



Prof G D Yadav  
A Leader Par Excellence

# Streamlining minds मागजल

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Academic year 2019-20

MARJ News Letter



Prof A B Pandit  
New Vice Chancellor



## ▲ TEACHERS DAY CELEBRATIONS

## ▼ INAUGURATION OF NEW BUILDING

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# DASARA CELEBRATION



*MOU signing with SGGs,  
Nanded on Dasara ▼*



*MOU with MSS's College of Engg,  
Jalna on Dasara ▲*

## From the Director's Desk



We, the MARJ family, are looking forward to have many state-of-the-art research facilities, instruments, equipment and also see that the Siraswadi land development activity starts soon. I appeal to all the well-wishers, parents and the potential students to visit ICT-Jalna campus because "seeing is believing"!!!

**Dear Readers,**

It gives me immense pleasure to bring out the first newsletter Margjal in the new year 2019-20. Now, we shall be publishing only 3 issues i.e. one in every trimester.

This trimester was very vibrant and packed with activities. Now with over 100 students on the campus and with the new rented building it feels like we are an academic research institute !

The trimester also witnessed the visit of the two extinguished professors- Padmabhushan Prof. J. B. Joshi and Prof. A. B. Pandit. They visited MARJ-campus for the first time. We also had splendid Dasara Celebration & the inauguration of new Boys hostel in the august presence of Padmashri Prof. G.D. Yadav. During a long tenure of 10 ½ Years VC ship of Padmashri Prof. G.D. Yadav, ICT witnessed phenomenal growth and a few of the milestones achieved- elite status by State Government and opening of 2 off campuses. The month of November was unique for the first time in the history of ICT the "Change of Guards Ceremony" took place magnificently.

In the presence of Padma Vibhushan Prof. M.M. Sharma and Padma Vibhushan Dr. R.A. Mashelkar, Prof. Yadav handed over the charge of VC ship to Prof. A. B. Pandit on 29<sup>th</sup> November 2019. Last but not the least, ICT Jalna campus was blessed by Goddess Laxmi the long awaited first instalment of funds from the State Government of Maharashtra is received in the month of November 2019. We, the MARJ family, are looking forward to have many state-of-the-art research facilities, instruments, equipment and also see that the Siraswadi land development activity starts soon. I appeal to all the well-wishers, parents and the potential students to visit ICT - Jalna campus because "seeing is believing"!!! 🇮🇳

**Professor S.S. Lele**  
**Director**



## Change of Guard Ceremony of ICT Vice Chancellor

29<sup>th</sup> November 2019 was marked as a unique day in the history of UDCT-UICT-ICT because for the first time in last 80 years a formal function was held as "Change of Guard ceremony" of the top leader! In the august presence of Mahaguru Padma Vibhushan Prof. M. M. Sharma and Chancellor, Padma Vibhushan Dr R. A. Mashelkar, our beloved Vice Chancellor, Padma Shree Prof. G.D. Yadav handed over the charge to an acclaimed scientist, researcher and academician Prof. Anirudha Pandit. Several well-wishers, distinguished alumni, faculty and students attended the ceremony. Prof. Yadav spoke very passionately on this occasion. 🇮🇳



Change of Guard



## A Leader Par Excellence

### Padmashri Professor G.D. Yadav


*PhD (Tech.), D.Sc. (Hon. Causa), FTWAS, FNA, FASc, FNASc, FNAE, FISTE, FRSC (UK), ChE, FICChemE (UK), FIICChE, FIGS, FMASc, FIICChE.*

*Emeritus Professor of Eminence at ICT*

*R. T. Mody Distinguished Professor*

*J C Bose National Fellow (DST GoI)*

Prof. G.D. Yadav on the day of his retirement acknowledged the love and affection he had received over the years from his alma mater as well as many personalities across the globe. ICT is an indispensable part of his body and soul and will remain so ages together. It was on 21<sup>st</sup> May 2009, in the presence of the luminaries, he was appointed as the Vice Chancellor/Director of ICT. He recalled all the beautiful and life learning memories at ICT. The journey of his life with ICT was very beautiful where every juncture was unravelled with compelling assignments and challenges to overcome. His long journey of 49 years at ICT has also witnessed the spectacular growth of his alma mater.


During his tenure as the VC, the ICT has made phenomenal progress having been declared as Category I institute on par with IITs/ IISc through GR of MHRD/UGC, having started 23 new academic programmes, 5 new Departments and several centres of excellence, and establishment of two off campuses in Bhubaneswar with total support of IOCL, and Marathwada with total support of Govt. of Maharashtra, collected phenomenal fund collection of Rs. 1830 Cr. and creation of 292 faculty positions and renovation of buildings. ICT IOC Bhubaneswar has active collaboration for Exec M Tech programme with joint degree with IIT Kharagpur. 

## A MAHA-GURU ON HIS ILLUSTRIOUS DISCIPLE



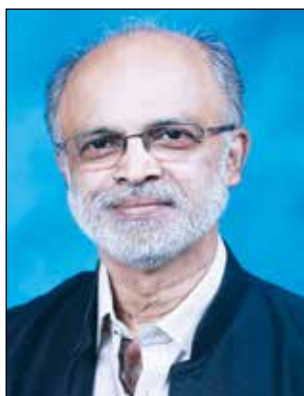
### Padma Vibhushan Professor M. M. Sharma,

Former Director  
UDCT and Eminent  
Professor of  
Eminence, ICT

I have known GDY for more than 45 years from his days in UDCT hostel. He did his PG studies with me all the way to a PhD. He pioneered work on “Phase Transfer Catalysis in India” and it was also taken to commercialization. He has an uncanny knack of carrying out experiments in an articulate way and at the same time has expertise in the theoretical work. He is very good at making sketches and is also a poet. He has done exceptionally well as a Professor and as the Director/VC and has taken ICT to an elite status—a formidable task, on par with IITs, and that too from a state govt institute. His tenure will be certainly written in golden letters in the annals of ICT. He has been simultaneously active in research as reflected in his numerous publications in renowned journals. This shows how diligent he has been throughout. He has established new campuses in Jalna and Bhubaneswar, later through an extraordinary contribution from Indian Oil Corporation; this has no parallel. He is a rare personality who would be willing to die for the prestige of ICT. 



