



Prof. Uday Annapure
New Director, ICT Jalna



Streamlining minds

मागजल

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Academic Year 2020-21



Prof. Smita Lele
Director, ICT Jalna

MARJ Newsletter



▲ Handing Over Ceremony at Jalna Campus

▼ Dasara Celebration

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Editor: Dr. Kapil Sagrolkar

Glimpses of Handing Over Ceremony

Handing Over Ceremony (with TARAs)



Handing Over Ceremony (Support staff with both the Directors)



▲ Dasara Celebration



Affectionate Message from MARJ Director



MARJ is the only campus of ICT where weekly online meetings of faculty members are conducted since the lockdown.

This gave us an excellent opportunity to talk and meet virtually to take collective decisions.



Dear students, faculty, parents, alumni and well-wishers,

It gives me immense pleasure of fulfillment as I pen down this last message as Director for the Newsletter of ICT Jalna Campus. I am glad to say that I have been appointed as Emeritus Professor at ICT and express my gratitude to the Board of Governors and Vice Chancellor for giving me opportunity to continue to serve ICT.

It has been only 2 years and a few months, since the campus was academically inaugurated in August 2018 at the hands of our beloved *Mahaguru* Padmavibhushan Prof. M. M. Sharma. Many who attended the program still remember the amazing lecture delivered by him depicting 200 years of global history and growth of chemical industry and chemical engineering. Through 87 years UDCT/UICT/ICT has developed research culture, industry collaborations and academic excellence. Innovation has been the strength of ICT mindset. I am glad to say that as a leader I was able to sow the seeds of this unique culture blending academics with research, working on national problems with relevance to the society and industry on the new campus, fondly referred to as MARJ. In the very first year, there were only 6 faculty members and 60 i-M. Tech students. We worked passionately for all 365 days, 24x7 to nurture ICT culture. I must put it up on record that both students and teachers were so enthusiastic that even on Sundays several classes were conducted. Now the MARJ family has grown to a sustainable size - a dozen faculty members, over 25 research fellows (called as TARA - teaching assistant and research scholars) and a handful of support staff. The third batch of i-M. Tech is being admitted, and 3 programs of two-year Masters (Food, Phrama, Polymer) have also been started recently. The student number is touching 300 and a few contract faculties will be joining soon.

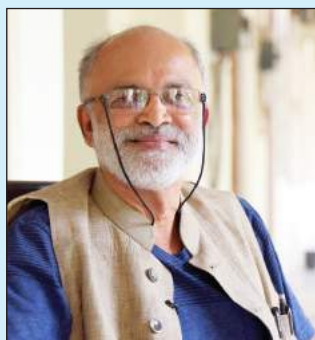
The world is facing pandemic situation due to COVID-19 spread and India was under lockdown since March 2020 for pretty long period. April onwards MARJ campus started all the activities online. Even now the situation is not back to normal, students are still at home attending online classes. I am

proud to state that in spite of this situation, our faculty members have maintained the vibrant academic research spirit which is evident from the measurable performance indices. In this period of 9 months, we have published 21 research papers, received 2 more patent grants, and 2 research projects. In addition, 7 pep-talks were organized and 2 counseling sessions conducted. Online mode made it easy to conduct seminars. Dr. Girish Joshi organized a seminar on Waste Management with TEQIP-III support. A very big event NanoSA was organized last month. This was international seminar on sustainable nano-materials and Dr. Manoj Gawande did a wonderful job. Students have also organized several recreational activities. Home IPT projects with industry participation were successfully conducted - thanks to Shri Lahoti - the Associate Dean Industry, who has been doing a great job. MARJ is the only campus of ICT where weekly online meetings of faculty members are conducted since the lockdown. Dr. Manoj Jadhao has been arranging and also making minutes of these meetings which are chaired by me as the Director. This gave an excellent opportunity for all of us to talk to each other, see on screen and meet virtually, solve all the problems quickly and take collective decisions. Occasionally, there were meetings with support staff, students and doctoral fellows to motivate, reduce their anxiety and guide them during this difficult situation of CORONA. Dr. Kapil has been very sincere in editing the Newsletter and Dr. Mondal is responding to AICTE queries and directives that are relevant to MARJ. This message will remain incomplete without mentioning extraordinary contribution of Dr. Parag Nemade, deputy director, in smooth running of the MARJ campus in online mode. Of course, all support staff and students are always there to do whatever is needed for execution of every single activity.

I take this opportunity to wish all of you a very happy, prosperous and exciting New year and I also welcome the new Director Prof. Uday Annapure.

Prof. Smita Lele
Director

A Heart Touching Word from the Vice Chancellor



I would like to record my sincere thanks and appreciation to Professor Dr. Smita S. Lele for her stellar performance since the beginning and would like to welcome Professor Uday S. Annapure, who has agreed to step into her shoes.



Dear ICT MARJ family,

Thank you for giving me an opportunity to say a few words on the eve of the superannuation of Professor Smita S. Lele, your beloved director and the path –breaker.

In spite of the difficult period, I am delighted to see the performance of ICT- MARJ Campus and all the credit goes to you all and your leader. In the coming months, you all will have new additions to your family in the form of new faculty strengthening the technical skill and competence in the area of food technology, pharmaceutical technology and polymer technology. This will result into a quantum increase in the output from ICT – MARJ. The signs of the research initiatives and leads are evident from Dr. Gawande getting recognized in top 2% of the world scientists and Dr. Somen managing to publish a paper in JACS. Compliments to both and I am sure, this will motivate others to follow in their foot- steps.

You have been very effectively utilising the on-line resources to continue the academic activities, may it be course assignments or examinations. You have really shown a way to others. As I declared during the charge handing over ceremony, by the time this issue of MARGJAL get published, you will have 100 MBPS dedicated internet connectivity to continue your outstanding efforts with more vigour. All the other outreach activities such as conferences, workshops are continuing in a normal mode, showing the world, how a strong leadership and a committed faculty can effectively handle the pandemic. We must thank the internship co-ordinator Shri Lahoti for his initiative and placing all the students in academic internship and what I know of, it has gone very well and students are very happy to have obtained such an opportunity to work with established faculty and learn.

Before I log-out, I would like to record my sincere thanks and appreciation to Professor Dr. Smita S. Lele for her stellar performance since the beginning and would like to welcome Professor Uday S. Annapure, who has agreed to step into her shoes. With the starting of 3 new, two year M. Tech. programmes this year, work has already been cut-out for him. I am really happy that Professor Lele will continue as a Professor Emeritus and will be available to guide Professor Annapure.

I am expecting this continued performance from ICT- MARJ and the same commitment from you all. Please feel free to offer your suggestions and feed-back and do accommodate and assist the new faculty in the family

Wishing you all the very best for your future path and let us all put ICT-MARJ on a higher pedestal.

Prof. Aniruddha B Pandit

Vice Chancellor, Institute of Chemical Technology



Handing Over Ceremony A Bittersweet Memory to Relish

“A bittersweet thing or memory to relish!” is what Deputy Director of ICT MARJ Dr. Parag Nemade articulated about this ceremony which is proven true. Bitter because our beloved and esteemed director Prof. Smita Lele would be superannuating and sweet because Prof. Uday Annapure would be taking the charge and who would surely take the institute to the new heights. To relish this memory 19th December 2020 was the day we all gathered physically or virtually at ICT MARJ Campus to witness the Handing Over Ceremony of its Director.

