

GOVERNMENT RESIDENTIAL WOMEN'S POLYTECHNIC, LATUR

DRISHTI

NEWSLETTER
ISSUE | 02
SEPTEMBER 2023



18th G20 Summit 2023 Key Takeaways

1. Unanimous Adoption Of New Delhi Leaders' Declaration
2. African Union Included As Newest member
3. Launch of Global Biofuel Alliance
4. MoU On India-Middle East-Europe Economic Corridor (IMEC)
5. Consensus On Climate Change

G20 Summit 2023

India's Presidency under the theme
*Vasudhaiva Kutumbkam -
One Earth, One Family, One Future*

Inside

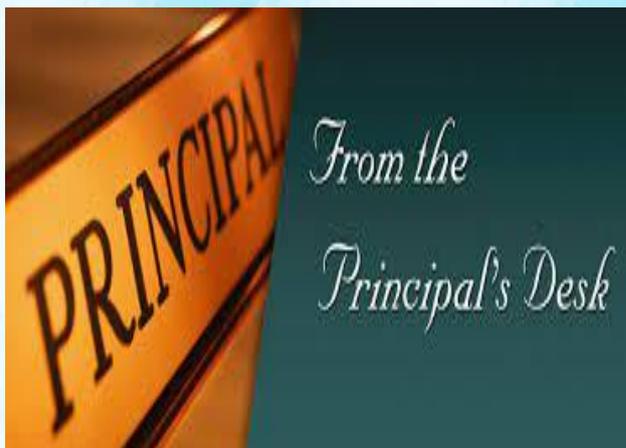
THE ISSUE

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- Follow the trends - Medical Electronics Special
- College Katta

The G20 summit 2023, held in New Delhi between September 9-10, concluded with significant outcomes and ambitious future promises. The affluence, amidst lingering global uncertainties, exceeded expectations and paved the way for initiatives such as India - Middle East Economic Corridor and the Global Biofuel Alliance.

India passed on the baton to Brazil, as it completed a stupendous, and undoubtedly the most magisterial presidency of the Group of Twenty. The Global Economic Co-Operation Forum accounts for more than 80% of World's GDP, 75% of Global Trade and 60% of the population of the Planet. The year long process came to a hard-bargained yet consequential end in the genesis of a unanimous document, the New Delhi Leaders' Declaration accepted on September 9, 2023. Held in a specially built convention centre, Bharat Mandapam, the gathering culminated in much more tangible results, certainly ambitious if not unimaginable.





Life is a journey and it is all about learning!!! From the first year till the Final year is indeed a preparation for a child to combat the challenges that the gigantic real world would pose. We try to mould the character and mental attitude of our students, instil basic principles of life in them and nurture their individual capabilities to the fullest.

GRWP, Latur bestows holistic education, immense learning experiences and other academic quests through the most innovative and progressive ways. Our students are making their mark not only in academics but also in the field of sports too. Our endeavour is to maintain a perfect harmony between the curriculum and the extra-curricular activities. We truly believe that our education should now move from knowledge to skills and wisdom, from competition to co-operation, from division to unity and finally from 'how to earn a livelihood' to 'how to live'.

We aim at making our students capable enough to be self-directed and self-managed individuals who can confront the challenges of life without wavering. Our children are not only taught to fly high in the open sky of tremendous opportunities but also to stay attached to their roots. Our institute has now earned a brand name for itself in entire Maharashtra, which is known far and wide for its quality education and grooming of young girls.

Our earnest effort is to provide a conducive learning environment to each and every student so that when they go out of the portals, they brim with confidence and emerge as the leaders of tomorrow.

**With Best Wishes,
Dr. Kamlakar Manikrao Bakwad
Principal,
Govt. Residential Women's Polytechnic, Latur**



To become Centre of Excellence providing quality technical education and training to make self reliant and responsible citizens.



To provide conducive environment for quality education

To extend facilities and services for excellence in technical education.

To inculcate values and ethics for life long learning through curricular, co-curricular and extra curricular activities.

To enhance the skills of faculties and staff through quality improvement training programmes and higher education .

The Editorial Team

Mrs. K. G. Giri, Lecturer (ET)
Mrs. A. S. Bhandare, Lecturer (ET)
Mrs. N. M. Jadhav, Lecturer (ET)
Mr. A. B. Mohale, Sr. Clerk
Ms. Aditi Shinde, ET3I



Events Gallery

1. Induction Programme for First Year Students

An induction programme was arranged for First year students on 1st and 2nd September, 2023 with a perspective to acquaint the students with the Diploma education environment. Also, to blend the students with the academic environment in the institute various sessions were arranged.



Mr. R. A. Kulkarni
• Hon. Chief Guest



Mr. S. D. Rathod
• Session on various branches in the institute



Mrs. K. G. Giri
• Session on MOOCs, Swayam, NPTEL



Notable Alumni



Talent Show for First Year Students



Talent Show for First Year Students

Mr. R. A. Kulkarni, Hon. Chief Guest for the programme, acquainted the students with the scenario of technical education and various resources available in the institution. He emphasized more on various aspects related to personality development. He also made an effort to imbibe various human values in the students through his impressive talk.

Dr. K. M. Bakwad, Hon. Principal, gave the students an informative detour of the institute in his lucid manner. He also gave the students the key to success in diploma education. Shri. S. D. Rathod, HOD, Computer Engg., guided the students with various branches of engineering available in the institution. He also provided a multi-disciplinary approach to students and how these are going to transform the world of work in coming future. Mr. I. S. Awale, Sel. Grade Lecturer (Electronics), acquainted the students with the outcome-based education (OBE) philosophy adopted for diploma curriculum design. He also guided the students with various assessment methodologies adopted for K scheme.