## New Vice Chancellor



He appealed to the volunteers from the advisors, alumni, faculty, and students to help him realize the dream of making ICT a world-class university. To reach this considerable goal there arises a need to collaborate with top universities across the globe.



*Presenting the memento (from left to right) :  
Dr Vasanti Yadav, Prof G D Yadav,  
Chancellor Dr R A Mashelkar,  
Prof M M Sharma, Prof A B Pandit,  
Registrar Prof R R Deshmukh*


### **Professor A. B. Pandit**

*FNA, FTWAS, FASc, FNAE, FNASc, FMASc,  
J. C. Bose National Fellow,  
UGC Research Scientist, Professor  
Vice Chancellor*

On the same day Prof. A. B. Pandit humbly accepted the ICT Vice Chancellor post. Prof. Pandit promised that he would draw strength to continue the legacy of ICT from his predecessor, Prof. G. D. Yadav. He quoted Pauline Kezer to put up his vision that “the continuity gives us roots and change gives us branches, letting us stretch and grow and reach new heights”. His vision is to focus on the intangible benefits like developing a sense of pride for ICT and increasing the happiness quotient by exploring and encouraging the full potential of ICT family while promoting their contribution to the growth of ICT.

He appealed to the volunteers from the advisors, alumni, faculty, and students to help him realize the dream of making ICT a world-class university. To reach this considerable goal there arises a need to collaborate with top universities across the globe.

He said that the capable, competent and motivated faculty and staff are pillars of stability and growth of the institute. He set the target of having 500 faculty strength and 5000 research students across campuses. For this purpose, he also hoped to attract talented, capable and motivated individuals whose personal aspirations aligning with that of ICT by providing a conducive and free growth culture to them. He concluded his speech by acknowledging the effort, assistance and advice of all the people he has worked within ICT.

(Reader may visit YouTube link : <https://www.youtube.com/watch?v=wqpXuRT9oAM> for viewing complete program of Change of Guards.). 



Lectures, Pep talks and Seminars

## Dr. Kishor Paknikar



**D**r Kishor Paknikar, a pioneer researcher in Nano Bio-Technology in India, an acclaimed Biotechnologist, retired Director of Agharkar Research Institute Pune, and an Emeritus Scientist, delivered an inspirational talk on “Bio-Inspired Innovations in Nanotechnology” on 6<sup>th</sup> March 2019 at ICT-MARJ. He started his lecture with the inspirational word, “minds are like parachutes. They function only when we open them”. Growing as per the need of the society he applied his knowledge of microbiology in every possible application extending from microbiology to biohydrometallurgy to metal-

microbe. He shared all his research work and the patents which included his one marketed formulation based on the silver nanoparticles. He completed his lecture on the note that the life is the bottom to top arrangement of atoms whereas the death is top to bottom arrangement. 🇮🇳

## Dr. Swamini Chopra



**D**r. Swamini Chopra from MIT, Aurangabad delivered a stimulating talk on “Polymers, composites and Cryogenic Treatment of Materials” on 11<sup>th</sup> September 2019. She discussed how the cryogenically treated polymers and composites show excellent properties. The applications of the treated polymers were versatile. She explained the fundamentals of the polymers and the needs of the cryogenic treatment to the polymers. 🇮🇳

## Mr. Vivek Phadke



**M**r. Vivek Phadke, as a consultant, has been associated with ICT for last 5 years. He is an engineer and had been in teaching profession for many years. Later he took up MBA and Human Psychology studies as his new passion. ICT adopted a policy to conduct psychometric assessment of student every year. This is initiated as a proactive measure to timely detect and correct undesirable traits and stress in young students. ICT included Psychometric Assessment in

the Induction Program for the new entrants. This assessment helps students to know their strength, weakness and big 5 drives in the professional life. Mr. Vivek Phadke and Mr. Mayuresh Joshi, handwriting analysis expert, visited MARJ on 21<sup>st</sup> and 22<sup>nd</sup> September 2019. During this period all i-M.Tech students underwent psychometric assessment. Few students were identified for extra hand holding and counselling. Mr. Phadke also conducted training sessions on excel for support staff and separately for the faculty too. 🎓

## Dr. Amiya Bhowmick



Assistant Professor of Mathematics, ICT Mumbai, visited ICT-MARJ on 18<sup>th</sup> and 19<sup>th</sup> October 2019. He delivered a series of lectures related to the probability distribution and R software, and also on the “Selected Applications of Mathematics and Statistics in Natural Sciences” to the i-M.Tech students. Dr. Bhowmick discussed how differential equation models can be applied to the model, the dynamics of cholera transmission and how optimal intervention policies can be framed. He also discussed the use of statistical methods in population estimation of Sarus Crane in Gujarat. 🎓

## Ms. Malini Shah



On the eve of World Mental Health Day i.e. on 9<sup>th</sup> October, ICT MARJ organised two sessions of Ms. Shah, the ICT Counsellor. In the first session she spoke on “Mind Fitness and Emotional Resilience” while the second session was personal interaction (individual counselling) with students. She visited ICT MARJ on 9<sup>th</sup> and 10<sup>th</sup> October 2019 with an idea to lend a helping hand to the newly admitted young minds and also to guide them towards the right ethical career path. 🎓

## Dr. Santosh Deosarkar



Associate Professor, School of Chemical Sciences ASRTM UNIVERSITY Nanded visited ICT Jalna campus and delivered a talk on “Thermodynamics and its Applications” on 22<sup>nd</sup> November 2019. He elucidated different concepts and laws of thermodynamics and their applications in various fields. His talk was inspiring, interactive and helpful to the students. Towards the end, he discussed his research work and answered the questions asked by the students. All the faculty members and Director of the ICT MARJ appreciated his energetic talk. 🎓



## Half Day Seminar on 14<sup>th</sup> November 2019

### Padmabhushan Prof. J. B. Joshi



**P**admabhushan Prof. J. B. Joshi (former Director, ICT Mumbai, and a renowned Chemical Engineer in the field of Multiphase Flow) visited ICT Jalna campus for the first time along with his first PhD scholar, Prof. A.B. Pandit (senior Professor, ICT Mumbai).

After the retirement from ICT Mumbai, Prof. Joshi worked as an Emeritus professor in HBNI, Mumbai and is now the lifetime Emeritus Professor of eminence, ICT Mumbai. He is also the President of Marathi Vidnyan Parishad and his love for science and society is well known.