Present Director of ICT MARJ Prof. Smita S. Lele was to be superannuated on 31st December 2020 after her noteworthy work as founder director of ICT Marathwada Campus Jalna. Prof. Uday S. Annapure would embark upon this adventurous role of ICT MARJ Director from 1st January 2021 onwards.

ICT (Mumbai) Vice Chancellor Prof. A. B. Pandit graced the occasion physically and the chief guest Padma Bhushan Prof. J. B. Joshi graced it virtually. Dean Academic Program Prof. S. S. Bhagwat, ICT Registrar Prof. R. R. Deshmukh, UAA President Mr. Dilip Udas, and other dignitaries graced the occasion virtually. Apart from them, Mr. Suresh

G. Agarwal, Chairman of Beej Sheetal and Mr. Ashish Mantri, ICT alumnus, and Sunil Raythatha, Member Advisory committee Jalna city also graced the occasion physically.

Deputy Director of ICT MARJ Dr. Parag Nemade delivered welcome address, and directed and channelised the ceremony by saying this moment as “bittersweet thing”.

In his inaugural address Prof. Pandit reckoned that in her (Prof. Lele’s) leadership, she should be credited for establishing the systems in ICT Jalna because the task is always extremely difficult. He also expected the Director Designate (Prof. Annapure) to



consolidate those systems. He also declared that Prof. Lele would continue as “Emeritus Professor” and stay at ICT Jalna at least for next two years. Hence, she is our first Emeritus Professor per say. He wished and which will be proven true in future that someday ICT Jalna would teach ICT Mumbai one or two different and distinct things and ICT Mumbai will be happy to learn from its younger sister too. Towards the end, he formally welcomed Prof. Uday Annapure, the Director Designate, to take the charge of a spectacular innings as ICT Jalna Director from 01 January 2021.

Prof. Smita Lele’s speech contemplated on her journey of over five decades at ICT (formerly UDCT) as student-teacher-researcher-administrator-leader. She expressed gratitude towards the almighty for giving her these many responsibilities alongside the gurus and mentors- Prof. R. A. Mashelkar, Prof. M. M. Sharma, Prof. G. D. Yadav, and Prof. J. B. Joshi for mentoring her to be able to carry these roles and responsibilities with ease. Later on, she expressed herself in a nutshell with the persona of Saraswati, Anna Purna, Lakshmi, Durga, etc. Thereafter, she took us all through her Two and Half Years leadership at ICT MARJ: Foundation Day; Vision and Mission; Administration; Academics; Research and Innovation; Outreach activity; Human Resource; Infrastructure; MoUs (national and International); curricular, co-curricular and extra-curricular, etc. before and during the lockdown too. She also mentioned about ICT MARJ newsletter-MARGJAL: Streamlining Minds. She concluded her short speech by thanking Prof. Pandit for bestowing her with the Professor Emeritus at ICT MARJ for two years. She also thanked entire ICT-UDCT fraternity. She also congratulated Director Designate Prof. Annapure and wished him best luck.

Afterwards ‘Transfer of Charge’ took place. Prof. Smita Lele and her husband, Mr. Satish Lele, were honoured in tradition way (presenting them with shawl and shrifal) by Prof. Pandit. The Vice Chancellor also presented Prof. Smita Lele a memento for her selfless work as Registrar of ICT Mumbai and Director of

ICT Jalna. He also offered Shawl and Shrifal to the Director Designate Prof. Uday Annapure and his wife.

Prof. Uday Annapure, the Director Designate, accepted the charge wholeheartedly. The acceptance speech by him reverberated his pleasure to accept the new role, gravity of dutifulness, seriousness and the

sense of belongingness and paying back to the land (Marathwada) he was born and brought up. At the outset he thanked ICT Vice Chancellor and the Board of Governors for entrusting him to lead ICT Jalna, and also for providing him an opportunity to do something noteworthy for the welfare of the Marathwada region towards which he has special inclination. He showed gratitude towards Prof. Lele for taking the charge from her to which he calls as a teacher handing over the charge to her student. He assured that the culture and ambience ICT Jalna has developed over two and half years

under the leadership of Prof. Lele will be continued and taken to the new heights, new developments and new avenues by him.

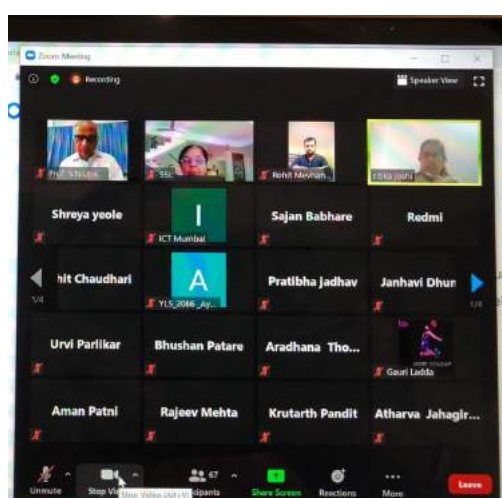
Prof. Annapure’s acceptance speech is followed by the advisory speech by Padma Bhushan Prof. J. B. Joshi. He complimented Prof. Smita Lele for “planting a seed which has properties in such a way that the fruits will be the same as those at main (ICT Mumbai) campus”. He also praised her for providing right initial conditions (mathematical formula) to get better or correct answer. At the same time, he believed that “the next curve (the leadership of Prof. Annapure at ICT Jalna) will be the way in which we want it to be”. He conferred his best wishes to Prof. Annapure and trusted that he would use all his strength for taking the cause of ICT further at Jalna. Mr. Suresh Agarwal and Mr. Ashish Mantri on behalf of local industries from around the Jalna-Aurangabad region felicitated both the directors Prof. Lele and Prof. Annapure. Dr. Parag proposed vote of thanks and Dr. Ritika Joshi, who was the comparer of the ceremony, urged everyone present there to enjoy the high tea.

Prof. Pandit reckoned that in her (Prof. Lele's) leadership, she should be credited for establishing the systems in ICT Jalna because the task is always extremely difficult. He also expected the Director Designate (Prof. Annapure) to consolidate those systems. He also declared that Prof. Lele would continue as “Emeritus Professor” and stay at ICT Jalna at least for next two years.

Academic Venture

National workshop on Environment, Energy and Material Waste

First TEQIP sponsored one-day virtual national workshop on Environment, Energy and Material Waste was organised on 4th November 2020. The workshop commenced with Prof. S.N. Upadhyay's, IIT BHU, session on "Biomass as Source of



Energy and Chemicals". It dealt with the way Biomass can be used as a source of energy and chemical techniques and complete the cycle of materials processing to waste management. The second session was engaged by Dr. Rajeev Mehta from Thapar University, Patiala on the topic "Plastics Waste and its Management". He discussed the need and the complete basic aspects in this domain for real life impact. ICT MARJ Director (who is also the convener of the program) Prof. Smita Lele, coordinator of the program Prof. Girish Joshi, and the program anchor Dr. Ritika Joshi, MARJ IT cell and TARA took efforts for successful completion of the program. For reference presentation ppt is displayed on MARJ web portal.