Mrs. R. V. Kotalkar, Lecturer (Physics), guided the students about creativity, Gender equality, communication skills, importance of cleanliness, health and



hygiene and safety. She also emphasized on the significance of plantation, meditation and yoga for a peaceful and healthy life. Mrs. K. G. Giri, Lecturer (Electronics) guided the students for NPTEL, SWAYAM, MOOCs, Spoken tutorials – an initiative by the Govt. of India for the spread of indigenous education for all through online platforms. Mrs. S. A. Agarkar, Lecturer (Electronics) & TPO, guided the students about various placement opportunities available after completion of diploma education. Mrs. P. R. Aitwade, HOD DDGM, coordinated for the alumni talk session. Notable alumni from all branches shared their success stories with the students definitely inspiring them to add more feathers of success for the institute. Mrs. A. A. Biradar, Lecturer (English) presented a wonderful vote of thanks notifying all the entities involved directly or indirectly for the successful conduction of the programme.

2. Mission 100% Admission



Dr. K. M. Bakwad, Hon. Principal, felicitated Mr. M. K. Suryawanshi, Lecturer (Maths) and Mr. V. D. Sangvikar, Lecturer (Chemistry), for their notable efforts as Admission Process Incharge. The collective efforts of all the teaching and non-teaching faculty members has helped to achieve 100% admissions in first year of all branches in the academic year 2023-24. Hon. Principal, acknowledging the efforts of one and all felicitated each and every member in the admission committee encouraging them to achieve more targets.

3. Umaji Naik Jayanti



Umaji Naik Jayanti was celebrated in the institute on 7th September, 2023 to honour this unsung hero. He was an Indian revolutionary who challenged the British rule in India around 1826 to 1832. He fought against East India company and company rule. Soon after the fall of Maratha Empire, Naik raised a tiny army against the British. His anti-British manifesto asked the country-men to fight against the foreign rulers. To capture him, the British Government announced a bounty of 10,000 rupees. Betrayed by another Ramoshi named Nana Raghu Chavan British arrested him, inquired then hold him guilty and hanged till death on 3rd February 1834 in Pune. He still continues to inspire us all. We salute his sacrifices!!

4. Workshop on 'PCB Designing & Simulation Software' by MU Department

The Medical Electronics Department arranged a three days' workshop on "PCB Designing & Simulation Software" for

second year students from 07th to 09th September, 2023. Mr. Prashant Panchal and Mrs. Sumedha Panchal, Digital Art work, Latur, shared their technical expertise with the students in a very lucid manner. During the workshop students underwent hands on training of simulation software and all PCB manufacturing process

like drilling, etching, soldering, components testing and mounting. Mrs. S. A. Hartalkar, HOD (MU), co-ordinated for the successful conduction of the workshop. Mrs. R. M. Sathe, Mrs. S. V. Shinde, Mr. K.K. Dixit, Ms. T. F. Shaikh assisted for the successful conduction of the workshop.



Mrs. S. A. Hartalkar, HOD, MU guiding the audience.



Students participating in the workshop



Students working on the circuits



Exposure to Simulation Software



Drilling

5. IETE Students Forum Installation Ceremony in ET Department



The Installation ceremony of IETE Students Forum (ISF) for the Academic Year 2023-24 was conducted on 8th September, 2023 at the hands of Mr. Mahesh Jadhav, Founder, MJEmbeyes Technocrats, Latur. Mr. Jadhav, guided the students towards increasing their technical skill set for a promising career in the world of work. Dr. K. M. Bakwad, Principal, Govt. Residential Women's

Polytechnic, Latur, and Chairman of the ISF Installation Ceremony, congratulated the newly appointed office bearers of ISF and wished the students to explore newer aspects in technological field. He encouraged the students to participate in various symposiums in large numbers and bag the advantage. Prof. I. S. Awale, Convener ISF, also encouraged the students for increased involvement in ISF activities. Mrs. K. G. Giri and



Mrs. S. H. Chincholkar, Lecturer (Electronics), Co-Convener ISF co-ordinated for the successful conduction of the event. Mr. P. M. Swami, Lab Assistant, helped for the arrangements. Ms. Tejal Gunjarge and Ms. Shraddha Birajdar, ET3I were the anchors for the event.

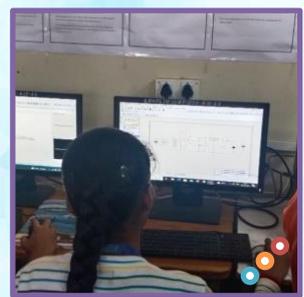
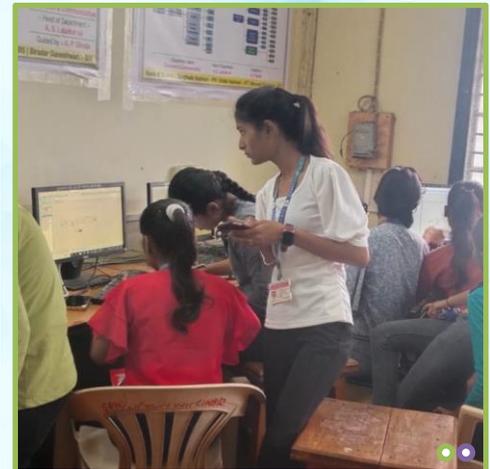
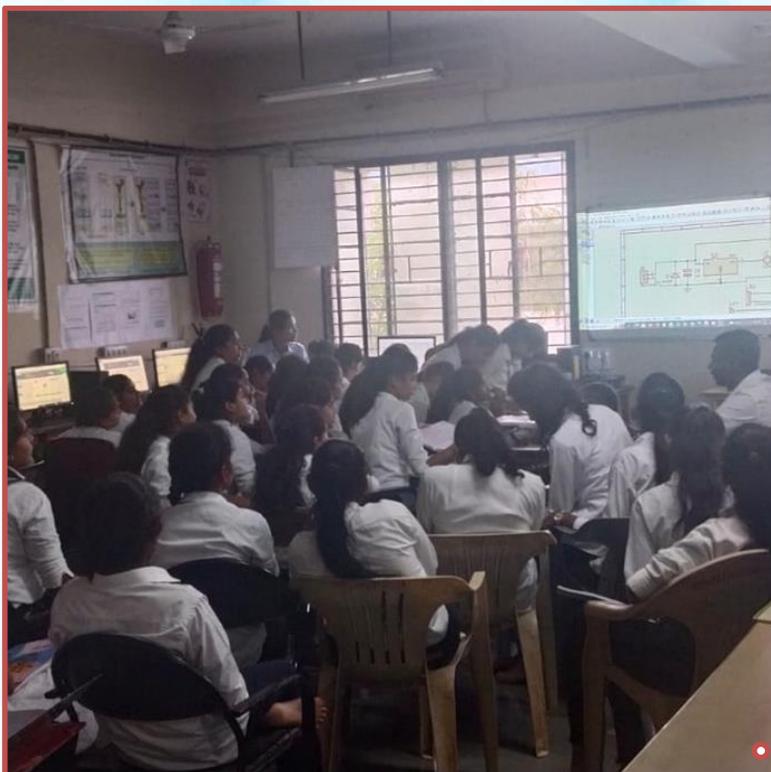
6. MoU signing ceremony by ET Department with MJEmbesys Technocrats, Latur



