged in a discussion with the project lead about an innovative concept. The event was guided by Dr. Akshay Malhotra, Director, MPTP, Shirpur Campus, Dr. Kamal Mehta, Associate Dean, MPSTME, NMIMS, Shirpur Campus, Mr. Rahul Dande, Chief Accountant & Administrator and coordinated by Dr. Suresh Kurumbanshi, Assistant Professor, EXTC Dept. Around 150 students from the first year participated in project exhibition. Mr. Shourya Saxsena, Mr. Hirak Shah, and Joel T Thomas, B.Tech CE students, managed the event.









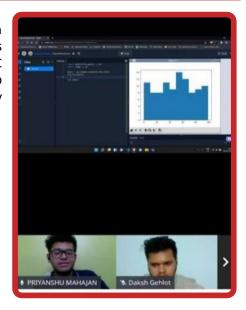


Workshop on Introduction to Python Programming conducted by Google

Developer Student Clubs



Two day workshop on Introduction to Python Programming was conducted for members of GDSC MPSTME Shirpur on 5th and 6th Feb 2022. This event was coordinated by Aman Singh Bhogal and Yash Garg.



Workshop on "DBMS and Data warehousing Concepts"

Faculty and students at NMIMS Shirpur gave workshops on the newest tools and technologies as part of the "Learn Tech NMIMS Shirpur" initiative. These workshops are open to anyone who is interested in these topics. Database management systems (DBMS) and Data warehouse and mining (DWM) are extensively used and commercially available technologies. They are the foundations of many sophisticated computing technologies and are required. The MPSTME Shirpur Campus hosted a one-day virtual training on DBMS Concepts and DWM Insights. on 5th February, 2022 from 11.30 am to 5.0pm. Around 50 Students attended this workshop. Students from Shirpur, Dhule, Pune, Jalgaon, and Mumbai joined this workshop.

Dr. Kamal Mehta, Associate Dean, MPSTME Shirpur, gave the keynote talk during the Workshop, addressing the relevance of the subjects. The workshop was guided by Dr. Nitin S. Choubey, Head of the Department, Information Technology Department, MPSTME Shirpur. The event was anchored by Mr. Samarth Verma, Student, BTech IT 2nd year. Following were the two keynote speakers of the Workshop.

Ms. Sonia Relan, Assistant Professor, MPSTME Shirpur delivered a 3-hour database management systems essential core concepts class that included Introduction, ER Modeling, RDBMS, and Hands on MY SQL.

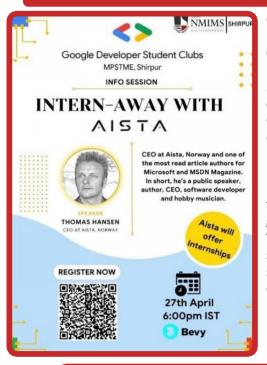
Ms. Pratiksha Meshram, Assistant Professor, MPSTME Shirpur, delivered a 3-hour workshop on Data-ware housing and mining key insights that included topics such as DWH Architecture, ETL, Hands on ETL, and Principles of Dimensional Modeling.







Info Session on Hyperlambda Conducted by Google Developer Student Clubs MPSMTE Shirpur



Online info session on Hyperlambda was conducted by Google Developer Student Clubs, MPSTME, Shirpur on 27th April, 2022. The session was conducted by Thomas Hansen, AISTA. CEO, Norway. explained Hyperlambda programming language. The purpose of Hyperlambda is to have a programming language that allows your computer to generate most of your code. Thomas Hansen explained its structure, properties, and the snippets provided in the magic's evaluator component.



Webinar on IoT for Smart Cities Conducted by Computer Society of India (CSI) student chapter (MPSTME, Shirpur)

The Computer Society of India (CSI) student chapter (MPSTME, Shirpur) organized a webinar entitled "IoT for Smart Cities" on February 5th, 2022, for the students of MPSTME Shirpur campus. The webinar was conducted online on MS Teams from 11:15 AM to 01:00 PM, and the speaker for the webinar was Dr. Prashant Panse. Dr. Prashant Panse is an Associate Professor and head of IT Dept. at Medi-Caps University, Indore [M.P.].