NANO-SA 2020: A Two-Day International Conference on Nanomaterials and Sustainable Applications

- 12 eminent Speakers from around the world
- Over 900 participants from more than 20 countries
- Graduates, Research Scholars, Faculty, and Industrial Researchers from various industries were the prominent participants



During this COVID -19 pandemic situation virtual conferences are booster dose of energy and knowledge. As a part of the virtual events, the First International Conference on "NanoMaterials and Sustainable Applications" (NANO-SA-2020) was organized by the Institute of Chemical Technology, Mumbai-Marathwada Campus, Jalna, India by virtual mode (Zoom webinar) on 2nd and 3rd December 2020. NANO-SA-2020 was inaugurated by Prof. Aniruddha B. Pandit (Vice-Chancellor, ICT, Mumbai) and Prof. Smita Lele (Director, ICT-MARJ). The conference was contributed twelve incredible talks on newly designed advanced nanomaterials and sustainable applications. It commenced with an inaugural lecture of Padmashri Prof. G. D. Yadav. He started his talk with the necessity of chemicals in human life for a green and sustainable future and elaborated on global primary energy requirements, hydrogen economy, and hydrogen as a future energy source along with the importance of biomass as a renewable energy feedstock. According to him, "the beauty of chemistry and chemical engineering is lying in-between them and it can manipulate the matter at the molecular level, for that our nanotechnology comes into play". He also expressed his views about ICT-MARJ and



its journey that started a few years back. After this incredible talk other eminent personalities around the world namely, Prof. Abhishek Dey, Prof. Vivek Polshettiwar, Dr. Jagadeesh Rajenahally, Prof. Paolo Fornasiero, Dr. Haresh Manyar, Prof. Tewodros Asefa, Prof. R. V. Jayaram, Dr. Rajendra Srivastava, Prof. Parasuraman Selvam, Dr. E. Balaraman, and Prof. B. M. Bhanage too shared their views in the field of nanocatalysis for sustainability.

Dr. Manoj Gawande, Associate Professor, ICT-MARJ and convenor of NANO-SA 2020, highlighted the importance of this conference and mentioned that “this conference provided a platform for researchers from across the world to communicate and share the latest developments and applications of nanomaterials in the developing and ever-expanding fields like energy conversion, organic transformations, carbon capture, storage, and conversion, environmental remediation and sustainable applications.” He also said that this conference has a very unique theme of nanomaterials for the sustainable applications that provides new avenues for the researcher to design and development of nanomaterials for a sustainable future.

ICT-MARJ Director Prof. Smita Lele mentioned that because of COVID now everything has changed, there is new normal for our life. As an integral part of this, we organized a virtual conference on nano and sustainability, two very important topics. She also shared some glimpses of the two years’ journey of ICT-MARJ campus where she highlighted its important achievements.

ICT Vice Chancellor Prof. A. B. Pandit provided a bird’s-eye view while describing the journey of ICT right from its inception to its position in overall world ranking in chemical science and technology today. Furthermore, he addressed the orientation and objectives of the conference. He further said that the area of nanoscience, nanotechnology, and biotechnology has covered our world tremendously so there will be new technology that needs to be developed for

a sustainable future. Every subject can be looked upon the sustainability of that subject itself and we need to teach sustainable viewpoint to our students so only that time sustainability comes into the picture. “Sustainability” as a holistic approach needs to be considered while designing and developing any kind of nanomaterials, along with its safety aspects.

This conference was international and covered very frontier topics of nanotechnology such as synthesis and applications of nanomaterials in catalysis, CO₂ capture, and conversion, electrocatalysis, nanocatalyzed organic transformation which was very useful for upcoming researchers

The NANO-SA-2020 ended with a valedictory ceremony graced by a distinguished ICT faculty, Prof. B. M. Bhanage, Professor and Dean (Infrastructure and Campus Development), ICT Mumbai. In the valediction Prof. Smita Lele mentioned that scientists/speakers spend decades in research so they need adequate time to explain their research findings and, in this event, they get flexible time for explaining their research. Participants also

get ample time to interact with speakers which is one of the good things. We need to develop more sustainable materials for the future to combat the problems raised due to diminishing fossil fuels and food security creating due to increasing population. Also, in line with the first-day address, she mentioned the dream and vision of ICT-MARJ along with the guiding principle. She also highlighted the unique pattern of ICT-MARJ academics and invited the audience to collaborate with ICT-MARJ for the interchange of ideas towards the pursuit of innovation and progress.

This conference was truly international by choice of speakers and covered very frontier topics of nanotechnology such as synthesis and applications of nanomaterials in catalysis, CO₂ capture, and conversion, electrocatalysis, nanocatalyzed organic transformation which was very useful for upcoming researchers said by Prof. Bhanage. Dr. Girish Joshi and Dr. Parag Nemade summarised the conference proceeding. Finally, the vote of thanks given by Dr. Manoj Jadhao. Dr. Ritika Joshi was the comparer of this event.



Two Year M. Tech. Program in Pharma, Food and Polymer

This year we started master's program at ICT MARJ in the streams- Pharma, Food and Polymer. In each stream 18 students are admitted. We welcome them to become a part of MARJ fraternity.

Induction Program

Induction program (online) for newly admitted Two Year M. Tech. Students of Pharma, Polymer and Food was conducted on two different dates with two different formats and styles. Firstly, it was conducted on 7th Dec 2020. The intention was to introduce them to the ICT legacy in general and MARJ campus and its culture in particular. The Director Prof. Smita Lele welcomed all the new entrants and gave an overview of Institute of Chemical Technology. She started with its history, global acknowledgment, stalwarts, present ranking, Category I status and the establishment of two more campuses (at Jalna and Bhubneshwar). Then she deliberated on the establishment and the progress of ICT MARJ campus. Later on, all the faculty members gave their introduction along with their research interests and subject expertise. Dr. Kapil Sagrolkar conducted a session on Universal Human Values. Dr. Manoj Jadhao was the comparer of the program.

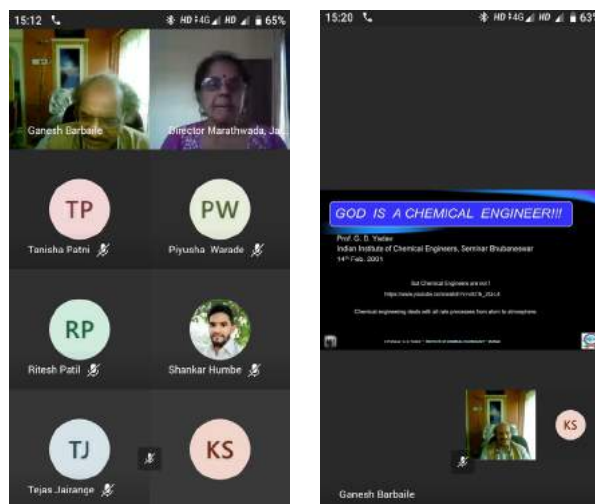


Induction for the same students was conducted on 29th Dec 2020 as well where the format was that the students would introduce themselves; Prof. Lele, Prof. S. T. Mhaske, Prof. V. B. Patravale to take a 30 minutes session each and introduce the students to the core subjects, research opportunities and the like. The program was anchored by Dr. Ritika Joshi. The speakers were introduced by Dr. Girish Joshi, Dr. Manoj Jadhao and Dr. R. Joshi. Dr. Sandip Bhairat proposed vote of thanks and concluded the program.