The department of Electronics & Communication Engineering signed a memorandum of understanding with MJEmbesys Technocrats, Latur. This technical alliance is made to share technical expertise, six weeks industrial training, industrial visits, technical workshops and industry sponsored projects. This initiative by the department is beneficial not only for students but an initiative towards faculty development as well. Mrs. K. G. Giri, Lecturer (Electronics) co-ordinated for the signing of this MoU under the noble guidance of Hon. Principal & HOD (ET), Dr. K. M. Bakwad.

7. Workshop on 'PCB Design & Manufacturing using Proteus' by ET Department

Mr. Mahesh Jadhav, Founder, MJEmbesys Technocrats, Latur, successfully conducted a 03 days technical workshop on PCB Designing and Manufacturing using Proteus from 08th to 10th September, 2023. This session was attended by 72 students from Second year Electronics & Communication Engg. It was a thorough session on PCB Designing using various softwares like Proteus. The students were provided complete hands-on experience of PCB development process. This workshop was an effort by the department to hone the hands-on skills of students. Mrs. K. G. Giri, and Mrs. S. H. Chincholkar, co-ordinated for all the necessary arrangements. Mr. P. M. Swami, Lab Assistant, helped for the arrangements.



8. Maharashtra State Innovation Challenge

The Government of Maharashtra in association with Maharashtra State Innovation Society has launched Maharashtra Student Innovation Challenge 2023. It is an initiative to help budding engineers to become thought leaders and change makers of tomorrow with their innovative ideas for a clean and sustainable world!!! The students are expected to convert any idea around them into an business concept and participate in the challenge. On 11th September, 2023 Mr. Vedant Patil, Maharashtra State Innovation Society, guided the students regarding various business ideas and entrepreneurial traits. He encouraged more and more students to participate in this challenge.



9. Engineers' Day Celebration in the institute



The institute had arranged a guidance session by Hon. Mr. B. K. Kumbhar, Retd. Principal, Purnamal Lahoti Government Polytechnic, Latur on 18th September, 2023. Mr. Kumbhar, in his impressive style gave a detour on the entire life of Sir M. Visvesvarayya. He discussed the achievements of Sir M. Visvesvarayya in his witty fashion. He also acquainted the audience with the contributions of this great engineer which definitely sculpted the New Age India with reformed civil engineering. Around 300 students from all branches and faculty members attended this session.

Computer Engineering (CO) Department

Teachers' Day & Engineers' day was celebrated together on 15th September, 2023 in Computer Engg department. All teaching & non-teaching staff, all students of computer department attended program, in presence of Hon. HOD, Mr. S. D. Rathod and Hon. Principal Dr. K. M. Bakwad. Students presented all information and achievements of Dr.Sarvappali Radhakrishanan & Sir Mokshagundam Vishveshwaraya in the form of PPTS and Videos. Students also mentioned the importance of Engineers with the example of Chandrayan-3. Hon. Principal, Dr. K. M. Bakwad & HOD, Mr. S. D. Rathod, motivated the students on occasion of Engineers Day.



✚ Electronics & Communication Engineering (ET) Department



The Electronics & Communication Engineering department arranged an elocution competition to celebrate Engineers Day & Teachers Day on 15th September, 2023. Students from first and second year delivered speeches on the achievements of Sir M. Visvesvarayya. Some students also sang songs on teachers. Hon. Principal, Dr. K. M. Bakwad, guided the students to become successful as an engineer. Mrs. N. M. Jadhav, Lecturer (Electronics) co-ordinated for the successful conduction of the event.

✚ Medical Electronics (MU) Department



The Medical Electronics department arranged a Micro-Project Display to celebrate Engineers Day on 15th September, 2023. Around 126 students from first, second and third year participated in the event. The students wonderfully demonstrated the working models of their micro-projects displaying the true essence of an engineer to create something. Hon. Principal, Dr. K. M. Bakwad, interacted with all the students and was pleased with their outstanding efforts. Mrs. S. A. Hartalkar, HOD (MU) was assisted by Ms. T. F. Shaikh, Visiting Lecturer (MU) for the successful conduction of the event. All the teaching and non-teaching faculty members worked hard for this event.

+ Civil Engineering (CE) Department



The Department of Civil Engineering felicitated all the faculty members and the members of the Student Council on the eve of Engineers' Day on 15th September, 2023. Hon. Dr. K. M. Bakwad, Principal guided the students to achieve success in life. Mr. S. J. Bagre, HOD (CE), also congratulated the student council and motivated the students to become a successful engineer. The students delivered a fantastic display of achievements of Sir M. Visveswarayya, through their speeches.

+ Dress Designing & Garment Manufacturing (DDGM) Department



The DDGM department arranged the 'Traditional Costumes Display' to celebrate Engineers' Day on 15th September, 2023. The students dressed in various traditional costumes depicted the traditional essence of India and ignited the spirit of 'Unity in Diversity' in the minds of all. The rich heritage of India was shown in the mesmerising display. Hon. Principal Dr. K. M. Bakwad and Mrs. P. R. Aitwade, HOD (DDGM), congratulated the students and encouraged them. Mrs. A. N. Yadav and Mrs. A. A. Gadve, Lecturer (DDGM) with the assistance of all visiting faculties made all the necessary arrangements for the successful conduction of the event.