Mahaguru Prof. Joshi expressed his views on “Wealth Generation through Science and Technology”. His views inspired and enabled the students to explore the use of technology to solve the problems of the needy. He emphasized the need to develop technologies for the growth of the nation and also to serve the mankind. He shared many innovative ideas and success stories of his students for instance- Bhaba Kavach (Bullet proof jacket)- made of using carbon nanotubes. 🇮🇳

### Prof. A. B. Pandit



**P**rof. A. B. Pandit, a world acclaimed chemical engineer working in cavitation and the receiver of several awards, academy fellowships and honors, was welcomed with great reverence by the MARJ Family. This was his first visit to Jalna campus after the start of academic programs. The topic of his talk was “13<sup>th</sup>-21<sup>st</sup> Century: The Saga of Science and Technology”. He shared the eminent scientists’ biography and their struggles, victories, innovations and inventions which changed the history of mankind around the globe.

He initiated his talk with the life of acharya P. C. Ray, the Father of Indian Chemistry and Technology, who started Bengal Chemicals 100 years back in Kolkata. Prof. Pandit shared a few more valuable thoughts from the book, titled 21 lessons for the 21<sup>st</sup> century. Many aspects such as what is science, who is a Scientist, what is the role of an Engineer, future of healthcare and the world happiness index were also discussed by him. 🇮🇳



## Lectures/Seminars by MARJ Faculty

**Prof. Smita Lele**

Prof. Smita Lele was invited for a talk by Matsyodari Shikshan Sanstha college of Engineering and Technology, Jalna. She delivered her talk on “Woman Education and Empowerment” and “Empowering Woman through Technology” on 13<sup>th</sup> September 2019. She quoted Margaret Thatcher’s inspirational words, “if you want anything said, ask a man. If you want anything done, ask a woman”. Over 100 students (girls and boys) attended the program.

Apart from this talk she also gave a skype lecture on 21<sup>st</sup> September 2019 during Wine training workshop Pune. On 23<sup>rd</sup> October 2019 Prof. Lele attended a program on “Fruit Wine Business Opportunities” which was organised by Mahratta Chamber of Commerce Industries and Agriculture (MCCIA), an Indian business advocacy and networking group located in Pune, serving businesses in the state of Maharashtra. Besides, she also delivered a lecture on “Aahar Vihar” in Talegaon Mahila Mandal, on 11<sup>th</sup> December 2019. 🇮🇳

**Dr. Manoj B. Gawande**

Dr. Manoj B. Gawande, Associate Professor, ICT Marathwada, delivered a talk on “Synthesis and catalytic applications of nanomaterials” on 7<sup>th</sup> December 2019 at National Conference on New Dimensions in Chemistry and Chemistry Education and National Convention of Chemistry for Teachers (NCCT-19) organised during 5<sup>th</sup> to 7<sup>th</sup> December 2019 in Sant Gadge Baba Amravati University Amravati. This conference was organised in collaboration with Association of Chemistry Teachers (ACT) Mumbai. Dr. Gawande spoke on the magnetic nanocatalysts, core-shell nanocatalysts and single atom catalysts and their applications in organic catalysis and energy. He also interacted with several eminent scientists, namely Prof. A. K. Singh (former director of IIT Gandhinagar) and Prof. Gajbhiye (IIT-Kanpur) and others. 🇮🇳



## Dr. Girish Joshi

Dr. Girish Joshi was invited as Chief Guest to the Annual Function on 20<sup>th</sup> December 2019 at the Anil Jindal World School. The team of top ten artists were honoured by Dr. Joshi for their best cultural performance. He highlighted the ICT MARJ and future prospectus for chemical engineering and science as choice of career for the students in his chief guest message. 🎓



## New Faculty Joined MARJ

### Dr. Manoj B. Gawande



**Associate Professor of Industrial Chemistry and Engineering**

(Email : mb.gawande@marj.ictmumbai.edu.in)

Website : www.gawandesgroup.com

including Carbon nitrides and Nanodiamond.  
• Continuous flow-MS monitoring organic transformations.

#### Publications:

International-105  
Patents-2

Students Guided: PhD: 3 completed (co-supervisor);  
4 ongoing. Postdoc: 9

#### Selected Publications:

1. Mixed-valence single-metal-ion catalyst derived from functionalized graphene  
A. Bakandritsos, R.G. Kadam, P. Kumar, G. Zoppellaro, M. Medved, J. Tucek, T. Montini, O. Tomanec, P. Andrášková, B. Drahoš, R. S. Varma, M. Otyepka, M. B. Gawande,\* P. Fornasiero\* and R.Zbořil\*, *Advanced Materials*, 2019, 19003232.

2. Ag@CoxP Core-Shell Heterogeneous Nanoparticles as Efficient Oxygen Evolution Reaction Catalysts

Y. Hou, Y. Liu, R. Gao, Q. Li, H. Guo,\* A. Goswami, R. Zboril, M. B. Gawande,\* and X. Zou,\* *ACS Catal.*, 2017, 7, 7038–7042.

3. Cu and Cu-based nanoparticles: Synthesis and Applications in Catalysis

**Manoj B. Gawande,\*** A. Goswami, F.-X. Felpin, T. Asefa, X. Huang, X. Zou, R. Zboril,\* and R.S. Varma\*, *Chem. Rev.* 2016, 116 (6), 3722–3811

#### Awards & Honors :

- FRSC Fellowship (Royal Society of Chemistry (FRSC), United Kingdom).
- Deans Award (Dean of Palacky University, Olomouc, Czech Republic)
- Mahatma Gandhi Pravasi Samman (Ministry of Overseas Indian Affairs, Government of India in conjunction with the NRI Welfare Soc. of India).
- FCT Research Associate fellowship, Lisbon, Portugal).
- BK-21 (Brain Korea) Research Fellowship Award South Korea.
- Messel Memorial Bursary Award (Society of Chemistry and Industry SOCI, UK).