E-Pep Talk

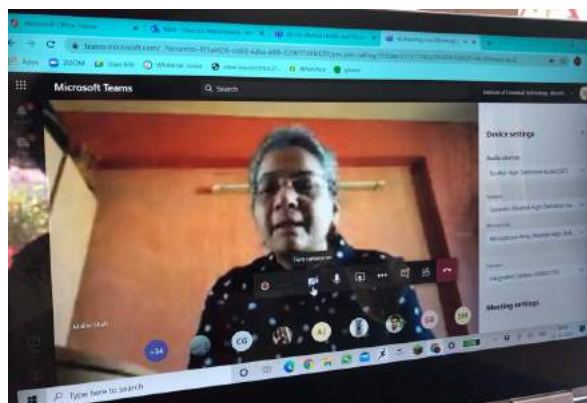
1. Chemical Engineering 4.0 : God's Profession Expanded by Prof G D Yadav

The ever-enthusiastic Prof. G. D. Yadav, upon request, immediately okayed to deliver an e-pep talk on his birthday (14th September).



The title of his talk was “Chemical Engineering 4.0: God’s Profession Expanded.” The talk started with the deliberation on the “Trinity: Change, Challenge and Opportunity”. This talk was the extension of his claim “God is a Chemical Engineer.” He recapitulated chemical engineering up to 3.0 and then furthered to speak on the 4.0.

2. Special Efforts for the Mental Health of Students: In-House Counselling Sessions by ICT Counsellor Ms. Malini Shah



ICT Counsellor Miss. Malini Shah conducted two online in-house counselling sessions on the topic “Reinvent and Reboot” (on 19th



September 2020) and on “Mental Health and Fitness” (on 24th December 2020). The first session included discussion on human values, a couple fables, meditation activity, different quotients like emotional, spiritual, tolerance, intelligence, etc. The second session initiated with learning adaptability and moving on and, how to deal with day-to-day life. This session



included mind relaxing exercises, quizzes, meditation technique, youtube videos and the like. Both the sessions greatly helped the Jalna campus fraternity especially the students who could get “motivated” or “reinvented and rebooted” through mental health and fitness technique.

3. Bio-Mimicry: Learning from Nature for New Product Development

Dr. Sanjay Lakade, Dean R & D, PCCOE, Pune, delivered an e-pep talk on the topic “Bio-Mimicry: Learning from Nature for New Product Development” on 10 October 2020. The session included various videos and real life examples and experiences: the

examples such as hydrophobic surfaces lotus flower leaves, fish skin, bear, penguin, etc. The talk showed a way to look at the nature and learn from it something new. It explored new roots of biomimicry thinking for various engineering applications.

Weekly Online Faculty Meet

This is second consecutive trimester in the pandemic. Many schools, colleges and universities are still reluctant to open for various academic activities. ICT MARJ has successfully executed previous trimester and still doing well in the current trimester. Whether it is online classes, virtual labs, IPT or workshop and conference, we are doing great; thanks to periodic online faculty meeting throughout the year. So far, we have conducted over 30 online faculty meetings and all are well documented in the form of the minutes of the meeting. The various decision related to the e-examination, infrastructure, installation of new equipment have been taken during online meetings. This pandemic surely slowed down the space of work but it could not stop the progress of the work at ICT Jalna. In last trimester several new research instruments have arrived and been installed too. All the infrastructural requirements needed for the installation of various instruments were discussed during the online meeting only. During this period, the institute also organized one online workshop and an international conference. The format and planning for the international conference were discussed in online meeting and it was perfectly executed. This regular faculty meeting has not only channelized the continuous and steady progress of the institute but also helped all ICT MARJ team members to stay connected and relevant during these tough times. We have also conducted online meet for both the batches of i-M. Tech students and TARAs separately.

Dr. Manoj Jadhao, Member Secretary Jalna Campus took all the efforts to conduct the online faculty meet every week. He has also maintained the Minutes of each Meet.



IPT-3 Home Project for 2018 Batch of i-M. Tech Students

i-M. Tech students of 2018 Batch were given projects during September-December 2020. The nature of project was that two students were given

one project under the supervision of one Faculty or one industry person. The list is-

Sr	Proj No.	Roll No.	Student	Project Titles	Faculty (Dr)/ Industry Guide
1	1	J18IMT645	Ameya Mantri	Agricultural waste to bio-methane: Technical and economical evaluation of decentralized automotive fuel distribution system	Atul H Bari
2	1	J18IMT628	Ali Asger	Agricultural waste to bio-methane: Technical and economical evaluation of decentralized automotive fuel distribution system	Atul H Bari
3	2	J18IMT606	Hiteshree Sarode	Manufacturing of value added chemicals from cashew nut shell liquid	Atul H Bari
4	2	J18IMT614	Aman Patni	Manufacturing of value added chemicals from cashew nut shell liquid	Atul H Bari
5	3	J18IMT641	Manthan Dixit	Recycling of used lubricating oil using solvent extraction	Atul H Bari
6	3	J18IMT655	Lekharaj Mahajan	Recycling of used lubricating oil using solvent extraction	Atul H Bari
7	4	J18IMT635	Vishwas Erulkar	Non edible vegetable oil based bio-lubricants for automotive applications	Atul H Bari
8	4	J18IMT658	Harshal Bhausahab Kavhale	Non edible vegetable oil based bio-lubricants for automotive applications	Atul H Bari
9	5	J18IMT617	Vedant Joshi	Deep Eutectic Solvent and Ionic Liquid Assisted Enhanced Oil Recovery Process	Debashish Kundu
10	5	J18IMT626	Aman Tamboli	Deep Eutectic Solvent and Ionic Liquid Assisted Enhanced Oil Recovery Process	Debashish Kundu
11	6	J18IMT621	Piyush Rahul Dhage	Deep Eutectic Solvent Promoted Gas Hydrate Inhibition: Thermodynamics and Kinetics Study	Debashish Kundu
12	7	J18IMT656	Gargi Patil	New polymer blends for food packaging applications	G M Joshi
13	8	J18IMT629	Atharva Jahagirdar	Utilisation of plastic waste generated in plastic films and laminates manufacturing units	G M Joshi



Sr	Proj No.	Roll No.	Student	Project Titles	Faculty (Dr)/ Industry Guide
14	8	J18IMT619	Vedant Kulkarni	Utilisation of plastic waste generated in plastic films and laminates manufacturing units	G M Joshi
15	9	J18IMT652	S Vishnu Pradeep	3D printing techniques for Plastic industry manufacturing	G M Joshi
16	9	J18IMT618	Pratap Gurav	3D printing techniques for Plastic industry manufacturing	G M Joshi
17	10	J18IMT644	Smith Patil	New polymer blends for food packaging applications	G M Joshi
18	11	J18IMT630	Karan Sharma	Converting waste plastic into Poly Fuel.	G M Joshi
19	11	J18IMT627	Utkarsh Patodi	Converting waste plastic into Poly Fuel.	G M Joshi
20	12	J18IMT643	Urvi Parlikar	Fabrication and characterization of folate-targetted PEG coated As ₂ O ₃ nanoparticles for cancer therapy	Joyita Sarkar
21	12	J18IMT640	Rohit Chaudhari	Fabrication and characterization of folate-targetted PEG coated As ₂ O ₃ nanoparticles for cancer therapy	Joyita Sarkar
22	13	J18IMT602	Ashutosh Darak	Development of process for the pellet production as animal nutrition with improve sensory and nutritional properties-Mr Prasad Belokar R&D Dept., Abhay Nutrition	Joyita Sarkar / Abhay Nutrition -Prasad Belokar M 95037 92141
23	13	J18IMT637	Rohan Wankhede	Development of process for the pellet production as animal nutrition with improve sensory and nutritional properties-Mr Prasad Belokar R&D Dept., Abhay Nutrition	Joyita Sarkar / Abhay Nutrition -Prasad Belokar M 95037 92141
24	14	J18IMT649	Sachin Adhe	Spectroscopic Investigation of Proteins	M Jadhao
25	15	J18IMT607	Adarsh Vinod Chhabda	Development of extraction and HPLC method for different phytochemicals present in Pimpinella Heyneana	M Jadhao
26	15	Provisional Allotment (Subject to pass result.)	Yogesh Mhetre	Development of extraction and HPLC method for different phytochemicals present in Pimpinella Heyneana	M Jadhao