10. State Level Online Quiz conducted under IE (I) Students Chapter

A State level Online Quiz was conducted on 16th September, 2023 under the Institution of Engineers (India) Students Chapter as a part of Engineers Day celebrations. This quiz was conducted for Electronics & Telecommunication Engg., Medical Electronics, Computer Engg., Civil Engg., and Dress Designing & Garment Manufacturing students. It had three sections – General Aptitude, Basic & Applied knowledge and recent trends in specific discipline. Around 1780 students from 35 different polytechnics in Maharashtra participated in this event. The winners were awarded with cash prizes of Rs. 1500, Rs. 1000 and Rs. 500 respectively in each discipline. The Winners are as follows –

1. Electronics & Telecommunication Engg
 - i. Pawar Utkarsha Sunil – Government Polytechnic, Nashik
 - ii. Gharat Rohit Kishor – Government Polytechnic, Pen
 - iii. Kamble Shiddhodhan Bhimrao – VDF School of Polytechnic, Latur
2. Medical Electronics
 - i. Solanke Sharayu Harishchandra – GRWP, Latur
 - ii. Pawar Srushti Harishchandra – GRWP, Latur
 - iii. Tompe Ankita Jitendra – GRWP, Latur
3. Computer Engg
 - i. Sawant Riddhi Vijay – Government Polytechnic, Thane
 - ii. Digole Ravi Dayanand – VDF School of Polytechnic, Latur
 - iii. Pakale Yash Pradip – Government Polytechnic, Solapur
4. Civil Engg
 - i. Khairnar Ninad Hemant - Government Polytechnic, Nashik
 - ii. Masne Sudhanshu Vinod – VAPM, Almala
 - iii. Patil Nayan - Government Polytechnic, Nashik
5. Dress Designing & Garment Mfg.
 - i. Pawar Aditi Changdeo – GRWP, Tasgaon
 - ii. Nikam Shyamal Sukhdeo – GRWP, Tasgaon
 - iii. Patil Tanvi Hemant – GRWP, Tasgaon

This quiz was conducted by the continuous support and motivation of our Hon. Principal, Dr. K. M. Bakwad. Mrs. K. G. Giri, Co-Ordinator IE (I) and Mrs. S. A. Hartalkar, Co-coordinator IE (I) looked after all the arrangements for the successful conduction of the quiz. Mr. S. D. Rathod HOD (CO), Mrs. P. R. Aitwade Mam HOD (DDGM), Mr. I. S. Awale, Mr. S. J. Bagre HOD (CE) helped for publicizing the event through their contacts.

Government Residential Women's Polytechnic, Latur (Maharashtra)
Institution of Engineers (IETE)
Students Forum presents
Engineer's Day Celebration

ARTIFICIAL INTELLIGENCE - A THREAT OR A BENEFIT

ROBOTICS IN INDIAN INDUSTRY - FUTURE TRENDS

GREEN ENERGY - A SUSTAINABLE APPROACH

WOMEN'S SAFETY - THE TECHNOLOGY ASPECT

INFLUENCE OF SOCIAL MEDIA

POSTER PRESENTATION COMPETITION

16th September, 2023

FOR MORE DETAILS:

1. MS. NEHA BIRADAR - 9860932800
2. MS. NANDINI KADAM - 9503371876
3. MS. RATNAMALA SORDE - 9699457008
4. MS. ADITI SHINDE - 8459973946

REGISTRATION LINK

Mrs. A. S. Bhandare, Mrs. V. S. Agrawal, Lecturer (ET) Mrs. R. M. Sathe, Lecturer (MU) Mrs. M. G. Mulge, Mrs. B. P. Kadam, Lecturer (CO), Mrs. A. N. Yadav, Mrs. A. A. Gadve, Lecturer (DDGM) assisted with the paper setting for the quiz. This quiz proved to be colossal success for the institute.

11. Poster Presentation conducted by IETE Students Forum

The IETE Students Forum organised a Poster Presentation as a part of Engineers' Day celebration on 16th September, 2023. It was conducted for five different topics namely, Artificial Intelligence – A threat or a benefit, Robotics in Indian industry – future trends, Green Energy – A sustainable approach, Women's Safety – The technology aspect and Influence of social media. This competition was open for all branch students. Around 53 students from all branches participated in this event.

Mrs. R. M. Sathe, Lecturer (MU), Mrs. A. A. Gadve,

Government Residential Women's Polytechnic, Latur (Maharashtra)
Institution of Engineers (India)
Students Chapter
Presents...

State Level Online Quiz

First Prize - Rs. 1500
Second Prize - Rs. 1000
Third Prize - Rs. 500

- General Aptitude
- Discipline Specific Knowledge
- Recent Trends

Electronics & Telecommunication
Medical Electronics
Computer Engg
Civil Engg
Dress Designing & Garment Mfg.

SATURDAY 16 September 2023 11:00AM

Register Now!!
Scan the QR Code
Joining respective whatsapp group is mandatory.

Dr. K. M. Bakwad
Principal,
Government Residential Women's Polytechnic,
Latur

FACULTY CO-ORDINATORS
Mrs. K. G. Giri - 9049284429
Mrs. S. A. Hartalkar - 9422641036

E-mail: statelevelquiz0136iei@gmail.com

Lecturer (DDGM), Mrs. S. A. Reddy, Lecturer (EE), Mr. P. P. Chilme, Lecturer (CO) and Mr. P. D. Jagtap, Lecturer (ET) judged each category for posters. Mrs. K. G. Giri, ISF Co-Convener and Mrs. N. M. Jadhav, Lecturer (ET) co-ordinated for the successful conduction of the event.