The main agenda of this event was to brief the students about the concept of IoT (Internet of Things) and how it can be applied to the functions of smart cities. The event was organized by the members of CSI student chapter and coordinated by Dr. Mayank Sohani and Prof. Piyush Kumar Soni.

The event started with a brief introduction of the speaker. Dr. Panse then took over the charge of webinar and explained the IoT concept and how it is being used in the smart cities' functions. He also quoted the example of Indore City and briefed out that how it has achieved the position of cleanest city using IoT. He also showed a short demo of the working of IoT using Cisco Packet Tracer, which made the concept easier and more understandable. A total of 26 participants enrolled for this event.

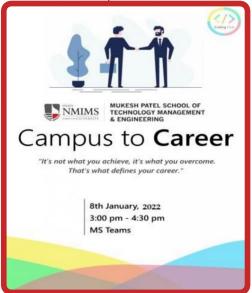






Campus to Career Conducted by Coding Club MPSMTE Shirpur

This event was organized by the Coding Club, MPSTME, Shirpur on 8th January 2022 for students appearing for placements and those seeking internships. It has covered how to crack various technical rounds of interviews. Furthermore, the concept of live coding during interviews was explained. The panel consisted of 4 guest speakers who shared how they attempted the technical rounds and their viewpoints on further studies.



The Community Sync Conducted by Google Developer Student Clubs MPSMTE Shirpur

The Community Sync was the first offline activity scheduled to participate in Google Solution Challenge. It was conducted on 12th March 2022. The various fun activities were conducted for community interactions during the event.



Narsee Monjee Model of United Nations (NMMUN'22)



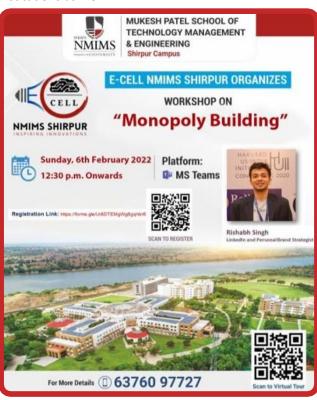
The 13th edition of Narsee Monjee Model United Nations Shirpur (NMMUN'22) was successfully organized by SVKM'S NMIMS, MPTP, Shirpur Campus on the 29th and 30th of January, 2022, achieving yet another milestone. The event was conducted by Dr. Kamal K. Mehta, Coordinator, Dr. Rakesh S. Choudhari, Co-Coordinator, Dr. Smita Bonde & Prof. Upendra Verma, Convener, and NMMUN Working Committee. The two days of the conference witnessed an overwhelming participation from students all over the nation. This conference was a thrilling start to the year, as the rendition reached a higher level.

We hosted more than 300 delegates from more than 13 different states across India. The conference included 8 different UN committees where the participants debated over agendas related to global issues. Along with an enthusiastic unit of delegates, we also had an experienced and responsible executive board and rapporteurs for moderating the conference in all aspects. The EB was led by the Secretary General, Miss Nandani Shenai. This two-day UN simulation included six sessions in which participants discussed a variety of problems connected to their agendas in order to come up with a solution to the dilemma. As a result, students are more likely to express their opinions. All of this was only possible due to the constant and immense efforts of the student organizing committee and the faculty coordinators.



Workshop on Monopoly Building Conducted by E-CELL NMIMS Shirpur

E-Cell NMIMS, Shirpur recently conducted a very informative workshop called 'Monopoly Building' on February 6th, 2022, at 12:30 PM. The event was coordinated by Prof. Sachin Bhandari and Prof. Chandrakant Wani. The main goal of this workshop was to provide students with a hands-on experience on budget planning as well as different styles of marketing to carry forward their start-up. E-Cell had invited an esteemed speaker Mr. Rishabh Singh, a brand strategist and Linkedin's youngest speaker, to teach students the essentials of building a monopoly. Mr. Singh carried out a very interactive as well as enlightening session and the main takeaways from his session were: to give your best, try to be out of the box, never give up and always have some like-minded people around. The session was followed by a brainstorming activity named 'Present Past Future', where attendees had to guess the future replacement of a product that is currently being used in the market. The workshop was a success with over 160 attendees that were from NMIMS, Shirpur and other institutions as well.