#### Research Interests :

- Single atom nanocatalysts
- Nano-Chemistry, Organic synthesis
- Nanomaterials synthesis and its applications in energy
- Core-shell and Integrated nanocatalysts.
- Carbon-based nanomaterials and applications
- Immobilization of metals on inert support



## Faculty

### Achievements & Awards

#### Dr Parag Nemade : First Consultancy at ICT-MARJ



ICT-MARJ campus witnessed the establishment of its 1st consultancy firm by Dr. Parag Nemade. The firm works for Garware Polyester Ltd. Dr. Nemade is responsible for assisting the company to design efficient and cost-effective process for effluent treatment of the process fluids. He is also supported by the three Interns from ICT Marathwada campus. Hearty Congratulations to him and his team! 🎉

#### Dr. Girish M. Joshi : Maharashtra Academy of Sciences Fellow Award

The prestigious Maharashtra Academy of Sciences Fellow was given to Dr. Girish M. Joshi, Associate Professor at ICT Jalna, for his outstanding contribution in the field of Physical Science. This award ceremony was organised on 14th December 2019 at Rajiv Gandhi Institute of I.T and Biotechnology (RGITBT) Pune. This year sixteen Fellows and nine Associates were nominated by Maharashtra Academy of Sciences for their outstanding contribution. Padma Shri Prof. G.D. Yadav (Ex-Vice Chancellor of ICT Mumbai) presided the function and has given the Oath and Fellow Award for popularization science. This is the 1st award for MARJ faculty. 🎉

#### Evaluation of the PhD students

Six-month evaluation of Tutor cum Research Associate (TRA) was completed on 3rd and 4th October 2019. The progress of all the TRAs found satisfactory. Select TRAs presented their research work on the occasion of Dasara before Prof. G. D. Yadav. 🎉

#### UAA Program

The grand main building of ICT Mumbai main campus with 4 pillars symbolizes ICT family that has students, faculty, staff and alumni as 4 major stake holders. Founder of Infosys, Shri N. R. Narayan Murthy said that “Nobody is bothered about an institution more than its alumni!”. Indeed, it’s true. Team from UDCT Alumni Board of Governors (UAA BOG) travelled all the way from Mumbai to Jalna specially to meet the new admits of i-MTech in 2019-20. Last year the i-M.Tech students went to ICT Mumbai to attend UAA fresher’s welcome program. Shri Dilip Udas, President UAA Head Quarters, past president Shri Ravi Raghawan and Hon. Secretary Shri Nilesh Lele came to Marj and a full day interaction program was organised on 28th September 2019.

Prof. Lele, Director of ICT-MARJ, welcomed all the guests. President of UAA Mr. Dilip Udas shared his experiences and memories of UDCT when he was a student. He said that UAA is an interactive networking and information platform for all the alumni. UAA has branches spread over India and also across the globe. There is official website of UAA where



all the past student of UDCT/UICT/ICT can log in irrespective of being a member of UAA or not. Further, he stated that as per new policy of ICT all the students are automatically becoming UAA life members when the graduate since the membership is collected as instalment with the fees. He also described various initiatives conducted by UAA such as giving Distinguished Alumni (DA) Awards. Every December UAA has Annual Reunion Day where batches who completed 10, 25 and 50 years have special get together. UAA Foundation day is celebrated on May 11<sup>th</sup>, which is also National Technology Day. The DA awards of various categories are given in December and May. In addition to giving donations for specific Projects executed for the alma mater (e.g. lab upgradation with specific objective), UAA gives interest free loan scholarships to needy students of ICT. The members staying in India and overseas are regularly hosting students Interns/Industrial Visits etc. Several members participate in mentorship program / start up mentorship etc.



### Disbursal of Interest Free Loan

We thankfully acknowledge quick disbursal of interest free loan of Rs. 62500/- from UAA to one of the needy students of ICT-MARJ, i-M.Tech Second Year- Sachin Adhe, immediately after the UAA BOG team visit to Jalna. Superfast action!!!

### Acknowledgment of Donation


Mr. Ravi Raghavan, former UAA President, donated Rs. 22100/- towards remaining dues of academic fee for Sachin Adhe, a needy student ICT-MARJ



After the informative speech by Shri Udas, former president of UAA Mr. Ravi Raghavan shared his experiences and also added information on UDAAN monthly e-newsletter of UAA. Mr. Nilesh Lele, UAA secretary, briefed various activities conducted so far and to be conducted by UAA. He also mentioned about several new initiatives by UAA for students' benefits by saying "your net worth is equal to your network". He appealed for participation from Jalna students in UAA activities. Several Alumni from Aurangabad and Jalna area and Chapter president G.D. Agarwal, distinguished alumnus Shri Ashish Mantri and others were present and they have agreed to collaborate and participate in many more activities at Jalna campus for the benefit of students.

In order to take benefit of subject expertise of the UAA team members, 3 technical lectures were organised as a half day seminar in the afternoon. Three afternoon technical sessions were taken by Mr. Udas, Mr. Raghavan and Mr. Lele respectively. Mr. Udas deliberated on "Opportunities in Chemical Industry". He initiated with the basic details of the chemicals, for instance- classification of chemicals, prices of chemicals. Later on he spoke on the challenges in the manufacturing, and how important is the role of a chemical engineer. He also discussed opportunities for a chemical engineer in R & D, process design, projects, marketing, regulatory requirement, sustainability needs, intellectual property rights, etc. He inspired the students by saying, "it does not matter which branch or discipline that you have specialized in, it does not even matter which department you choose to work, what matters is that the life is all about problem solving".

Mr. Raghavan discussed the topic- "Business and Technology trends in Chemical Industry" with the select important issues dealt in the industry. His lecture included major areas such as- relevance of chemistry & the role of chemical engineers, the risks from chemicals & society's response, the quest for sustainable development i.e. green chemistry, new raw material, and energy conservation. The Socratic method (question answer method) session enticed and tied the audience. He posed questions like- Why should we study chemistry? What else can I do with chemistry qualification? Where do you find chemicals? What does the chemical industry make? What are the risks from chemicals? How have the government responded to these risks?

Mr. Lele engaged the last technical session where he talked on "Start-up Opportunities". He is of opinion that the start-up is like an orchestra playing different instruments in one tune. He spoke on current scenario of start-up opportunities and market value of some selected food products in Indian markets. He dealt with the food processing, food and vegetable export, cereals and pulses export, market potential, etc. He also discussed the increased use of natural products, increasing shift to wholesome nutrition, increased consumer attention to nutritional labels, increased focus on healthy but tasty food, etc. He deliberated on the challenges we need to face, such as- quality and quantity of fruit and vegetables, low productivity of agriculture products, small landholdings of farmers, poor processing conversion, low technology base and low automation, labor-intensive operations, high degree of seasonality and erratic input availability, high operating costs due to small-scale operations. He completed his session by saying "opportunities are immense; challenges can also be viewed as opportunities". 