Sr	Proj No.	Roll No.	Student	Project Titles	Faculty (Dr)/ Industry Guide
27	16	J18IMT613	Janhavi Dhumal	Use of poultry bird feathers for production of value added protein Keratin which is used in cosmetic and personal care industry-Mr Ashish Mantri / Abhay Nutrition	M Jadhao/ Abhay Nutrition Prasad Belokar M 95037 92141 / Mr Ashish Mantri sir
28	17	Provisional Allotment. (Subject to pass result.)	Shrenik Bakada	Research on Glutathione based organic / herbal, glycolic facewash and creams.	M Jadhao / Ambika Cosmetics Vasai
29	17	J18IMT622	Prajwal Jadhav	Research on Glutathione based organic / herbal, glycolic facewash and creams.	M Jadhao / Ambika Cosmetics Vasai
30	18	J18IMT612	Abhishek Mote	CO ₂ Capture and in-situ Catalytic Transformation into Valuable Products	Manoj Gawande
31	18	J18IMT624	Bhumi Borade	CO ₂ Capture and in-situ Catalytic Transformation into Valuable Products	Manoj Gawande
32	19	J18IMT604	Farhan Shaikh	Investigation of Active Sites and Bulk Scale Synthesis of Methanol from Carbon Dioxide	Manoj Gawande
33	19	J18IMT601	Harsh Darji	Investigation of Active Sites and Bulk Scale Synthesis of Methanol from Carbon Dioxide	Manoj Gawande
34	20	J18IMT625	Krutarth Pandit	Developing a Smart system for Effluent/ Waste water Treatment Plant	P R Gogate ICT Mumbai
35	20	J18IMT608	Parth Khandagale	Developing a Smart system for Effluent / Waste water Treatment Plant	P R Gogate ICT Mumbai
36	21	J18IMT633	Harsha Kasliwal	Field Project (Municipal waste utilisation - To be finalised by Faculty after discussion)	Parag Nemade
37	21	J18IMT610	Aditya Bhalerao	Field Project (Municipal waste utilisation - To be finalised by Faculty after discussion)	Parag Nemade
38	22	J18IMT605	Aum Chaudhari	Development of process to synthesize remdesivir at kg scale-	Parag Nemade
39	22	J18IMT616	Ravinutala Shivani	Development of process to synthesize remdesivir at kg scale-	Parag Nemade
40	23	J18IMT642	Adwait Sawant	Waste management solutions for the dust and slag generated in Induction furnace steel plants. Recovery of metals from the generated waste	Parag Nemade/ Roopam Steels Jalna



Sr	Proj No.	Roll No.	Student	Project Titles	Faculty (Dr)/ Industry Guide
41	24	J18IMT646	Prasad Lakade	Process design of a versatile fermenter for altered feeds. (Industry Project Mr Sanjay Za, Envision Industries Nasik)	Prof S S Lele/ Atul Bari/ Envision Ind Nasik
42	24	J18IMT603	Bhavesh Dayma	Process design of a versatile fermenter for altered feeds.(Industry Project Mr Sanjay Za, Envision Industries Nasik)	Prof S S Lele/ Atul Bari / Envision Ind. Nasik
43	25	J18IMT650	Siddhant Unde	Food Processing/Preservation using Pulse Electric Technique (Industry Project Mr Aniket Mone, Sure View Instruments Mumbai)	Prof S S Lele/ Saurav Raj/ Sureview Instru- ments Mumbai
44	25	J18IMT647	Nikhil Pundlik Umale	Food Processing/Preservation using Pulse Electric Technique (Industry Project Mr Aniket Mone, Sure View Instruments Mumbai)	Prof S S Lele/ Saurav Raj/ Sureview Instru- ments Mumbai
45	26	J18IMT634	Sakshi Jatkar	Comparative analysis of heat pump dryer with conventional technologies for dehydration of food-(Industry Project Dr Sagar Gokhale, Ojman Industries Pune.	Prof S S Lele / Joyita Sarkar/ Ojman Ind Pune.
46	27	J18IMT609	Harshal Kasat	Sustainable technologies for reducing post harvest losses. (Industry Project Trilok Foods, Mr Garuang Kotnis)	S Bhairat / Trilok Foods
47	27	J18IMT638	Akshat Bedmutha	Sustainable technologies for reducing post harvest losses. (Industry Project Trilok Foods, Mr Garuang Kotnis)	S Bhairat / Trilok Foods
48	28	J18IMT615	Mrudav Raval	Developement of process for production the high protein milk and yogurt and product development-Mr Prasad Belokar R&D Dept., Abhay Nutrition	S Bhairat /Abhay Nutrition Prasad Belokar M 95037 92141
49	28	J18IMT639	Vaidehi Patil	Developement of process for production the high protein milk and yogurt and product development-Mr Prasad Belokar R&D Dept., Abhay Nutrition	S Bhairat/ Abhay Nutrition Prasad Belokar



Sr	Proj No.	Roll No.	Student	Project Titles	Faculty (Dr)/ Industry Guide
50	29	J18IMT653	Aniket Pinjari	Development of the formulation for hair nourishment (shampoo, conditioner, cream, lotion, hair serum or any other innovative products.)- Mr Prasad Belokar R&D Dept., Abhay Nutrition	Saurav Raj / Abhay Nutrition Prasad Belokar
51	29	J18IMT657	Kartik Ghate	Development of the formulation for hair nourishment (shampoo, conditioner, cream, lotion, hair serum or any other innovative products.)Mr Prasad Belokar R&D Dept., Abhay Nutrition	Saurav Raj / Abhay Nutrition Prasad Belokar
52	30	J18IMT631	Shreyash Deshmukh	Exploring the catalytic activity of biomass derived carbon dot using polluted water	Somen Mondal
53	30	J18IMT632	Ayush Deore	Exploring the catalytic activity of biomass derived carbon dot using polluted water	Somen Mondal
54	31	J18IMT623	Dhananjay Nagre	Development of highly proton conductive lipid-based biomaterials for optoelectronic device	Somen Mondal
55	31	J18IMT620	Raunak Dayma	Development of highly proton conductive lipid-based biomaterials for optoelectronic device	Somen Mondal

Grants and Projects

- Dr. Girish Joshi bagged an industry research project on the theme- “Coating of Biodegradable Polymers and Thermal Stability for Food Packaging Applications” from M/S Agrawal, group of companies, Nashik. Furthermore, this industry is keen to work with MARJ team for future commercial objectives.
- Dr. Somen Mondal received a grant from DST-SERB (Grant no. SRG/2020/000936)

for the project titled “Efficient Spin Polarised Capabilities and Ultrafast Carrier Dynamics of Chiral Quantum Dot Doped Biopolymer: Application towards the Spintronic Optoelectronic Devices”.

