



DIRECTORATE OF TECHNICAL EDUCATION MAHARASHTRA STATE

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Appeal to Contribute

DTE Newsletter Editorial Board requests all its Regional Offices and various Technical Institutes to send their latest information and photographs of the events, activities and achievements of their students, faculty and institute for publication in DTE Newsletter on e-mail id: desk17@dtmaharashtra.gov.in

Best Wishes for Happy Retirement

Shri. Mahesh D. Shivankar, basically a Mechanical Engineer, joined Govt. service in 1990 after few years of work experience in private sector. Worked on various positions like Lecturer at GP Jalna, HOD at GP Bandra, Mumbai and thereafter in administrative cadre as Dy Secretary of RBTE at Aurangabad and Nagpur & In charge Joint Director at RO Aurangabad. Was on deputation to Rajasthan State as MD of Rajasthan Knowledge Corporation Ltd Jaipur for promoting IT literacy and was felicitated by Hon. CM for this contribution. Retired as Dy Director from DTE, Mumbai on 31st December 2021.



INAUGURATION OF MAHARASHTRA STATE FACULTY DEVELOPMENT ACADEMY (MSFDA) AT PUNE

The Department of Higher and Technical Education has established Maharashtra State Faculty Development Academy (MSFDA) under Section 8 of Companies Act, 2013 to impart training to the faculty of Higher and Technical Education Institutions of Maharashtra. The Vision of MSFDA is "Transforming higher educational landscape, through continuous professional development of teachers in Higher Education Institutes (HEIs) of Maharashtra".

MSFDA is in a unique position to influence reforms in the higher education as envisaged by the NEP 2020 by engaging with and motivating the faculty. The focus of trainings and the USP of MSFDA will be development of holistic learning and overall development as a human being. This will be critical for societal change.

USP and Approach of MSFDA

MSFDA will focus on training, incorporating the following key principles and approaches emanating from NEP 2020.

- ❖ **Experiential learning, creativity and innovation:** The faculty will be encouraged to adopt pedagogies that promote discovery, questioning and experiential learning by the students. This approach, which is also being focused in school education, will enable development of creative individuals who are intelligent, confident, and sensitive and are able to address problems.
- ❖ **Learning beyond knowledge:** Besides academic excellence and knowledge of latest advancement in respective disciplines, the trainings will underline that the purpose of higher education is much beyond accumulation of knowledge and employability. Knowledge can lead to intelligence, but by itself is not intelligence. The educators will



The dream project has been inaugurated at the auspicious hands of Hon. Ajit Pawar, Dy. Chief Minister in Presence of Hon. Uday Samant, Higher and Technical Education Minister, Hon. Aditya Thackrey, Environment Minister, Hon. Neelam Gorhe, Dy. Chairman- (Vidhan Parishad) Maharashtra Legislative Council, Hon. Girish Bapat, Member of Parliament-Pune etc. on 25th Dec 2021 at Pune.

Hon. Vikas Rastogi, Principal Secretary- Higher and Technical Education dept, M.S., Hon. Nipun Vinayak, Director- RUSA and Executive Director (M.S.F.D.A.) graced the function. Dr. Dhanraj Mane, Director- Higher Education, Dr. Abhay Wagh, Director- Technical Education and Dr. Vinod Mohitkar, Director- M.S.B.T.E., Mumbai were present on the dais.

DIRECTOR'S MESSAGE



Dr. Abhay Wagh
Director, Technical Education, MS

The COVID-19 pandemic has disrupted education all over the World. We are continuously working during the COVID-19 pandemic to continue to deliver quality education through online mode. Technology played and continues to play an essential role to deliver

education. The directorate of technical education has given much more attention to how technical education will enhance teaching and learning in a blended learning environment.

The aim of technical education is not just the acquisition of knowledge but the holistic development of the students along with the development of both cognitive and soft skills. The directorate of technical education focuses on quality education and learning outcomes. An integrated yet flexible and liberal approach in technical education has been adopted and have implemented through an array of different disciplines that includes newly started disciplines such as Artificial Intelligence, Automation and Robotics, Cloud Computing and Big Data, etc. Many experiments and pilot studies have been undertaken to improve the quality of technical education. The directorate of technical education aims to enhance engineering education by providing students with an opportunity to learn about technology and engineering globally. Strengthening the resilience of technical education systems enables students to respond to the immediate challenges of industry and positions them to better cope with future crises.