## UDCT was founded on 1<sup>st</sup> October 1933



ICT Mumbai campus celebrated its 86<sup>th</sup> Foundation Day on 10<sup>th</sup> October 2019. Prof. Bhushan Patwardhan, Vice-Chairman, University Grants Commission (UGC) was the Chief Guest. The ICT-MARJ Faculty, RAs and students joined the ceremony through video conferencing. Prof. G. D. Yadav introduced ICT and their achievements to the honourable Chief Guest and the audience. Prof. Patwardhan shared various UGC schemes and upcoming proposed educational pattern. At the end, Prof. R.R. Deshmukh, Registrar, ICT Mumbai, shared his views and specially requested Prof.

Patwardhan to reinstate SAP PhD fellowship. Prof. Deshmukh thanked the Chief Guest for his valuable time and informative speech. 🇮🇳🇮

## Dasara Celebration :



ICT-MARJ celebrated Dasara on 8th October 2019 with the ICT Vice Chancellor, Prof. G. D. Yadav. The day was packed with various activities. He also inaugurated the engineering workshop laboratory and boys' hostel alongside. The celebration started with ICT ritual of lighting the lamp for Rasayan Devika Idol. Prof. Smita Lele welcomed the guest of honour Prof. G. D. Yadav. The First Year i-M.Tech students performed various cultural activities which was followed by Prof. G. D. Yadav's address to the gathering. In his address he explained the importance of Chemical Engineering and its impact on the society. i-M.Tech students shared their life changing experience of the industrial training (IPT). IPT gave them an opportunity to upgrade their performance in terms of analytical thinking and problem-solving capabilities given to them by various industries. Prof. Yadav complimented all the students for their successful efforts in industrial training program. Some research associates presented their tentative research proposals and Prof. Yadav added his valuable insights and suggestions to their proposals.

Later in the post lunch session Prof. Yadav delivered a lecture on "God is a Chemical Engineer". He briefly and gracefully elucidated the ubiquitous role of the chemical engineering in healthcare, textile, petrochemical industries. He highlighted on 14 different thrust areas where research needs to be done so that the society can be benefited to the maximum.

### MOU Signed

“Today I witnessed presentations by students who have done internship in four different industries. Excellent presentations! The audience was all First Year, Second Year and PhD students. The PhD students also made presentations. I think we should have a joint one-day or two-day seminar for both the campuses using video conferencing. It will benefit the students because they have worked in different industries. Each group can be given 10 minutes. Kindly do it after Diwali. Each term you should have such joint seminars. Students and faculties at both campuses will benefit.”

On the auspicious occasion of Dasara, ICT MARJ signed two MOUs with :

1. Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded.
2. MSS's College of Engineering and Technology, Jalna.

The MOU signing program was accomplished in the presence of Prof. Yadav who complimented the new bonding between ICT and the two partnering Institutes. The respective authorities from both the Institutes shared their views and agenda on this newly established association. 🇮🇳

### Visits and Meetings

## Prof. G. D. Yadav and Shree Ravsaheb Danve Meeting



Prof. Yadav met Shree Danve, MP of Jalna, on 7<sup>th</sup> October 2019 and discussed the plan of ICT Marathwada Campus and the current progress. Shree Danve cordially welcomed ICT MARJ for the welfare of the people of Jalna-Aurangabad region and assured his help for further progress and the development of the MARJ campus. Prof. Yadav expressed his gratitude to Shree Danve for his constant support to ICT-MARJ campus. 🇮🇳



## Academic trip to SSGS Institute of Engineering and Technology Nanded



**D**r. Girish Joshi, Associate Professor, coordinated the visit of batch B of Second Year i-M.Tech students accompanied by Research Associates, Mr. Shankar Humbe and Ms Namita Karna to Shri Guru Govind Singhji Institute of Engineering and Technology (SSGS) Nanded, Maharashtra during 18<sup>th</sup> to 20<sup>th</sup> September 2019. This study tour was a part of their academic experience consisting of 20 lectures on thermodynamics and fluid mechanics along with the visit to Chemical Engineering Labs. It was a great and effective learning session for the students. Dr. Prakash Jadhav, Head, Chemical Engineering and other faculty members took great efforts to expose the ICT students to the domain of thermodynamics and fluid mechanics through this short study tour. 🇮🇳

## MIT Aurangabad Visit



**M**aharashtra Institute of Technology, Aurangabad organized a study tour on 25<sup>th</sup> September 2019 for the First Year i-M.Tech students of ICT Mumbai, Marathwada campus Jalna.

In this tour, all the sixty-four First Year i-M.Tech students, four RAs along with Prof. Manoj Gawande and Dr. Manoj Jadhao visited MIT Aurangabad. They visited Shimadzu Lab, Robotics Lab, MIT-carts, M-sip and Cryogenic Treatment Lab. This institute is well equipped with various instruments like FTIR, Differential Scanning Calorimetry, Thermos Gravimetric Analyzer, Auto titrator, Robotic design machine, GC-MS, Rotational Molding Machine and 3-D Printing Machine. MIT experts provided the details of the instruments to the students. 🇮🇳






## Parent Meet of First Year and Second Year i-M.Tech Students

*Education is painful, continual and difficult work to be done in kindness,  
by watching, by warning, by praise, but above all, by example.*

- John Ruskin

Meeting of parents and ICT functionaries was held on 12<sup>th</sup> and 13<sup>th</sup> November 2019 at ICT-MARJ campus to discuss the present status of the campus and general issues related to the students and curriculum. Prof. Smita Lele and Dr. Parag Nemade discussed the structure of the i-M.Tech course, and campus facilities and infrastructure.

Professor P. R. Vavia (Dean, AP) chaired the Meeting on 13<sup>th</sup> November 2019 which was accompanied by Professor B.M. Bhanage (Dean, ICD) and Prof. V. K. Rathod (CoE). They discussed various policies, initiatives and infrastructure of ICT to maintain lively atmosphere for teaching and learning at ICT-MARJ. 