Publication

1. Dr. Girish Joshi

- Improved under damped oscillator properties of polymer blends for electronic applications.



Mech Time-Depend Mater, 2020, DOI: 10.1007/s11043-020-09478-6.

- Teflon derived Nanoblends for future automotive Industry, Modern India Plastic, 2020, 21, 09, Page 79. <https://www.readwhere.com/read/2857785/Modern-Plastics-India/Vol-21-|-Issue-09-|-October-2020-|-Mumbai#dual/82/1>

2. Dr. Manoj B. Gawande

- Mechanochemical synthesis of Cu₂S bonded 2D-sulfonated organic polymer: continuous production of dimethyl carbonate (DMC) via preheating of reactants, *Green Chemistry*, 2020, 22, 5619-5627. Selected as a “**Feature Cover**” and “**Editorial Choice Paper**”.
- Single-Atom Catalysts - A Sustainable Pathway for the Advanced Catalytic Applications, *Invited Manuscript Small*, 2020 DOI: 10.1002/sml.202006473.
- Mesoporous P- and F-co-doped Amorphous Carbon Nitride: Nanocatalysts for Photocatalytic CO₂ Reduction and Thermocatalytic Furanics Synthesis from Sugars, *ChemSusChem*, 2020, 13, 5231-5238 highlighted in **Chemistry Views**. This article also selected as a “Feature Cover” in the ChemSusChem journal.

3. Dr. Somen Mondal

- Enhanced Proton Conductivity across Protein Biopolymer Mediated by Doped Carbon Nanoparticles. *Small* 2020, 2005526, 1-7.

4. Dr. Joyita Sarkar

- Recent Advances in Biomaterial-Based High-Throughput Platforms, *Biotechnology Journal*, 2020, e2000288, DOI: 10.1002/biot.202000288.

5. Dr. Debashis Kundu

- Ionic liquid promoted extraction of bitumen from oil sand: A review, *Journal of Petroleum Science and Engineering*, 2020, DOI: 10.1016/j.petrol.2020.108232.
- Synthesis and characterization of xylan-gelatin cross-linked reusable hydrogel

for the adsorption of methylene blue, *Carbohydrate Polymers*, 2020, DOI: 10.1016/j.carbpol.2020.117520.

- Low to Room Temperature Dehydrogenation of Dimethylamine Borane Facilitated by Ionic Liquids: Molecular Modeling and Experimental Studies, *Energy & Fuels*, 2020, 34, 13167-13178, DOI: 10.1021/acs.energyfuels.0c01896.
- A-priori Prediction of Complex Liquid-Liquid-Liquid Equilibria in Organic Systems Using a Continuum Solvation Model, *Physical Chemistry Chemical Physics*, 2020, 22, 22023-22034, DOI: 10.1039/D0CP03225E.

6. Dr. Saurav Raj

- Weak bus-constrained PMU placement for complete observability of a connected power network considering voltage stability indices, Protection and Control of Modern Power Systems 5, 2020, no. 28, 5-28.
- Economic emission dispatch on unit commitment-based microgrid system considering wind and load uncertainty using hybrid MGWOSCACSA, *Journal of Electrical Systems and Information Technology* 7, 2020, no. 1, 1-26.
- Voltage Constrained Reactive Power Planning by Ameliorated HHO Technique, *Recent Advances in Power Systems*, 2020, 435-443. Springer, Singapore.
- Hybrid Intelligence Technique for Reactive Power Planning using FACTS devices, In 2020 International Conference on Emerging Frontiers in Electrical and Electronic Technologies (ICEFEET), pp. 1-6. IEEE, 2020.

Extension Activities

• Prof. Smita Lele

1. Participated at MCCIA (Marhatha Chamber of Commerce Industries and Agri) Pune and RGSTC Govt of Maharashtra meeting on “Tech Transfer”



2. Health-O-Spect invited Prof. Smita Lele as Keynote speaker for valedictory ceremony on 30 September 2020 for Online Knowledge Series “Nutri-Talk 2020”.
3. Delivered a talk at Nashik Lecture Series on the topic “Wholistic Approach for a healthy and happy life” on 11 October 2020.
4. Chaired a session during Vaibhav Summit, an initiative of the Govt. of India to start international collaboration among the Indian and overseas scientists. The session was on Food safety and Nutritional security: Fortification and Biomolecules on 13 October 2020.
5. Delivered a lecture (along with Prof. Anamiks Banerji and Prof. Laxmi Ananthanarayan) on the book **The Science and Technology of Chapati and Other Flatbreads** on 15 October 2020. This book is published by CRS Press USA.
6. Participated as esteemed speaker and addressed on the topic “Novel and Affordable Technologies in Food Processing for Agriculture Produce of India and Ghana” at a virtual summit titled- India-Ghana Trade & Investment. This Summit was organised jointly for increasing India-Ghana trade opportunity by World Trade Center Mumbai and World Trade Center Accra Ghana on 22 October 2020.
7. Delivered a lecture on Women

Entrepreneurship through Facebook and YouTube Live on 06 December 2020. It was organised by Entra O2: Entrepreneur Oxygen. This video got 4.6 K views across the globe.

8. Anna Brahma series uploaded 9 short videos of 8 minutes each and a long video of 30 minutes on YouTube Channel “Dr. Smita Lele” during October–November 2020. The series covered the topics such as- Nutrition, Food and Health in Corona period.
9. Was Chairperson for the Conclave of Women Engineers on 14 December 2020. It was organised by Marathi Vidnyan Parishad.

• Dr. Girish Joshi



Dr Joshi delivered the keynote address on the topic “Role of Advanced Materials for Engineering thermoplastics” at United Research Forum’s International E-Conference on Advanced Materials Science and Graphene Nanotechnology held on 25-26 November 2020.

• Dr. Manoj Gawande

Dr Gawande was an Invited Speaker at Interdisciplinary e-conference on “Self-Reliant India” He delivered an invited talk entitled “Sustainable Nanotechnologies: A focus from Nanomaterials to Single Atom Catalysts” on 2nd October 2020 organized by Nagarjuna Science and Environment Forum (N-SEF) and Mahatma Gandhi National



Council of Rural Educations and collaboration with G.S. Science, Arts and Commerce college Khamgaon. He emphasizes mostly on the basic concepts of nanomaterials, synthetic techniques of nanomaterials, characterization, and general and catalytic applications of various types of nanomaterials including single-atom catalysis.



• Dr. Somen Mondal

Dr. Mondal was an invited speaker at a Virtual Chemical Science Conference 2020. The title of his talk was “Long range Charge transfer across the Doped Biopolymer: Application Towards Optoelectronics devices”.

Augmentation of Support Staff Strength

We welcome our newly recruited support staff. We have five additions to the support staff fraternity. Mr. Ganesh Gudewar (ITI) and Mr. Devendra Kshirsagar (ITI, BA, MA) shall work as Lab Assistants. Similarly, other three appointments are of Mr. Rahul Vyas (Graduate), Mr. Suraj B. Kshirsagar and Mrs. Hashana S Nirmal (HSC) as Maintenance Assistant, Laboratory Attendant and Laboratory Attendant respectively. Welcome aboard.