Sustainable progress should build upon experiences with the widespread use of technology to ensure learning continuity after the pandemic. After the COVID-19 pandemic Directorate of technical education aims to strengthen the resilience of technical education systems for sustainable development. Technical education guarantees good learning outcomes. We have become better at teaching/learning in an online environment.

To mitigate the potentially devastating consequences of the COVID-19 pandemic faculties and stakeholders are encouraged to improve quality education, ensure strong leadership and coordination; and enhance consultation and communication mechanisms. After the COVID-19 pandemic, technical education has emerged as one of the

great tools of modern education.

New Education Policy has been founded on the guiding goals of Access, Equity, Quality, Affordability, and accountability. NEP is transformative and consistent with India's traditions and value systems.

Massive efforts were made in a short time to enhance the technical education system. E-content of 74 subjects of diploma Engineering has been designed by MSBTE and now it is made available on MSBTE'S website. PPTs, Study material, assessment videos of this E-content are accessible on the same link. E-content of rest of the subject has developed at Institute level. All Polytechnics of Maharashtra State are using E-content enthusiastically. Considering, a disaster like Covid-19 Pandemic in the future, we need to reimagine, accelerate, design, and develop a strong and resilient education system.

Amendments have been made in curricula as per the needs of the industry. Industry Expert appointed on curriculum designing committee for the continuous up-gradation of the Curriculum. While designing the curriculum, the opinions of more than 100 industry experts have been taken. Keeping in mind, the needs and opportunities in the future, new disciplines have started such as Artificial Intelligence, Automation and Robotics, Cloud Computing and Big Data, etc. These courses are available both at Diploma and Degree level. Realizing, the importance of conceptual learning Micro-projects have been made mandatory from the first year to the final year of Diploma Engineering. Outcome base I-Scheme has been implemented. To provide skilled manpower to the industry across the globe, almost 2.5 lakh students are being taught the modern and outcome-based curriculum all over the State.

After the completion of the 4th-semester, internship of 6 weeks is mandatory. during Covid-19 Pandemic, in the Academic year, 2020-21 and Academic year 2021-22 78,832 and 69,770 students completed online internships respectively. To develop, the spirit of entrepreneurship, Incubation Centres have been established. We are encouraging students for industry training. DTE is arranging training programs of Adani Thermal Power, Mercedes Benz, Siemens, Mahindra & Mahindra, L&T to train the faculties. DTE has signed MOU in conjunction with reputed multinational companies such as Tata, NASSCOM, Infosys for the training of teachers and students.

DTE is exploring teacher competency. To make learning more impactful, teachers are being trained at the same

Inauguration of Maharashtra State Faculty Development Academy (MSFDA) At Pune

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be nudged towards appreciating this fact, so that they assume the right roles within the overarching purpose of 'learning'. The HEIs will be encouraged to promote a congenial learning environment, which is free from fear and promotes critical thinking, discussion and co-learning among teachers and students.

- ❖ **Multidisciplinary Education:** A multidisciplinary approach will be promoted. The HEIs will be encouraged to recognize and promote creative arts at par with science and management subjects. Also, the training will promote integration with vocational education as envisaged in the NEP 2020 and work towards correcting the social status hierarchy associated with vocational education.
- ❖ **Scientific and rational thinking:** The NEP 2020 envisions discovery-based style of learning with emphasis on scientific method and critical thinking. Article 51 of the Constitution inter alia mentions that it shall be the fundamental duty of every citizen to develop scientific temper, humanism and spirit of enquiry and reform. MSFDA will promote training which is focused on rational thinking.
- ❖ **Networking with practitioners, expert institutions, HEIs:** Recognizing the strength and importance of experiential and hands-on learning, the MSFDA will work as a collaborative institute that will not only provide training to faculty, but will also serve as a facilitative platform to connect the HEIs with best practicing individuals, practitioners, institutions, and resources.
- ❖ **Diversity and inclusion:** The NEP 2020 has identified limited access and limited teaching in local language as a constraint to achieving the purpose of higher education. It envisions increased access, equity and inclusion in higher education by creating greater opportunities. The MSFDA will promote diversity and inclusion as a non-negotiable fundamental principle in all aspects of higher education. The training accordingly, will focus on sensitising faculty towards this aspect and skilling them with comprehensive understanding of diversity and inclusion and also providing them

time we enable them to fight challenges posed by covid-19, in particular, delivering the knowledge. Teachers are still central to learning even, or rather, especially in an environment rich with technology. To give, high-quality professional education, faculties will be trained. In context to training, New Education Policy 2020 has made provisions of teachers Training and hence Maharashtra State Faculty Development Academy (MSFDA) has been established at Pune. Along with teachers, non-teaching staff will also be trained. Almost one lakh teachers will be trained at different stages who are delicately engaged in sharing knowledge, through 4500 educational institutes and colleges working under the DTE and DHE.