## Industry Visit by Students

Students of new i-M.Tech batch visited industries in Jalna and Aurangabad. The students were divided into S groups. Each group was assigned to study one industry. Then they were asked to present their observations and what they learned on 6<sup>th</sup> September 2019 in the Auditorium, ICT Jalna.

*First Best Presentation – Group B – Approcopp Engineers Pvt. Ltd*

**Group B –**

Aryan Saldanha, Ashish Sagare, Ayush Gulhane, Ayush Redasani, Darshan Munot, Mrudul Shroff, Debasmit Ganda, Devrat Thattekar, Farooqui Altamash and Gauri Ladda.

They gave an informative and interactive presentation on their visit to Approcopp Engineering Pvt. Ltd. Jalna.

*Second Best Presentation – Group F – Orient Polypack Pvt. Ltd*

**Group F-**

Shrikant Khandebharad, Sumit Ingle, Tanisha Patni, Tejas Jairange, Unmesh Thorve, Unnati Agrawal, Vaishnavi Deshmukh, Vaishnavi Patil and Vaishnavi Phirke. This group presented their experience at Orient Polypack Pvt. Ltd. Jalna

Congratulations to all the winners!

*IPT- 1 Batch-18-B & Presentations on 13th September 2019*

Batch 18 B, after completing their first IPT, as a part of IPT evaluation scheme, gave final presentation before the Evaluation Committee on 13<sup>th</sup> September 2019. The students gave the audio-visual presentations. They covered topics like Introduction of Industry, Layout, Products, Markets, Manufacturing Processes, QA Processes, Projects, etc. They also completed assignments on key scientific learning and soft skills they learnt there. The faculty panel- constituting Mr. Sharad Lahoti, Associate Dean, Prof. Girish Joshi and visiting faculty Prof. Thakare of MSS Engineering College, conducted the viva after the presentation. The following is the list of Batch 18 B-




No.	Name of Student	Name of Industry
1	Abhishek Satish Mote	Adherence Techno Waluj
2	Aditya Vinod Bhalerao	Adherence Techno Waluj
3	Rohan R. Wankhede	Approcopp Eng.Pvt. Ltd Jalna
4	Aum Manoj Chaudhari	Approcopp Eng. Pvt. Ltd Jalna
5	Harshal Kailash Kasat	Beej Sheetal Pvt. Ltd Jalna
6	Vishwas Sameer Erulkar	Beej Sheetal Pvt. Ltd Jalna
7	Dhananjay P. Nagre	Bhagalaxmi Steels P Ltd Jalna
8	Kartik Baliram Ghate	Bhagalaxmi Steels P Ltd Jalna
9	Nikhil Pundlik Umale	Bhakti Solvex/ Smoothline Jalna
10	Ashutosh Darak	Bhakti Solvex/Smoothline Jalna
11	Bhavesh S. Dayma	Metaroll Steels Pvt Ltd Jalna
12	Smith Vivek Patil	Metaroll Steels Pvt Ltd Jalna
13	Ravinutala Shivani	R.A. Chem Pharma Ltd Hyderabad
14	Piyush Rahul Dhage	Rajuri Steel Pvt Ltd Jalna
15	Shrenik Hiren Bakhda	Rajuri Steel Pvt Ltd Jalna
16	Harshal B. Kavhale	Shree Tubes Pvt Ltd Aurangabad
17	Adarsh Vinod Chhabda	Shree Tubes Pvt Ltd Aurangabad
18	Yogesh Shivaji Mhetre	Shree Tubes Pvt Ltd Aurangabad
19	Adwait Tulsidas Sawant	Tata Motors Ltd Dharwad
20	S. Vishnu Pradeep	Tata Motors Ltd Dharwad
21	Akshat S. Bedmutha	Trilok Foods Satara
22	Aniket Dashrath Pinjari	Trilok Foods Satara
23	Raunak Sandeep Dayma	Vinodrai Eng. Pvt. Ltd. Jalna
24	Sachin Kailas Adhe	Vinodrai Eng. Pvt. Ltd. Jalna
25	Janhavi T. Dhumal	Vinodrai Eng. Pvt. Ltd. Jalna
26	Bhumi Sunil Borade	Vinodrai Eng. Pvt. Ltd. Jalna

## 2018 Batch glimpses of Second Industrial Training

After completing a successful IPT in Jalna-Aurangabad region, the 2018 Batch went outside Maharashtra State for their 2nd IPT

### Monk Foods, Indore



The company is owned by a first-generation startup by a young entrepreneur who are Seasoning and Chocolate Manufacturer. Vedant Joshi and Vedant Kulkarni completed their internship and were very happy to get exposure to various technical and other activities. 

## Suhana Industries, Pune



Urvi Parlikar and Prasad Lakade worked on developing biodegradable cutlery using spice waste. Vaidehi Patil, Sakshi Jatkar worked on developing useful products from plastic and spice waste. 🎓👩🎓

## Godrej Industries Ltd. Valia



Godrej Industries Limited is an oils and oleochemicals manufacturing company having its main state of the art manufacturing plant at Valia in Gujarat. The company manufactures 2,73,700 metric tonnes of chemical products every year. During the IPT, Krutarth Pandit, Parth Khandagale, Prajwal Jadhav were given assignments on material balance, process analysis, etc. 🎓👩🎓

## Mylan Industries Aurangabad



Mylan Industries is a well-established MNC company. Milan Puskar and Don Panoz established Mylan Laboratories in 1961. Atharva Jahagirdar said, "it has provided me good exposure and wonderful experience". 🎓👩🎓

## Science for Society Technologies Pvt. Ltd. New Mumbai



S4S Technologies is a Food Preservation Company that has a major focus on dehydrating fruits, vegetables and spices (Desi-Videsi Brand), inventing new food processing technologies and machines. Mrudav Raval and Aman Tamboli were given assignments on Food and Vegetables Dehydration and related testing work. 🎓👩🎓



## Vibfast Pigments Pvt Ltd Ahmedabad



Harsh Darji and Rohit Chaudhari shared their experience at Vibfast Pigments Pvt. Ltd. Ahmedabad. They said, “for the first time, we had our internship outside Maharashtra State. We had an amazing experience not only with the learning but also in growing values and skills among us. We had an amazing team guiding us at every step and even the Industry was happy with our performance, projects, and assignments too. We could achieve our results by various experiments in lab which we were able to implement in the Industry. We are very thankful to the ICT-MARJ and the Industry for giving us this opportunity”.