The Winners are as follows –

1. Artificial Intelligence – A threat or a benefit
 - i. Amruta Narsing Ramrule & Ratnamala Dinanath Lohar – ET1K
 - ii. Neha Devidas Biradar & Kranti Nandkishor Jadhav – ET5I
2. Robotics in Indian industry – future trends
 - i. Ratnamala Shivshankar Sorde & Pradnya Angad Landge – ET3I
 - ii. Roshani Baswaraj Sunke & Rutuja Angad Jadhav – ET3I
3. Green Energy – A sustainable approach
 - i. Shreya Milind Gaikwad & Gayatri Ravindra Karpe – CO1K
 - ii. Janhavi Ratan Lahubande & Pooja Laxman Sawant – ET3I
4. Women's Safety – The technology aspect
 - i. Rutuja Vikram Rathod – DD5I
 - ii. Kanchan Dhanraj Yerole & Tejal Tanaji Gunjarge – ET3I
5. Influence of social media
 - i. Vaishnavi Rameshwar Gangthade & Ankita Sambhaji Dadge – ET5I
 - ii. Shivani Kishor Warpe – CE1K

12. Voters' Awareness Campaign Rangoli Competition

A rangoli competition was arranged for all department students in the institute on 16th September, 2023. This rangoli competition was conducted in association with the Hon. Collector Office, Latur District. It was an collective effort of the institute with Hon. Collector Office, Latur District, to spread awareness among new voters about the biggest democracy which has its foundation in voting and election of leaders. Around 180 students participated in this event. Students sketched wonderful rangolis and portrayed the importance of democracy through the beautiful rangolis. Hon. Collector, Mrs. Varsha Thakur Ghuge & Hon. Dy. Election Officer, Dr. Suchita Shinde, during their visit to the institute on 18th September, 2023 appreciated the efforts taken by the students. Mrs. R. V. Kotalkar, Lecturer (Physics) and Mr. J. C. Rathod, Lecturer (Mechanical) co-ordinated for the successful conduction of this event.



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13. Marathwada Muktisangram Din Celebration in the institute

The institute celebrated 'Marathwada Muktisangram Din' on 17th September, 2023. It marks the anniversary of Marathwada's integration with India when the Indian military, liberated State of Hyderabad, and defeated the Nizam on 17 September 1948, 13 months after Indian independence.

The day, 17th September is memorable for every single person from Marathwada. A number of known and unknown patriots sacrificed their lives in the liberation movement. The contribution of various districts from Marathwada in the liberation movement was significant.



We offered humble tributes to all the martyrs who laid down their lives in the Marathwada Mukti Sangram on this memorable occasion.

Hon. Principal, Dr. K. M. Bakwad, hoisted the flag on this auspicious occasion. The Gymkana team, Mrs. P. R. Aitwade, HOD (DDGM) and Mrs. R. V. Kotalkar. Lecturer (Physics) co-ordinated for the successful conduction of the event.

14. Keshav Sitaram Thackrey Jayanti



The institute celebrated 'Keshav Sitaram Thackrey Jayanti' on 17th September, 2023. Keshav Sitaram Thackeray, commonly known by his pen name 'Prabodhankar Thackeray', was an Indian social reformer. He campaigned against superstitions, untouchability, child marriage and dowry. He was also a prolific author. All the teaching and non-teaching faculty members paid homage to this great social reformer and remembered his preachings. Mr. P. D. Jagtap, Lecturer (Electronics) co-ordinated for the conduction of this event.

15. Students' Council Inauguration



The Students' Council for the academic year 2023-24 was inaugurated at the hands of Hon. Collector (Latur District), Mrs. Varsha Thakur Ghuge on 18th September, 2023. She was accompanied by Hon. Dy Election Officer, Dr. Suchita Shinde. The students welcomed her with a zealous 'Lezim Pathak' displaying the



rich tradition and culture of Maharashtra. Hon. Principal, Dr. K. M. Bakwad, acquainted the Hon. Guests and the audience with the achievements of the institute and the conducive environment in the institute for girl students making it a notable institute in Maharashtra providing quality technical education to women. Hon. Collector, Mrs. Varsha Thakur, in her speech, congratulated the newly elected members of the student council. She also felicitated the winners of the Poster Presentation Competition held on Engineers' Day. She was mesmerised with the portrayal of knowledge by students in their posters. She also appreciated the rangolis made by students in Voters' Awareness Campaign Rangoli Competition held on 16th September, 2023. Hon. Dy Election Officer, Dr. Suchita Shinde, felicitated the winners of the rangoli competition with the trophies and certificates from Hon. Collector Office, Latur. Students were very happy to receive them.



Hon. Collector, Mrs. Varsha Thakur, interacted with the students with great interest. She shared her success story and also shared some incidents in her life. She guided the students for overcoming the barriers to girl students and succeed in life.

The first issue of institute newsletter "Drishti" was unveiled on this occasion. Mrs. P. R. Aitwade, HOD (DDGM) and Mrs. R. V. Kotalkar, Lecturer (Physics), the Gymkhana team, strived hard for the successful conduction of this event under the guidance of Hon. Principal, Dr. K. M. Bakwad.

16. Kalpana Chawla Vaatika Inauguration



The institute under the 'Har Ghar Nursery' campaign, inaugurated the 'Kalpana Chawla Vaatika' at the hands of Hon. Collector (Latur District), Mrs. Varsha Thakur Ghuge and Hon. Dy Election Officer,



Dr. Suchita Shinde on 18th September, 2023. This initiative is an effort by the institute to imbibe the importance of plantation and combat issues like deforestation. It also helps to create a pollution free environment in the institute. The students arranged a Vruksha Dindi on this occasion to spread awareness about tree plantations. The students from first year all branches created saplings for plantation. Mrs. R. V. Kotalkar, Lecturer (Physics), co-ordinated for the conduction of this event.



17. Pandit Deendayal Upadhyay Jayanti

The institute celebrated

Pandit Deendayal Upadhyay Jayanti on 25th September, 2023. His message was to build a strong and prosperous Indian nation on the foundation of Indian culture which guarantees freedom, equality and justice to all (Dharmarajya), maximum good to all (Sarvodya and Antyodaya) and synthesis, not conflict, as the basis of life (Samanvaya). All the teaching and non-teaching faculty members honoured his preachings on this day. Mr. P. D. Jagtap, Lecturer (Electronics) co-ordinated for the conduction of this event.