Upskill Event Conducted by E-CELL NMIMS Shirpur

Team E-Cell NMIMS Shirpur conducted an event, "Upskill", in which students had a discussion on case studies of various successful start-ups and learned the business methodologies adapted by those start-ups. The event "Upskill", hosted by E-Cell, took place on January 25th, 2022. The event was coordinated by Prof. Sachin Bhandari and Prof. Chandrakant Wani. It was a one-week activity and there were 98 teams who register for the event. The problem statement was given to the participating teams and the solutions were submitted by 52 teams. The teams were given an identified unsolved problem statement, to which each team had to devise a solution which should have been well-considered and should accomplish the goal. The participants had to keep in mind that the solutions should be capable of being sold in the market for revenue generation. After a fair evaluation of all the submitted solutions, three winners were announced on 31st January 2022.





• FACULTY DEVELOPMENT

Faculty Development Programme from IIT/NIT/IIM

S.N.	Faculty	Dept.	FDP	Date	Place	Organising Body
1	Mayank Kothari	EXTC	ML-Operations and its applications	13-17 June 2022	MPSTME Mumbai	SVKMs NMIMS Mumbai
2	Dr. Shubham Joshi	CE	One Week Self Sponsored Short Term Certification Course on Machine Learning and Data Science using Python	24-28 June 2022	NIT Jalandhar (Online)	Dr. B R Ambedkar National Institute of Technology, Jalandhar (NIT Jalandhar)
3	Ms. Pratiksha Meshram					
4	Mr. Pravinkumar Landge		EMERGING TECHNOLOGY	12-16 March 2022	MS Teams (Online Mode)	
5	Mr. Ritesh Dhanare	IT	TRENDS IN COMPUTER AND			SVKM's NMIMS
6	Mr. Piyush Kumar Soni	11	COMMUNICATION	12-10 March 2022		MPSTME Shirpur
7	Ms. Sonia Relan		ENGINEERING			
8	Mr. Dhiraj Bhise					
9	Dr. Vivekanand S. Bagal		Green Technology & Sustainability Engineering	10-14 Jan 2022	NIT Manipur	ATAL Academy
10	Dr. Sugam J Shivhare	ASH	Fundamentals of Photovoltaics	14-19 Feb 2022	Indian Institute of Technology, Jodhpur	GIAN

MOOC Courses/ NPTEL/ Swayam

S.N.	Faculty	Dept.	FDP	Date	Organising Body
1	Suyog Pande	EXTC	Python for Data Science (Score of 71%)	Jan-March 2021	NPTEL and IIT Madras, AICTE

Coursera Certificates Count

S.N.	Faculty	Dept.	Course Count
1	Prof. Dhananjay Joshi		03
2	Prof. Sachin Chavan		02
3	Prof. Varun Deshmukh	CS & CE	01
4	Prof. Sachin Bhandari		02
5	Dr. Shubham Joshi		01
6	Prof. Praveen Kumar Loharkar	ME	01
7	Prof. Ashish Mogra	IVIL	01
8	Dr. N. S. Choubey		01
9	Prof. Sonia Relan	l IT	02
10	Prof. Piyush Kumar Soni] ''	01
11	Prof. Pravinkumar Landge		01
12	Prof. Bipin Jadhav	ASH	02

Patent Information

	S.N.	Faculty	Patent Name	Date	Patent Application Number	l
1		Praveen				ĺ
	1	Kumar	Device for Joining of Materials using Microwave Energy	22/04/2022	202221021386 A	ı
	Loharkar				ı	