Under the (CSR) program Infosys has designed more than 3900 online courses on various topics. To get access to these courses, free of cost for all students of higher and technical education the Department of Higher & Technical Education has signed an MOU in conjunction with Infosys. Almost 40 lakh students along with one lakh faculties will be benefited from these courses. Furthermore, Infosys will actively cooperate and guide professionally, in particular, the teachers of Government Engineering College Ratnagiri and Government College of Science Nagpur, in order to improve the quality of teaching. Infosys will also cooperate for the overall development of the students. The certificate will be given after the completion of the course.

These initiatives would have only been possible because of the visionary leadership of Shri. Uday Samantji, Minister of Higher and Technical Education Department, Maharashtra, and Shri. Vikas Rastogi, Principal Secretary of Higher and Technical Education, Maharashtra. DTE will continue to offer Outcome Based Education courses to improve quality education and accredit the best quality technical Institute. DTE hopes that, Students, Parents, Institutions, Industry and other stakeholders will cooperate, coordinate and collaborate.

Dr. Abhay Wagh
Director
Technical Education, M.S.

with appropriate frameworks to implement in their respective institutions.

There will be six Centres in MSFDA to carry out trainings/work in their respective areas. Each Centre will be managed by a **Centre Coordinator** assisted by an Administrative Assistant. The six Centres are:

(a) **Centre for Multi-disciplinary curriculum & pedagogy:** This Centre will carry out trainings in learning opportunities with a multi-disciplinary approach. In line with the NEP, 2020, the Centre will enable institutions and faculty to provide open, creative, and critical learning opportunities by inter-connecting various streams of arts and science. It will plan and execute trainings and modules in multi-disciplinary curriculum & pedagogy and build capacity of the faculty and institutions to be able to conduct such courses and adopt such pedagogy in their institution. The Centre will focus on development and promotion of creative IT based tools to promote experiential learning as part of pedagogy.

(b) **Centre for Leadership Development:** This Centre will focus on training of senior faculty of HEIs who are in leadership positions or are likely to assume leadership positions. The various aspects of NEP, 2020 will be discussed with them and they will be motivated to translate the policy features into actuality within their institutions. Modules on ethical leadership will be held in collaboration with expert organizations. The Centre will also work towards development of leadership traits in students.

(c) **Centre for Inclusion & Diversity:** This Centre will sensitize the faculty, students and HEIs to diversity and inclusion as a non-negotiable value. It will operate as a cross-cutting theme and design and plan training programmes to encourage HEIs to build a conducive environment for students from diverse backgrounds to be able to access and enroll in their courses. It will also network with specialized organisations/individuals to enrich the trainings in this field.

(d) **Centre for Innovation & Cutting-edge technology:** This Centre will foster innovation culture in HEIs. It will develop tools and methodologies to nurture innovation, incubation and entrepreneurial ecosystem and impart trainings in this field. It will focus on research and analysis and strengthen the participant's understanding as an entrepreneur, leader

and/or explorer in new fields and ideas. It will also focus on contemporary development in the various subject domains. In the disruptive age the shelf life of skills is reduced drastically. The Centre will develop creative interventions to impart future ready skills for bridging the skill gap.

(e) **Centre for Resources:** This Centre will be developed as a studio hosting a library, an audio-visual room, a performance space with required technical and other resources and provision for regular updating of resources like books, journals, periodicals, films, audio files, etc. It will endeavor to become a one-stop Centre for information pertaining to best online/offline resources. It will tie up and compile the existing resources/ online platforms for guidance of trainees/students who will visit the Centre. It will be an active space that will hosts events, debates / discussions, shows, film screenings, musicals, readings, exhibitions etc. for not only the faculty but also the students, thus also becoming a hub for traditional, modern, digital and other forms of creative expression.