18. Industrial Visit to Drishti Creative Solutions, Latur – DDGM Dept

The DDGM department arranged an industrial visit to Drishti Creative Solutions, Latur on 09th September, 2023. Around 45 students from second year DDGM visited there. The students explored the art museum for various creative artworks, murals, sculptures, paintings etc. Mrs. A. N. Yadav, Mrs . A. A. Gadve, Lecturer (DDGM) accompanied by visiting faculties in the department co-ordinated for the successful conduction of the visit.



19. Workshop on Innovative Media Techniques – DDGM Dept

The DDGM department successfully conducted a workshop on Innovative Media Techniques on 30th September, 2023. Mr. Vinay Bagde shared his expertise in creative methods in fashion drawing. Around 45 students from First year DDGM attended the workshop to brush up their skills. Mrs. A. N. Yadav, Mrs . A. A. Gadve, Lecturer (DDGM) accompanied by visiting faculties in the department co-ordinated for the successful conduction of the workshop under the guidance of Mrs. P. R. Aitwade, HOD (DDGM).



20. Workshop on Nauwari Saree Making – DDGM Dept



The DDGM department successfully conducted a three day workshop on 'Nauwari Saree Making' from 30th September to 02nd October, 2023. Mrs. Shweta Shinde, FashionNotes Boutique and Training Centre, Baramati, shared her expertise on various nauwari sarees



like Shahi mastani, Brahmani kashta, Marathmoli Kashta etc. The students were given ample hands on experience in this workshop. Around 42 students from Second year DDGM attended the workshop. Mrs. A. N. Yadav, Mrs. A. A. Gadve, Lecturer (DDGM) accompanied by visiting faculties in the department co-ordinated for the successful conduction of the workshop under the guidance of Mrs. P. R. Aitwade, HOD (DDGM).



21. Visit to Killari – CE Department

The Civil Engg Department arranged an visit to Pratham Education Foundation, Killari on 09th September, 2023. 75 students from second year CE visited the foundation. Students were able to learn various types of foundations, types of form work, bond machinery etc. Mr. A. R. Salunke, Mr. A. L. Bhosale, Mrs. S. S. Jivane Visiting Lecturer (CE) accompanied the students along with Ms. Poonam Raut, Tech. Lab Asst. (CE).





*Solanke Sharayu Harishchandra – III MU - First
Pawar Srushti Harishchandra – III MU - Second
Tompe Ankita Jitendra – III MU – Third
Prize Winners in State Level Online Quiz – MU Department
arranged under Institution of Engineers (India) Students
Chapter on 16th September, 2023.
**Heartiest Congratulations from the entire
institute!!!***

Other Institute Winners in State Level Online Quiz organized by GRWP, Latur



Government Residential Women's Polytechnic, Tasgaon



Government Polytechnic, Nashik



Government Polytechnic, Pen



Government Polytechnic, Solapur



VDF School of Polytechnic, Latur



VAPM, Almala

Poster Presentation Winners



Amruta Narsing
Ramrule



Ratnamala
Dinanath Lohar



Neha Devidas
Biradar



Kranti
Nandkishor
Jadhav



Ratnamala
Shivshankar
Sorde



Pradnya Angad
Landge



Roshani
Baswaraj Sunke



Rutuja Angad
Jadhav



Shreya Milind
Gaikwad



Gayatri Ravindra
Karpe



Janhavi Ratan
Lahubande



Pooja Laxman
Sawant



Rutuja Vikram
Rathod



Kanchan
Dhanraj Yerole



Tejal Tanaji
Gunjarge



Vaishnavi
Rameshwar
Gangthade



Ankita Sambhaji
Dadge



Shivani Kishor
Warpe



Women at
#Work
#Inspiration



Mrs. Nirmala Sitharaman

Minister of Finance
Minister of Corporate Affairs
Government of India

Nirmala Sitharaman,
The woman who shattered the glass ceiling not once but twice!!!

Early Life and Education

Born on August 18, 1959, Mrs. Sitharaman and her family hail from Tamil Nadu. She was born to a Tamil Iyengar Brahmin family and her father worked as an Indian Railways employee. As a young girl, she studied in schools in Madras as well as in Tiruchirappalli. It was in Tiruchirappalli where she acquired a Bachelor of Arts degree in economics from the Seethalakshmi Ramaswami College. As a 25 year old, Nirmala moved to Delhi so that she could complete her Master of Arts and MPhil in economics from the prestigious Jawaharlal Nehru University.

While studying at JNU, Nirmala Sitharaman met her husband, Parakala Prabhakar. Despite having differing political ideologies, the couple got married in 1986 and went on to have a child named Parakala Vangmayi.

Political Career Highlights

The year 2006 saw Nirmala Sitharaman join the Bharatiya Janata Party (or BJP) and four years later she went on to become the party's national spokesperson. Once this political party won the elections in 2014, she was appointed as a junior minister in the prime minister's cabinet.

By June of the same year, she was elected as the Rajya Sabha MP for Andhra Pradesh.

Fast forward two years, she contested and ultimately won the Karnataka chair in the Rajya Sabha elections.

September 3, 2017, saw her appointed as the country's second female to hold the position of Minister of Defense. While Indira Gandhi was the first female to ever hold this post, Nirmala Sitharaman was the first to ever hold it on a full-time basis.

Nirmala Sitharaman's positions of power didn't stop here though. May 31, 2019, saw her join the office as the minister of finance and corporate affairs and she went on to become the country's first female finance minister. Her maiden budget was proposed on July 5 of the same year to the parliament.

Nirmala Tackles the Covid-19 Pandemic

Once the coronavirus pandemic began, Nirmala Sitharaman became the person in charge of the COVID-19 Economic Response Task Force. She was responsible for unveiling the Atma Nirbhar Bharat Abhiyan which was an INR 20 lakh crore relief package aimed at tackling the adverse impacts the health crisis created. This package included other packages previously announced by the Government of India and the Reserve Bank of India. It was created in order to make the country self-reliant and sought to encourage Indian citizens to purchase local products. Aimed at driving the Indian economy forward, this package is still relevant as the virus's variants continue to be problematic.