Achievements

- ICT Director **Prof. Smita Lele** has been elected as the Life Fellow of the Indian Chemical Society. Her application for the Life Fellowship of the Indian Chemical Society had been approved unanimously by the Council of the Indian Chemical Society at its meeting held on October 02, 2020. Her **Life Fellowship No is F/8359 (LF)**.

- **Dr. Manoj B. Gawande**, Associate Professor of Chemistry at ICT Marathwada Campus Jalna, featured in **Stanford University's global list of top 2% scientists for the year 2019 in Chemistry field**. (file: table-S7-singleyr-2019 in the link) <https://data.mendeley.com/datasets/btchxktzyw/2>
- **Dr. Manoj B. Gawande**, crossed 8,000+ citations recently on google scholars. Several of his papers, reviews are highly cited and some of them are selected as in “VERY IMPORTANT ARTICLES” (VIP).



- **Dr. Somen's** JACS paper is selected in the virtual issues of “JACS Young Investigators 2020” and this paper is related to excited dynamics of different doped C-Dots. (Photosensitizing Capabilities and Ultrafast Carrier Dynamics of Doped Carbon Dots. *J. Am. Chem. Soc.* **2019**, 141, 15413–15422).
- ICT MARJ has collaborated with Indian Institute of Remote Sensing (IIRS). Our institute is network institute of IIRS outreach network. This collaboration enables our students to register for the courses offered by them. Courses from the fields of Remote Sensing, GIS and GNSS technologies and their applications. ICT MARJ Librarian Dr. Hitendra Patil took lead in this collaboration. Our institute participated in an online training course on “Basics of Geocomputation and Geoweb Services” conducted on 19 October 2020. It was coordinated by Dr. Patil.



Student Corner

Publications

1. i-M. Tech student Shreya Yeole with the help of Dr. Girish Joshi published a paper titled "Utilisation of Plastic Waste Generated in Plastic Film and Laminates Manufacturing Units" in Modern Plastic India.
2. i-M. Tech student Vedant Joshi published a paper with Dr. Debashis Kundu. The title of the paper is "Tonic liquid promoted extraction of bitumen from oil sand: A review" in the Journal of Petroleum Science and Engineering.

Paper Presentations at the "First International Online Conference on Blends, Composites, Bio-Composites and Nanocomposites (ICNC-2020)"

i-M. Tech students Gargi Patil (Role of inorganic fillers in nanocomposites for food packaging), Atharva Jahagirdar (Recycled Nanomaterials and its impact on environmental issues) and Vedant Kulkarni (Preparation of Carbon Nanotubes from Plastic waste materials) presented their work at an international conference on "Blends, Composites, Bio-Composites and Nanocomposites" organised by School of Energy Materials (SEM), Mahatma Gandhi University, P.D Hills P.O, Kottayam, Kerala, India from 9-11 October 2020. This conference exposed them to interact with the eminent researchers and scientists from around the world. Dr. Girish Joshi guided and motivated them in this endeavour.

IPT Students paper presentation at an International Conference on Material Physics

Mr. Pratap Gurav ("3D manufacturing of energy storage devices"), Mr. S. Vishnu Pradeep ("Stereolithographic manufacturing of Polymer Nanocomposites") and Mr. Smith Patil (Polymer Nano blends for food packaging applications) have presented their respective topics at an International conference on Material Physics, Bangalore. Dr. Girish Joshi Sir's encouragement and guidance played a big role.

Unmasking

A team of ICT MARJ i-M. Tech students under the name "UNMasking_2020" was a finalist in TechExpo 2020. The topic of their project was "To develop a process for efficient disinfection of used masks by using Chemicals and Thermal Energy". TechExpo is a national level competition where each team goes with an idea and connect it with innovators around the world. IIT GUWAHATI organises TechExpo every year. Mentors from all over India guided our students through webinars and personally guided them to make their project more user friendly and marketable.

We congratulate the team leader Prasad Lakade and the team members- Atharva Jahagirdar, Vedant Kulkarni and Ameya Mantri, for their participation.

Student Clubs

We had Technological Association Meeting with ICT Mumbai TA Committee on 23 September 2020 where Dr. S. S. Bhagwat gave an overview of how TA works at main campus, GS for various activities, etc. He suggested Jalna campus to have different clubs and student coordinators for the same. To align with this, we at the MARJ campus initiated a few Student Clubs with one student coordinator each. Dr. Kapil Sagrolkar is the faculty coordinator for all these clubs.

i-M. Tech students took initiative and have started this new venture. Since then, despite lockdown, they have been actively, rigorously and enthusiastically participating, organizing various activities virtually. The clubs and their activities in these four months are-

Media Club:

Media Club provides coverage for all types of on and off campus activities. The students make their contribution through stories, photos and videos. All photography and videography related work is done under the vision of Media Club, while it also manages the social media links and



promotions of various events. The events covered so far are:

Competition	Description	Winners
Lockdown Leisure	A Photography Competition, showcasing the leisure activities of the students during the lockdown	Jidnyasa Chintamani 1 st place; Aman Patni 2 nd Place; and Piyusha Warade 3 rd Place
Chemingo: a Chemistry Bingo	An event with the combination of study and fun, learning the application and uses of chemical elements	Jidnyasa Chintamani 1 st place, Ayush Gulhane 2 nd place, Harsh Darji 3 rd place, Utkarsh Paodi 4 th place
College Events Promotion	National Virtual Workshop on environment, Energy and Waste Management NANO-SA: the college's first international conference on various topics based on sustainability and nanomaterials	

Art Club (Darsh):

Art Club allows students to express their creativity through various forms of visual arts. The club provides an opportunity to students to showcase sketching, drawing, painting and computer aided-drawing, designing skills, etc. It also encourages different forms of arts such as rangolis, flower decorations and craft making. The events covered so far are:

Competition	Description	Winners
Paint your Heart Out	Art competition	Shruti Patil 1st place; Jidnyasa Chintamani 2nd Place; and Hiteshree Sarode 3rd Place
Collaboration with Meraki Arts Club (ICT Mumbai)	During Diwali rangoli entries were shared on social media platforms to appreciate the work done by members	

Technology and Innovation Club:

Technology and Innovation club provides personal growth and learning opportunities in technology, innovation, design, and engineering through activities like podcasts, debates, quizzes, and article-writing competitions. The events covered so far are:

Competition	Description	Winners
Article writing competition	Topics- Significance of mindset of Indian food science in world medical science. Solar batteries and their significance in the modern world.	Debasmit Ganda and Khushal Agarwal
A Guest Talk by Dr. Amber Sayal	On the topic- "Proactive Leader"	In collaboration with VOICE Club of S.G.G.S. Nanded



Literary Club:

Literary Club provides an opportunity to cater the literary taste, liking and inclination, and also provides an opportunity to unleash the literary talents. It also encourages students to explore the world literature with the aim of expanding its horizon of spoken and written languages. It also has its own blogging page, to showcase writing talents of individuals.

Competition	Description	Winners
Picture Perception Competition	Participants were provided with certain pictures to write about.	Jidnyasa Chintamani 1 st place; Sakshi Tak 2 nd Place; and Saraya Nair 3 rd Place

Music Club:

The Music Club aims to entertain individuals to share an interest in music by engaging in activities involving singing and playing various instruments that provide a platform to showcase talents while taking leisure in the process. The club embodies various styles of music in the form of classical and western categories.