(f) **Centre for Networking:** This Centre will build a strong network of academicians, practitioners, organisations and institutions that can bring in expertise that is best desired for education of young people. It will act as a platform to allow sharing and exchange of latest development in terms of thought, skill, technology in various arts and science streams as well as learning pedagogy. This Centre will, thus, support other Centres as well as HEIs for designing of appropriate modules and courses. It will take lead in creating opportunities and avenues for student internships, fellowships, apprenticeship, placements and any other form of association to learn and practice by-hand on the field.

• **MSFDA Equity Structure**

| Sr.No. | Share Holder | % Share |
|--------|---|---------|
| 1. | Maharashtra State (Higher and Technical Department) | 40 % |
| 2. | Maharashtra State Board of Technical Education (MSBTE) | 05 % |
| 3. | Non-Agriculture Universities in Maharashtra State | 40 % |
| 4. | Industries in Education, Educational Institutions, Business Houses/NGOs, etc. | 05 % |
| 5. | Companies contributing through CSR initiatives | 10 % |

Industrial Success Story

Mandar's mission is to leverage his 29 years of global corporate experience to bridge the Industry-Academia skills gap, to provide a diverse outlook to enable students & professionals to be future-ready and employable, to make use of his leadership skills to provide



Mandar Katkar
Co-Founder and Director
Gurukeylli Consulting Services LLP

consulting & mentoring services to the ecosystem.

Mandar is a decisive, dependable, collaborative, and result-focused professional with a passion for building global careers for students and professionals, and has mentored many. Today, he is a Co-founder and Director of Gurukeylli Consulting Services LLP.

Mandar completed his Secondary School Certificate (SSC) and Higher Secondary School Certificate (HSC) from Solapur. Mandar is a Merit rank Holder for HSC. He earned a Bachelor of Engineering (BE) from Walchand College of Engineering, Sangli (Shivaji University) with distinction. Getting selected at Tata Engineering and Locomotive Company (TELCO then and now Tata Motors) from campus was a dream come true moment. Looking back, it was the foundation for his progressive and rewarding Industrial Journey.

After initial years at Tata Motors, Pune, Mandar was deputed to Tata Technologies, Singapore. His diverse industrial experience covers working for product and service-focused companies, a joint venture, a start-up, and multi-national companies. He planned his career meticulously and followed through with his career plan in a time-bounded and outcome-driven manner.

While working for IBM, he performed multiple leadership roles. He has a wide Corporate experience in Mergers & Acquisitions, Enterprise Transformation, Software Development, Consulting Services & Support, Capability & Skills Building, Talent & People Management, Change Management, University Relations. He worked with clients & partners across domains, geographies, and cultures.

He is certified by American Production & Inventory Control Society (APICS) and by SAP. He worked on varied technologies, packaged solutions. He is keeping pace with emerging industry trends.

Mandar was instrumental in setting up Professional /Consulting Services teams, Incubation of the Offshore

/Global Delivery Center. He is respected for - his skills in the areas of talent management, career development, creativity for utilizing teams of varied sizes, driving cross-organization collaboration, large transformation initiatives, evangelizing key skill enablement & development programs, driving process simplification, efficiency, and effectiveness. Mandar visited ~ 20 countries and worked for ~8 years in Singapore and for 4+ years in Australia.

Education System – Then and Now -The education system in India has seen rapid changes in recent decades. It is transforming very fast. Reflecting on it, here is Mandar's point of view. The internet has changed the way students consume the learning material and interact with the faculty. The digitization of learning material and its accessibility over the internet has evolved. The learning has shifted to fast-paced, experimental, and application-based. The emergence of self-paced learning followed by blended learning is posing new challenges and opportunities to the education system as compared to face-to-face classroom-style learning.

The biggest reform according to Mandar includes acceleration in Industry-academia connect, progressive alignment to emerging technologies, increasing awareness among faculty regarding the change in their role towards students, global career aspirations among students, and supportive, open-minded parents. Together, these factors are making positive impact on the education system.

Mandar's transformation from student to industrial person, and from Industrial person to groom self into leadership positions

After completing the Bachelor of Engineering from Sangli, the biggest challenge in front of Mandar was to make a decision between higher studies and becoming employable. He opted to take up a full-time job and continued learning part-time. Mandar volunteered for the stretched projects during his engineering, participated in industry-focused competitions to increase his exposure. He availed of internship opportunities to enhance his skills and networking. He diligently increased his value proposition to become industry-ready.

Throughout his career, he kept his skills relevant through technology & leadership programs including Executive Leadership programs with Wharton University and Cornell University. He has the distinction of being credited with many Professional awards such as the Eminence and Excellence Award, Top Contributor Award,

Software (Lab) Services Award, The Best People Manager Award. He holds the merit of being – Speaker at IBM Events and Partner Led Programs.