Life before Entering Politics

Prior to entering the realm of politics, Nirmala Sitharaman worked at a home décor store in London called Habitat. She also worked as an assistant to an economist who was part of the Agricultural Engineers Association in the United Kingdom. Her career prior to entering the world of politics is worth noting as she

previously worked as a senior manager under PricewaterhouseCoopers and also held a position at the BBC World Service. She has also been a member of the National Commission of Women from 2003 to 2005.

Accolades and Recognition

In 2019 Jawaharlal Nehru University awarded Nirmala Sitharaman with the Distinguished Alumni award. 2019 also happened to see her ranked as the 34th most powerful woman in the world, an accolade given to her by Forbes Magazine.

Wrapping Up

All in all, Nirmala Sitharaman has led a fairly prolific life and continues to be an inspiration to young people across the country. Her political success and economic savvy have allowed her to gain positions of power which in turn have enabled her to make decisions aimed at improving the country.

Other less Known Facts

She is the first full-fledged Women Finance Minister of India.

In 2019, she was ranked 34th in Forbes' list of Most Powerful Women in the World.

In the same year, Nirmala Sitharaman broke away from long-standing traditions of holding colonial briefcase and opted for a red cloth bag or bahi katha to carry the Union Budget papers that shows the departure from westernization and promotion for indigenous material. She constituted a new committee, 'Naari tu Narayani,' to ensure maximum allocation of funds for women's welfare during budget presentation 2019.

She set up a task force headed by the Economic Affairs Secretary to prepare a roadmap for the "national infrastructure pipeline" which was unveiled recently, in accordance with the government's vision to make India a \$5 trillion economy by 2024-25.

As a Defence Minister, she was significant in establishing industrial defence corridors in Uttar Pradesh and Tamil Nadu, and other initiatives.



TRENDING

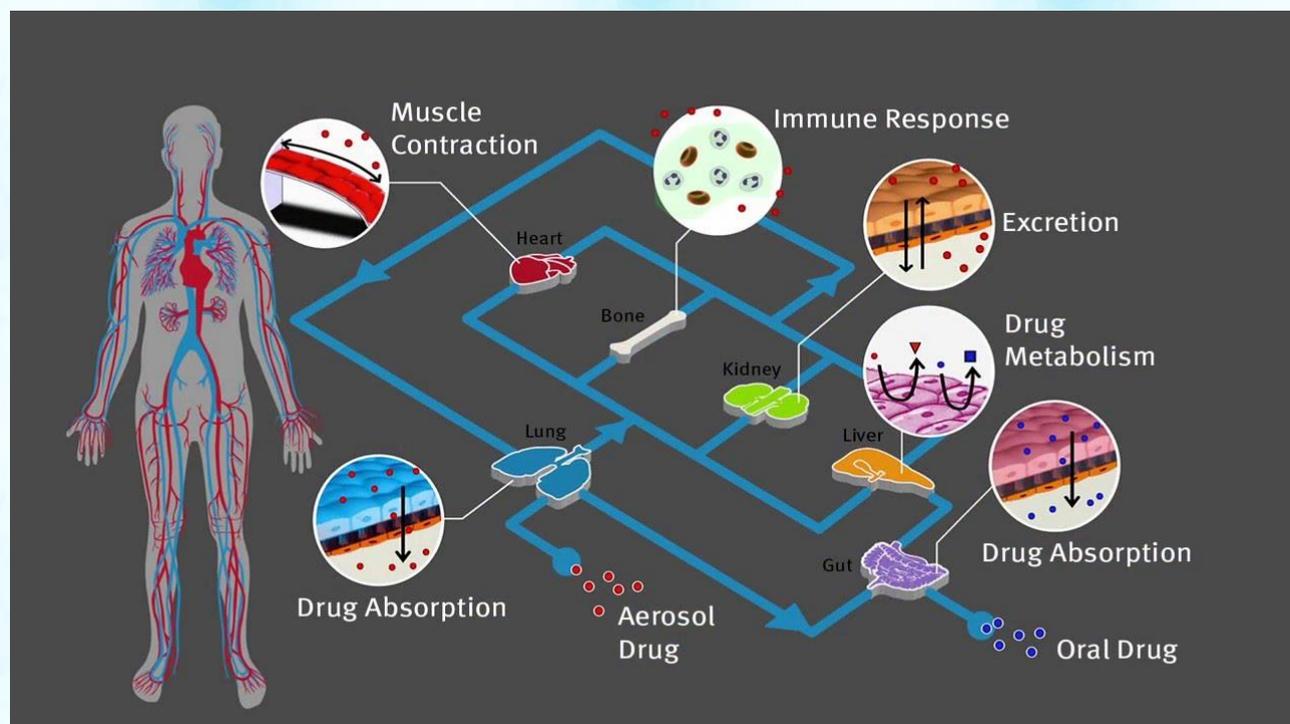
The Coming of Age of Organ-on-a-Chip*A chip that mimics human organs***What will be the impact of these 3D systems on drug development, and will it help companies pick up the pace?**

In a perfect world, making a safe and effective drug should be as easy as, well, baking a batch of chocolate chip cookies. In truth, of the millions of molecules tested and thousands produced, most fail to progress in preclinical or clinical settings.

It's also costly. Drug development is a complicated, high-risk process that takes over 10–15 years with an average cost of over \$1–2 billion for each new drug to be approved for clinical use. Nine out of 10 drug candidates that manage to reach human trials fail to be approved.

One key barrier is the translatability of the animal models used to determine if a compound is effective and safe enough to move into the clinic. Many times they fail to predict the human response because, let's face it, their bodies and biological processes are not identical to humans. While animal studies are still highly valued and required by regulators before a drug can move into the clinic, alternative methods are being explored.