• RESEARCH PUBLICATION

Research Publication in SCOPUS INDEXED JOURNALS

S. N.	Name of the author/s	Title of the article / research paper	Name of the Journal	ISSN No.	Volume / Page No.	Date / Year	Publishing authority	Factor	Citation Index	Scopus Indexed Yes	Any other
1	Patil S., Nirkhi, S., Kurumbanshi Suresh., Kothari Mayank., Sonawane Sachin	Performance Analysis of Smart System with Algorithmic Optimization for Cavities Detection	Lecture Notes on Data Engineering and Communications Technologies	978-981- 16-6289- 8	90/ 519- 539	4 Jan 2022	Springer, Singapore	0.9 (cite score)		Yes	Confe rence paper
2	Patil S., Nirkhi, S., Kurumbanshi Suresh., Kothari Mayank., Sonawane Sachin	Normalized Feature Plane Alteration for Dental Caries Recognition	Lecture Notes on Data Engineering and Communications Technologies	978-981- 16-6289- 8	90/ 509- 518	4 Jan 2022	Springer, Singapore	0.9 (cite score)		Yes	Confe rence paper
3		Cohort study on recognition of plant species using Deep Learning methods	Journal of Physics: Conference Series	012006	2273	1 May 2022	IOP			Yes	
4	Piyush Kumar Soni,Radha Krishna Rambola	A Survey on Implicit Aspect Detection for Sentiment Analysis:Terminology, Issues, and Scope	IEEE ACCESS	2169- 3536	10	15 June 2022	IEEE	3.367		Yes	
5	Pratiksha Meshram and Radha Krishna Rambola	Diagnosis of depression level using multimodal approaches using deep learning techniques with multiple selective features	International Journal Expert Systems	1468- 0394	1	13 Jan 2022	Wiley	2.5		Yes	
6	Vijay K. Trivedi , Shalini Stalin, Shubham Joshi , Monagi H . Alkinani, Piyush K. Shukla, Bhupesh Gaure	multimedia domain using 3-3 LSB-based colour image steganography with RC4 and Bernoulli	Journal of Electronic Imaging	1017- 9909	VOL. 31 · NO. 3 / 1 - 20	26 May 2022	Journal of Electronic Imaging, SPIE Digital Library	1.006	2.2	Yes	
7	G. K. Kamalam, Shubham Joshi, Manish Maheshwari, K. Senthamil Selvan; Sajjad Shaukat Jamal, S. Vairaprakash, Musah Alhassan, M.A Bhagyaveni	Centered Position	Journal of Healthcare Engineering	2040- 2309	2022/ 1 - 10	7 April 2022	Hindawi Publicatio ns USA	3.822	2.9	Yes	
8	V. K. Reshma, Nancy Arya, Sayed Sayeed Ahmad, Ihab Wattar, Sreenivas Mekala; Shubham Joshi, Daniel Krah, Siddesh G.M.		BioMed Research International	2314- 6141	2022/	3 March 2022	Hindawi Publicatio ns USA	3.264	5.0	Yes	SCI Index (Q1)