## Garware Polyester Limited

Shreyash Deshmukh, Manthan Dikshit, and Farhan Shaikh expressed their “experience in the polyester production chips unit at MIDC-Waluj as exceptional”. They said that they learned core chemical engineering fundamentals, under the guidance of Mr. K.Y. Bante, Mr. A.R. Kulkarni, Mr. V. H. Dongre and Mr. P. P. Munde. This four-month internship was aimed at reducing pollution caused by the Polyester Production Process. Our team under the guidance of Prof. P. R. Nemade suggested changes for decreasing emissions, and improving the quality of recovered water from the polyester production process and wastewater sent to the Effluent Treatment Plant. We are grateful to Garware Polyester Limited for the internship opportunity.

We are looking forward to continuing our association with Garware Polyester Limited so that we can utilize our knowledge, research and creative skills to benefit the overall growth and success of ICT, Garware and the Nation.

### Celebrations at Campus

## Teachers Day Celebration

*Gurur Brahma Gurur Vishnu Gurur Devo Maheshvara,  
Gurur Shakshat Parabrahma Tasmai Shree Gurve Namah*

Dr. Sarvapalli Radhakrishna’s Birthday, i.e. 5<sup>th</sup> September, is celebrated as Teachers Day to remember the selfless efforts of all the teachers. All the teachers of ICT-MARJ were honored with a sapling of love and respect by Tutor cum Research Associate (TRA) on 5<sup>th</sup> September 2019. The contribution of the supporting staff in the building of the institution was also acknowledged. Dr. Nemade and Mr. Lahoti enlightened everyone with their valuable words and showed the pathway to the students to be good human beings. A cultural event too was organized by the i-M.Tech students. One of the students enthralled the audience by playing the flute. Prof. Lele concluded the Day with her motivating speech.

## Education day

*Education imparted by heart can bring revolution in the society.*

**- Maulana Abul Kalam Azad**



## Constitution Day

ICT-MARJ campus celebrated the Constitution Day on 26<sup>th</sup> November 2019. The Preamble of Indian Constitution was read by Dr. Gawande and others repeated after him. The gathering watched the live streaming of celebration of Constitution Day organised in New Delhi by the Ministry of Parliamentary Affairs. The program started with the National Anthem. Honourable President of India, Honourable Vice President of India, Honourable Prime Minister and Member of Parliament shared their views on the occasion. 🇮🇳

## Dr. Ambedkar Mahaparinirvana Diwas 2019

ICT MARJ celebrated 64<sup>th</sup> Mahaparinirvana Diwas on 6<sup>th</sup> December 2019. We organized a small gathering to honor Bharat Ratna Dr. Babasaheb Bhimrao Ambedkar and his valuable thoughts. Dr. Nemade gave a short remembrance talk on Bharat Ratna Dr. B. R. Ambedkar and his thoughts through a video clip and presentation. The presentation was an overview of practicing and preaching the thoughts of independence, equality in all respects, duty, spirituality, human rights, etc. At the end, Prof. Lele shared a motivational story in the remembrance of Dr. B. R. Ambedkar's Death Anniversary so that it would help students face problems in life. She also asserted, "if the giver performs her/his duties correctly and honestly, then the receiver will never be deprived of their fundamental rights". 🇮🇳

## Birthday Celebration of Prof. G. D. Yadav

Birthday of Prof. Yadav was celebrated on 14<sup>th</sup> September 2019 at MARJ campus. On this special day, he interacted with the ICT-MARJ family by video conferencing. He motivated the gathering for channelizing their energies in studies, research, and industrial training. 🇮🇳

*A great teacher is one who knows their students, motivates them, and helps them evolve. You are definitely one of the greatest. Thank you for all your guidance and all you have taught us. We wish you a happy birthday and many more to come.*

- ICT MARJ

## Swachhata Hi Seva- Campaign

On 14<sup>th</sup> September, both First and Second Year



• -M.Tech students participated in Plastic Ban Movement under "Swachhata Hi Seva" Campaign and cleaned the surroundings of Moti Lake, Jalna. Dr Manoj Jadhao took the lead along with other faculties in this Campaign. This activity was purposefully conducted on the next day of Ganapati idol immersion. We spread the importance of proper disposal of used teacups, soft drink bottles and cartons of packed food materials. The second cleaning activity was organized on 30<sup>th</sup> September 2019 in association with the Jivanrao Pare High School Chandanzira, Jalna. The main purpose of this rally was to disseminate the message of segregating the household waste to prevent mosquito breeding; not to litter and spit on roads; and improving public and personal hygiene. The students from both the institutes were indulged in cleaning several areas in Chandanzira, Jalna. 🇮🇳



## Pranamy Freshers Day at Marj



The first Freshers Day, named as “Pranamy” which means greetings, was celebrated at ICT-MARJ on 14<sup>th</sup> September 2019. Second year students exuberantly worked hard. The presence of Director Prof. Lele and other faculty members invigorated the students’ enthusiasm. After a short introduction of the program by the Cultural Secretary, the new entrants entertained the gathering with their dancing and singing. The first year students had a Bollywood theme attire. The participants for Mr. and Ms. Fresher were selected by the second year batch and Prof. Lele assessed the final talent round for the selection of Mr. and Ms. Fresher. The Pranamy was concluded with a DJ night. 🎉

## Jalna Half Marathon Participation

*If you want to run, run a mile.*

*If you want to experience a different life, run a marathon.*

**- EMIL ZATPEK (OLYMPIC WINNER)**

Jalna Fun-Runners Foundation organized “Half Marathon” in Jalna on 10<sup>th</sup> November 2019. This marathon was organized under the guidance of Dr. Sanjay Ambekar (Ambekar Hospital, Jalna) who has the experience of nearly 100 national and international marathons.