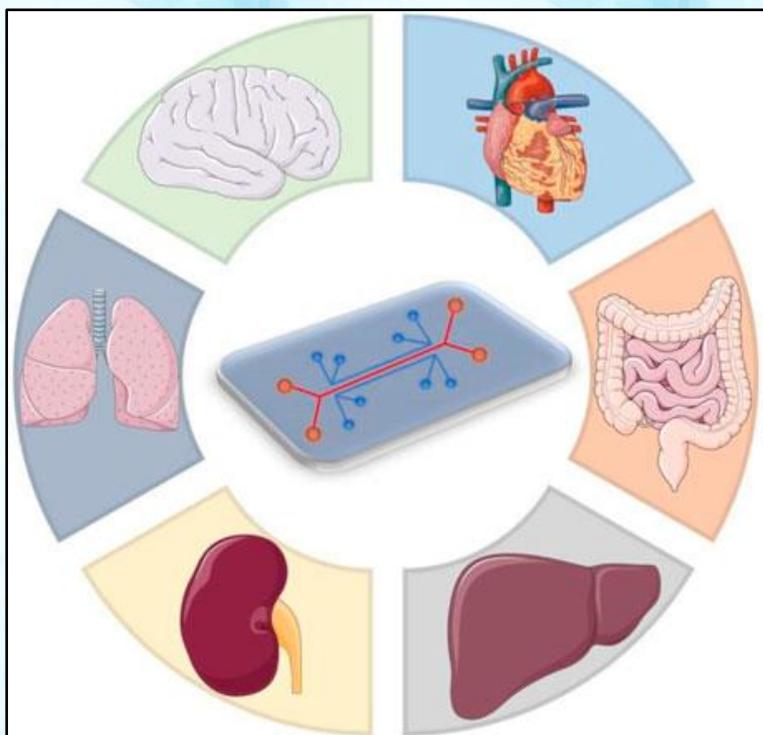
One compelling avenue that is coming into its own is the use of three-dimensional (3D) in vitro models such as



organ-on-a-chip-platforms. Organ-on-a-chip technology allows researchers to replicate the function of tissues

and organs, bridging the gap between animals and human systems. In drug development, it's seen as an exciting in vitro alternative to assess not only the safety but efficacy of drugs.

How Does Organ-on-a-Chip Technology Work?

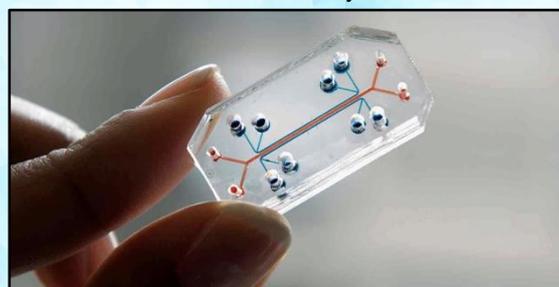


Organ-on-a-chip technology, also referred to as tissue chips, contain engineered or natural miniature tissues derived from various organs that are grown inside miniaturized fluid channels molded into glass, silicon, or polymer. The hair-fine microchannels guide and manipulate minute volumes of solution to create the environments that recapitulate one or more tissue-specific functions. Though simpler than human organs or tissues, they are effective mimics of human physiology and disease.

“The basic premise of an organ-on-a-chip is to recreate the cellular micro-environment,” says Lorna Ewart, Chief Scientific Officer of Emulate, a Boston, MA life sciences company that has developed a range of validated organ-on-a-chip models. “If we do that correctly, the cells

that we use find what we call a ‘home away from home’. In other words, their functionality is similar to what they would be doing if they were still inside the body.”

Research on organ-on-a-chip technology has grown exponentially with dramatic advances in the sophistication of biology and engineering, in the demonstration of physiological relevance, and in the range of applications. There are working models for a whole range of organs, including the liver, lung, kidney, skin and even the female reproductive system. The Wyss Institute, for instance, reconstituted the critical functional alveolar-capillary interface of the human lung more than a decade ago. Along with the lung the Wyss Institute has since engineered more than 15 microchips that recapitulate the microarchitecture and functions of human intestines, kidneys, skin, bone marrow, and the blood-brain barrier. Megan McCain, a researcher at the University of Southern California, focuses her organ-on-a-chip research on cardiac and skeletal tissue, building on work she did at Harvard where she engineered a microscale, functional mimic of human cardiac tissues. And Dan Huh, a University of Pennsylvania researcher, engineered a placenta-on-a-chip to investigate the role of inflammation in pregnancy complications.

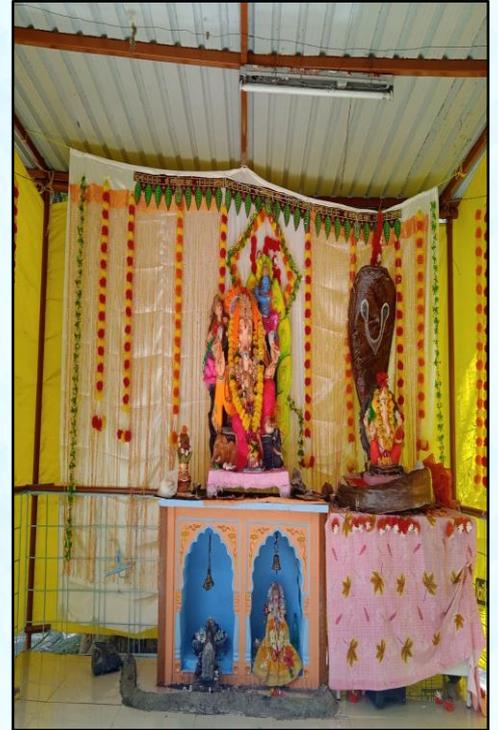


Despite advances in organ-on-a-chip technology, drug developers have not demanded they be incorporated into efficacy and safety studies of their compounds. Part of this is due to the dearth of performance validations of these organ-on-a-chip technologies that could potentially convince drug companies and Contract Research Organizations of their reliability.

- Regina Kelder, Eureka, Charles River Laboratory



Dahi Handi celebration at girls hostel



Ganpati celebration at girls hostel