RESEARCH PUBLICATION

Research Publication in SCOPUS INDEXED JOURNALS

S.	Name of the author/s	Title of the article /	Name of	ISSN	Volume /	Date	Publishing	Impact	Citation	Scopus	Any
3. N.	radine of the author/s	research paper	the Journal	No.	Page No.	/ Year	authority	Factor	Index	Indexed Yes	other
9	Shubham Joshi, B. Partibane, Wesam Atef Hatamleh, Hussam Tarazi, Chandra Shekhar Yadav, Daniel Krah, Bhagyaveni M.A	Glaucoma Detection Using Image Processing and Supervised Learning for Classification	Journal of Healthcare Engineering	2040- 2309	2022/1 - 12	01- 03- 2022	Hindawi Publicatio ns USA	3.822	2.9	Yes	SCI Index, Scopus (Q2)
10	Shubham Joshi, Anil Audumbar Pise, Manish Shrivastava, C. Revathy, Harish Kumar, Omar Alsetoohy, Reynah Akwafo Kalidoss Rajakani	Adoption of Blockchain Technology for Privacy and Security in the Context of Industry 4.	Wireless Communica tions and Mobile Computing	1530- 8677	2022/1- 14	22- 02- 2022	Hindawi Publicatio ns USA	2.146	3.5	Yes	SCI Index, Scopus (Q2)
11	Raja Krishnamoorthi, Shubham Joshi, Hatim Z. Almarzouki, Piyush Kumar Shukla, Ali Rizwan, C. Kalpana, Basant Tiwari, Deepak Garg	A Novel Diabetes Healthcare Disease Prediction Framework Using Machine Learning Techniques	Journal of Healthcare Engineering	2040- 2309	2022/1 - 10	11- 01- 2022	Hindawi Publicatio ns USA	3.822	2.9	Yes	
12	Praveen Kumar Loharkar, Asha Ingle	Assessment of Microwave Susceptors for Optimum Temperature Rise Using Parametric Numerical Simulation	Journal of Thermal Engineering	2148- 7847	8.3/323- 334	May/ 2022	Yildiz Technical University Press	NA	ESCI (Web of Science)	Yes	
13	Prashant Udawant, Dr Pravin Srinath	Cotton Leaf Disease Detection Using Instance Segmentation	JCIT	1548- 7717	Volume 24 Issue 4	Jan 2022	IRMA	1.87		Yes	DOI: 10.4018 /JCIT.29 6721
14	Ms. Pratiksha Meshram , Dr. Radha Krishna Rambola	Diagnosis of depression level using multimodal approaches using deep learning techniques with multiple selective features	Internation al Journal Expert Systems, Wiley Publications (John Wiley & Sons, Inc.,)	Onli ne ISS N: 1 468 - 039 4 e1239 9	Online version	13 Jan 2022	Wiley Online Library	2.67		Yes	https:// doi.org/ 10.1111 /exsy.12 933
15	Ritesh Dhanare, Kapil Kumar Nagwanshi, Sunita Varma	Enhancing the route optimization using hybrid MAF optimization algorithm for the internet of vehicle	Wireless Personal Communica tion	0929- 6212	Online version	02/03 /2022	Nature	1.671		Yes	https:// doi.org/ 10.1007 /s11277 -022- 09629-7
16	Ritesh Dhanare , Kapil Kumar Nagwanshi , and Sunita Varma	A Study to Enhance the Route Optimization Algorithm for the Internet of Vehicle	Wireless Communica tions and Mobile Computing	ISSN: 1530- 8669 E- ISSN: 1530- 8677	Volume 2022, Article ID 1453187, 20 pages	27 April 2022	Wiley- Hindawi	2.336		Yes	https:// doi.org/ 10.1155 /2022/1 453187



• RESEARCH PUBLICATION

Research Publication in SCOPUS INDEXED JOURNALS

-		I= 6:1					1			-	
S.	Name of the	Title of the article	Name of the	ISSN No.	Volume /	Date /	Publishing	Impact	Citation	Scopus	Any
N.	author/s	/ research paper	Journal		Page No.	Year	authority	Factor	Index	Indexed	other
										Yes	
17	A B Patil, N S Patil, V	Unsteady	Part E:	0954-	Online	01/06	SAGE	1.82		Yes	
	S Patil, P P Humane,	thermally radiative	Journal of	4089	Publishe	/2022	Publisher				
	Govind R Rajput	Prandtl fluid flow	Process		d						
		past a magnetized	Mechanical								
		inclined porous	Engineering								
		stretching device									
		with double-									
		diffusion, viscous									
		dissipation, and									
		Joule heating									
18	V S Patil, MD	Slipperation of	International	0735-	135/1-12	01/06	Elsevier	6.782		Yes	
	Shamshuddin, K	thermal and flow	Communicati	1933		/2022					
	Ramesh, Govind R	speed impacts on	ons in Heat								
	Rajput	natural convective	and Mass								
		two-phase	Transfer								
		nanofluid model									
		across Riga									
		surface:									
		Computational									
		scrutinization									
19	MD Shamshuddin, F	Thermo-solutal	International	0735-	135/1-12	01/03	Elsevier	6.782		Yes	
	Mabood, Govind R	dual stratified	Communicati	1933		/2022					
	Rajput, O Anwar	convective	ons in Heat								
	Bég, IA Badruddin	magnetized fluid	and Mass								
		flow from an	Transfer								
		exponentially									
		stretching Riga									
		plate sensor									
		surface with									
	_	thermophoresis									
20	P P Humane, V S	Dynamics of	Part E:	0954-	Online	01/02	SAGE	1.82		Yes	
1	Patil, A B Patil, MD	multiple slip	Journal of	4089	Publishe	/2022	Publisher				
1	Shamshuddin,	boundaries effect	Process		d						
	Govind R Rajput	on MHD Casson-	Mechanical								
		Williamson	Engineering								
1		double-diffusive									
1		nanofluid flow									
		past an inclined									
		magnetic									
1		stretching sheet				1		1			