Competition	Description	Winners
Solo Singing Competition	The theme: Bollywood Old Songs	Gargi Patil 1 st place; Prasad Lakade 2 nd place; Ayush Gulhane 3 rd place

Acknowledgement

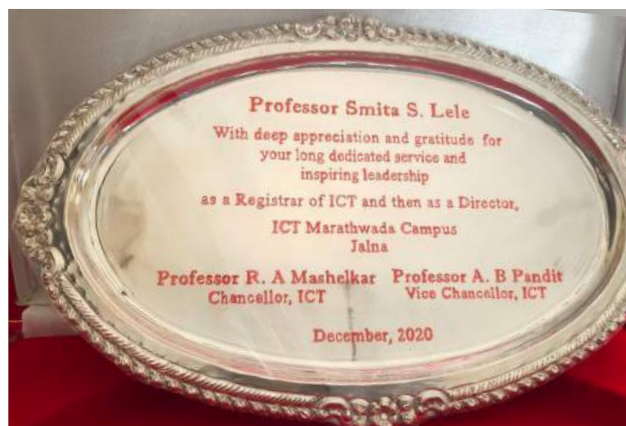
We extend our heartfelt gratitude towards UAA for generously approving interest free laptop loan of Rs. 30 Thousand for 11 i-M. Tech students (03 from the Third Year and 09 from the Second Year) of ICT MARJ.

A Farewell to Prof. Smita S. Lele

Right from the inception of the ICT MARJ Campus till 31st December 2020 ICT MARJ Director Prof. Sita S. Lele has been an integral part of it. She justified her role and lead the campus

right from the front. As a token of gratitude and love we the MARJ fraternity arranged a bid farewell to this maestro on 31st December 2020.

i-M. Tech students Harsh Kasliwal and Ketaki Patil took care of the anchoring part. As a token of love and gratitude Music Club, Media Club and Literary Club tributed Prof. Lele a singing medley video, a video showing Madam's journey right



from teaching at ICT Mumbai and her leadership at ICT MARJ as its Director and poetic letters respectively. Apart from i- M. Tech students, PhD scholars, support staff and faculty members (Dr. Parag Nemade, Mr. Sharad Lahoti Sir, Dr. Girish Joshi, Dr. Manoj B. Gawande, Dr. Sandip Bhairat, Dr. Somen Mondal, Dr. Ritika Joshi, Dr. Joyita Sarkar, and others) too shared their views, memories and feelings on this occasion. From Prof. Smita Lele's family her son Mr. Nilesh Lele shared his feelings with us.

i-M. Tech students Farhan Shaikh and Hiteshree Sarode prepared a game called Bingo for the faculty members. The game included nine questions about Lele madam's life and her academic and professional endeavour at ICT Mumbai and Jalna campus. The game was to gather information from the faculty members who know Prof. Lele more and better. The game went well and all the faculty participated enthusiastically. As usual, towards the end we were inspired by Prof. Lele's motivational speech. The Farewell was concluded by Sharad Lahoti Sir's concluding remarks.

Dasara Celebration at ICT MARJ

This Year's Dasara Celebration was unique and different. The preparation started one day before

with the lead by Mr. Ganesh Gudewar, workshop laboratory assistant. Acting Director Sharad Lahoti sir was the chief guest. In this celebration entire campus was decorated with flower

garland. The rangoli design added beauty to the celebration. The day started with the regular ritual of lighting the lamp. The equipment and the institute vehicles have been worshiped too.

The celebration concluded with savouring the sweet and snacks. ICT Director Prof. Smita Lele's virtual presence and guidance energised the celebration.



Campus Development Activity



After the partially opening of the campus, all research students resumed doing research at ICT MARJ Labs. Wet Lab is now completely ready and functioning for their research work. This Lab is fully equipped with working tables, fume hood, and chemical cabinets along with safety shower. The Heatless Illumination instrument (Photoreactor) and

Microwave organic synthesis system (Microwave reactor) were successfully installed. Instrument engineers of respective instruments provided the preliminary demonstration to students. So now students can handle and plan their reactions on microwave and photoreactor. Very soon, XRD and ICP-MS instrument installation are in process.





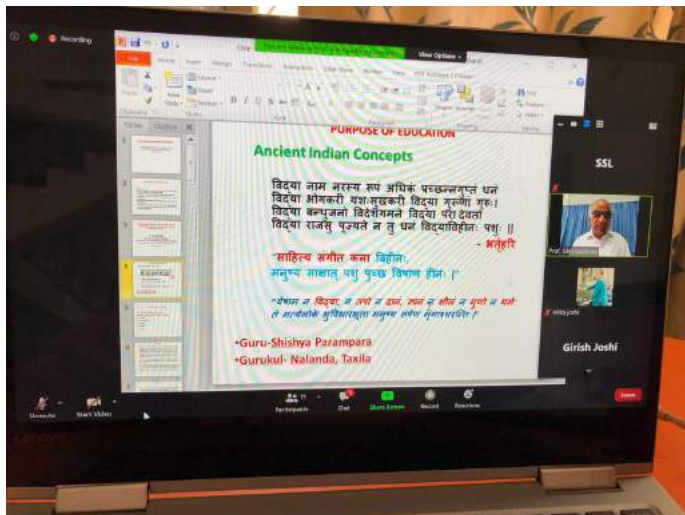
Conferences



2nd Day NANO SA 2020 conference



Conference on Waste Material



Student Activity: Conference Presentation

Student Conference_ICNC 2020



Student Conference_IPT students presented at international conference

	Mr. Pratap Gurav (3 rd year Integrated MTech) Topic: - 3D manufacturing of energy storage devices	
	Mr. S. Vishnu Pradeep (3 rd year Integrated MTech) Topic: - Stereolithographic manufacturing of Polymer Nanocomposites	
	Mr. Smith Patil (3 rd year Integrated MTech) Topic: - Polymer Nano blends for food packaging application	



Student activity: Club Winners



Student Club_Art 1st Place : Shruti Patil

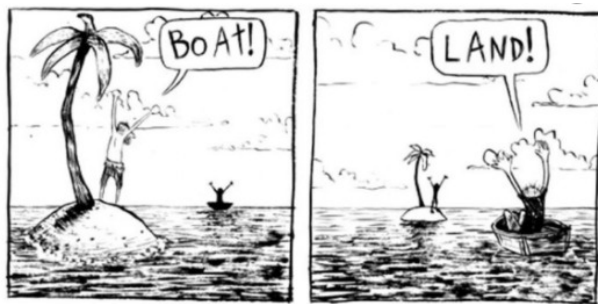
Student Club_Art 2nd Place : Jidnyasa Chintamani



Student Club_Art 3rd Place: Hiteshree Sarode

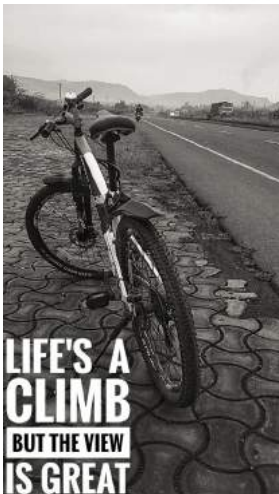


Student Club_Picture Perception Writing 2



Student Club_2nd Place: Aman Patni

Student Club_1st Place : Jidnyasa Chintamani



Student Club_Picture Perception Writing

Photography Competition : 3rd Place_Piyusha Warade