This event was sponsored by Kalash Seeds Pvt. Ltd and other local sponsors. Marathon was divided into 5 km and 21 km categories. Mr. Sandeep Haral (Research Scholar) participated in 21 km marathon. First year i-M. Tech students Aditya Samdani, Manan Modi, Darshan Munot, Unmesh Thorve, Piyusha Warde, Shreya Yeole, Vaishnavi Deshmukh and second year student Harshal Kasat participated in 5 km marathon run. 🎉

## Interview Session with VC Prof. Pandit on his Birthday

Dr. Ritika Joshi conducted a short interview session of newly appointed Vice Chancellor, Prof. A. B. Pandit on 7<sup>th</sup> December 2019 to mark his 62<sup>nd</sup> birthday. This interview was taken by him to get the young minds familiarized with his professional life. At the outset a short poem was recited for him.

आयुष्याच्या आकाशात,  
वग असेही दादुन येती.  
कधी सुखांची हलकी रिमझीम  
कधी दुःख घनदाट बरसती,  
सुख दुःखांचे थंड हे सारे,  
स्वच्छंद झेळत रहा...  
आयुष्याची आव्हाने सारी  
अशीच पेन्नत रहा....!



Later, the answers to a few questions asked to him provided a panoramic view about his school memories, favourite school teacher, memories about his stay at Cambridge, his professional role model and how Prof. J. B. Joshi impacted him professionally. Additionally, he also guided the budding research scholars. For instance- he talked about how to tackle setbacks and adverse situations while pursuing doctoral research. More importantly, he advised the faculty to stay focussed to assess and plan assignments well in advance for proper time management and have a more productive outcome. He insisted on two ways of handling assignments: first is to finish off the job at hand which we dislike and then converge all the energy for the assignments that we like or vice-versa. Precisely, he emphasized on increasing the happiness quotient for all (students, teachers, and admin staff) because a happy mind and heart can always accomplish its motives more diligently and effectively.

Dr. Ritika Joshi concluded the interview with the vote of thanks. 🎉



Glimpses



Interview of Prof. Lele, appeared in Diwali Issue 2019 of Marathi Magazine Udhyogini, dedicated to women entrepreneurs.

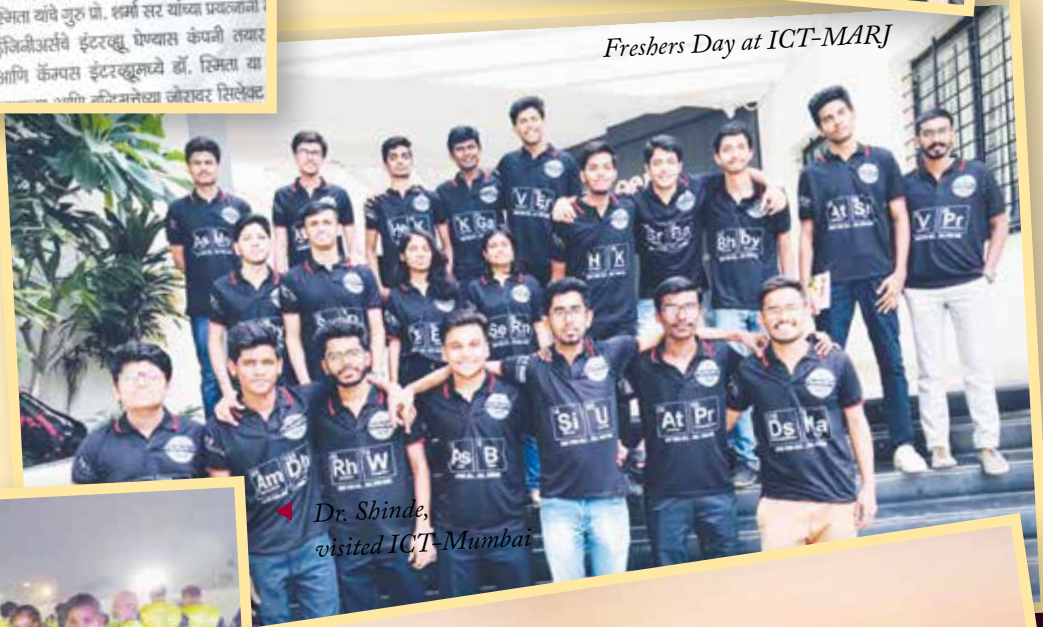
Jalna Marathon



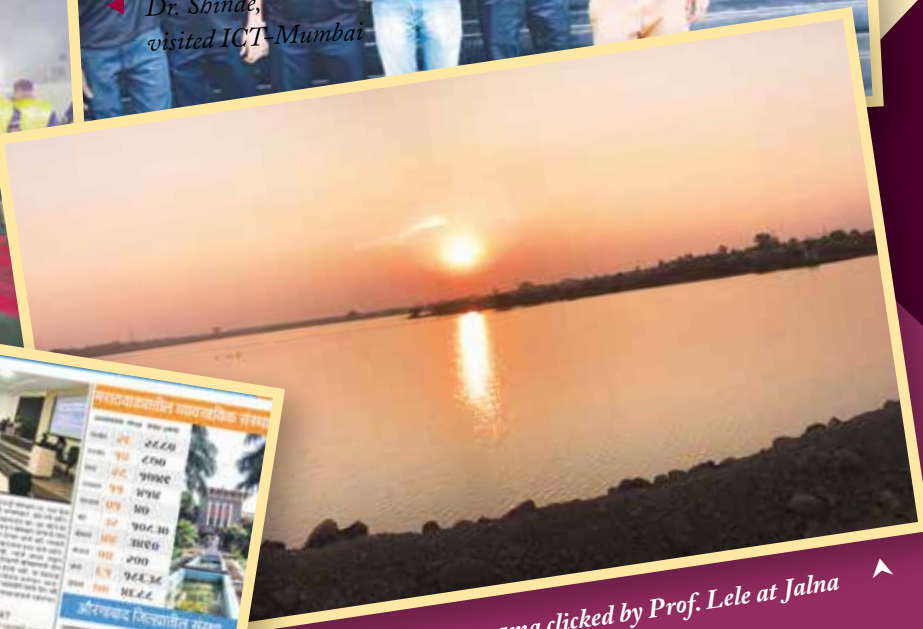
GDY Sir Birthday Celebration



Freshers Day at ICT-MARJ



Dr. Shinde, visited ICT-Mumbai



Moti Talav- Panorama clicked by Prof. Lele at Jalna

Dr. Girish Joshi ▶  
while receiving  
Maharashtra Academy of  
Sciences Fellow Award



▲ Freshers Day ▼



◀ Prof. Joshi and  
Prof. Pandit  
at Marj