STUDENTS' ACHIEVEMENTS

"Student's Achievement in a 24Hrs Hackathon"

Dhawal Padliya, 3rd Year (IT) and Honors degree (in collaboration with IBM) student have received the consolation prize in a 24Hrs Hackathon organized by IBM conducted at Yenepoya University, Mangalore on 27-28 June 2022. In the preliminary round, a total of 15 teams across India were shortlisted by IBM to participate in the said event. Dhawal Padliya represented our institute and implemented the project on "Bitcoins Price Predictor" and won consolation prize of Rs. 3000.





PLACEMENT FRONT

Training & Placement Activities at MPSTME

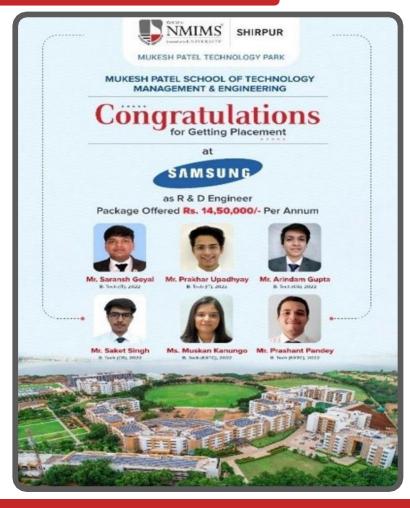
We continued our Placement activities in the 2nd phase. Placement season, which concluded in June 2022, has achieved an unprecedented level of feat with the final placement percentage reaching 95.6%. Also, this average placement % has moved up to 6.58 LPA with the highest Package being offered by Samsung R & D was 14.5 LPA. CS, IT, EXTC & Textile department achieved 100% placement. Out of total 152 placed students, 133 students secured Niche/dream offers. With this success on our back, we are all set to meet higher achievements in the upcoming placement season.

Training:

As it is well said that early birds have an advantage, so we have begun our placement preparation training for B tech 2024 passing from June 2022 itself.

Internship:

This semester also seen much higher number of TIP (Technical Internship Program) with stipends. Ms. Mahek Porwal got the highest Stipend of Rs. 50000/- per month while B tech student Ms. Shambhavi Gupta Got 1.25 Lakh per month Stipend.





PLACEMENT FRONT

Four types of Intelligence



According to Psychologists, there are four types of Intelligence:

- 1) Intelligence Quotient (IQ)
- 2) Emotional Quotient (EQ)
- 3) Social Quotient (SQ)
- 4) Adversity Quotient (AQ)
- 1. Intelligence Quotient (IQ): this is the measure of your level of comprehension. You need IQ to solve maths, memorize things, and recall lessons.
- 2. Emotional Quotient (EQ): this is the measure of your ability to maintain peace with others, keep to time, be responsible, be honest, respect boundaries, and be humble, genuine and considerate.
- 3. Social Quotient (SQ): this is the measure of your ability to build a network of friends and maintain it over a long period.

People that have higher EQ and SQ tend to go further in life than those with a high IQ but low EQ and SQ. Most schools capitalize on improving IQ levels while EQ and SQ are played down.

A man of high IQ can end up being employed by a man of high EQ and SQ even though he has an average IQ.

Your EQ represents your Character, while your SQ represents your Charisma. Give in to habits that will improve these three Qs, especially your EQ and SQ.

Now there is a 4th one, a new paradigm:

4. The Adversity Quotient (AQ): The measure of your ability to go through a rough patch in life, and come out of it without losing your mind.

When faced with troubles, AQ determines who will give up, who will abandon their family, and who will consider suicide.

Parents, please expose your children to other areas of life than just Academics. They should adore manual labour (never use work as a form of punishment), Sports and Arts.

Develop their IQ, as well as their EQ, SQ and AQ. They should become multifaceted human beings able to do things independently of their parents.

Finally, do not prepare the road for your children. Prepare your children for the road.

- Hari Singh Shekhawat, President - Human Capital & General Affairs, Welspun Group



ALUMNI SPEAKS

My time at NMIMS Shirpur was instrumental in preparing me for a job in research and academia. I was very fortunate to have access to a variety of research exposure, multiple co-curricular opportunities and the support and encouragement of the teaching, non-teaching and administrative staff throughout my Bachelor of Technology in Mechanical Engineering at NMIMS Shirpur. The placement office went beyond to provide resources to students looking for jobs, further education opportunities or entrepreneurship support.



Shannay Rawal
PhD student
Energy Sustainability Research Laboratory,
Department of Civil, Environmental and
Geodetic Engineering,
The Ohio State University
Alumnus from
Batch of 2020
B. Tech in Mechanical Engineering



Shuchita Beri Sr. Analyst, EY Alumnus of B Tech EXTC Batch of 2020

The NMIMS Shirpur campus offered me the opportunity to study in a lush green and clean environment campus. The fresh air and calmness of the serene atmosphere feels great. Apart from academics, the college had numerous extra co-curricular activities, which helped me build a good network and learn beyond the curriculum. Faculties and mentors have been extremely motivating and guiding. The placements of the college are very good, and I am happy to be a part of it. I thank NMIMS for shaping my future.



INTERNATIONAL STUDY OPPORTUNITIES FOR MPSTME

For B. Tech. Students:

Study for 2 years at MPSTME and rest 2 years at leading universities in Australia:

- University of New South Wales
- University of Canberra
- Western Sydney University

B. Tech. awarded by NMIMS and MS/MBA Awarded by

Stevens Institute of Technology

Summer School:

- University of California, Berkeley, USA
- Illinois Institute of Technology, Chicago, USA
- University of British Columbia, Vancouver, Canada
- Institute De Mines, Telecom Business School, Paris
- ESSCA Paris, Angers, Budapest, Shanghai

Internship in USA:

CIEE – Council on International Educational Exchange

Global Alliances and Networks:

 College Board, Graduate Management Admission Council, Shastri Indo - Canadian Institute.

EDITORIAL TEAM

Advisors:

Director, SVKM's, MPTP, NMIMS, Shirpur Campus Associate Dean, MPSTME, Shirpur Campus

Editors:

Dr Sanjay Shrivastava Dr Abhijeet Dawle

Graphics & Design:

Prof. Harshal Kotwal

Departmental Coordinators:

- Prof. Bhushan Inje (CS)
- Prof. Rehan Ahmad (EXTC)
- Prof. Ritesh Dhanare (IT)
- Dr Abhijeet Dawle (ASH)
- Mr. Prassana Ojha (T&P)
- Prof. Praveen Kumar Loharkar (Mech.)
- Dr Vijay Shivankar (Textile)









Contact Us



SVKM'S

Narsee Monjee Institute of Management Studies

Deemed to be UNIVERSITY

Mukesh Patel School Of Technology Management & Engineering, Shirpur Campus Mukesh Patel Technology Park, Village: Babulde, Bank of Tapi River, National Highway No: 3, Shirpur. Pin Code: 425405. Dist. Dhule, Maharashtra, India.

Phone No: 02563 - 286545 / 286546 / 286547 / 286548 / 286549 / 286550

Fax No: 02563-286552 Email : shirpur@nmims.edu