Global outlook, growth mindset, client centricity, the ability to tap and grow talent, to build and leverage partnerships, to stay relevant, and be outcome-driven while working on something that matters are some of the key success areas which enabled Mandar to grow into the leadership role.

The expectation of Industry from Educational System and Students The Industry's expectations from the students are simple and straightforward – The students must have solid Fundamental Core skills (basics right!), carry the relevant big picture, able to apply gained knowledge, be willing to continuously learn to stay relevant, a right mindset, and integrity. The faculty and the parents are critical elements of the educational ecosystem. The faculty and the students are the true ambassadors of the institute and must make every effort to stay relevant to the industry.

Gurukeylli Consulting Services LLP (Gurukeylli) is formed with a purpose to bridge the Industry-Academia skills gap, to enable students & professionals to be future-ready and employable, to provide consulting & mentoring services to the ecosystem. To provide Consulting Services; Gurukeylli focuses on 6 key personas of the skill ecosystem namely; Students, Faculty, Institutes (Universities, Colleges, Schools), Professionals, Organisations (Industry), and Parents/Guardians. Gurukeylli's consulting involves building awareness and skills through 4 major programs - 1) Career Consulting and Mentoring 2) Build Unique Value Proposition 3) Build Understanding & Ability to converse 4) Build a foundation for Career Advancements. These programs are designed to cater the individual career needs, strengths, personality traits, aspirations, industry trends. In a process, Gurukeylli complement the faculty, and aims to build skills among them too. Gurukeylli's courses are consumable, interactive, cost-effective, and outcome-driven. Both of them conduct the above programs personally giving the direct benefit of their experience to the Education Ecosystem.

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Inauguration of New course - Artificial Intelligence and Machine Learning

In continuation with policy of All India Council of Technical Education and with vision of keeping in tune with advanced technology, Government Polytechnic, Aurangabad has started new course on Artificial Intelligence and Machine Learning for AY 2021-22.

The inauguration and student welcoming ceremony took place by Shri. Umesh T Nagdeve, I/c JD Regional Office, Aurangabad on 10th Feb 2022 in presence of Mrs. Madhuri Ganorkar, Principal of Government Polytechnic Aurangabad, Mr. D. S. Sonwane Head of Artificial Intelligence and Machine Learning and staff.

Main focus behind this is to make the advance technology areas available to students along with necessary practical skills needed in industrial sector today. Another aim is to professionally develop the existing faculties in the emerging areas of the technology. According to Mrs. Madhuri Ganorkar, Principal of Government Polytechnic Aurangabad and Mr. D. S. Sonwane Head of Artificial Intelligence and Machine Learning, Introduction of this new course will make the students more technology oriented and armed with necessary operating skills and cognitive level competencies. Future operational areas and job functions in industry and practical sector will be comprising of multi disciplinary and computer based platform, hence, introduction of this course will be catering the needs and shall make students more ready for future jobs on Plug and play basis. Another aspect is development of faculties. For this, Institute shall be arranging training and help from agencies MSBTE, AICTE. There shall be guidance, active participation of reputed industries in Aurangabad and from Maharashtra for practical conduct of this course.



The inauguration ceremony of diploma course on Artificial Intelligence and Machine Learning takes place by Shri. Umesh T Nagdeve I/c JD Regional Office Aurangabad on 10th Feb 2022 in presence of Mrs. Madhuri Ganorkar, Principal of Government Polytechnic Aurangabad, Mr. D. S. Sonwane Head of Artificial Intelligence and Machine Learning and staff.

Government Polytechnic Nagpur signed 10 MoU with Mentee Beneficiary Technical Institutes

India's skill development ecosystem is the backbone of tomorrow's workforce. The need of the hour is to implement the Outcome Based Education and it is essential for the Technical Institutions to achieve NBA accreditation in near future. In this context, Government Polytechnic Nagpur has been approved as a MENTOR INSTITUTE of AICTE New Delhi for NBA accreditation of 10 Mentee Beneficiary Technical Institutes (MBI) in the region. AICTE has approved grant of Rs. 45 Lakhs for the same. This Margdarshan initiative will be helpful for facilitating the technical institutions in order to improve the quality of technical as a whole. GP Nagpur will do handholding of 10 MBIs with an objective to mentor institutes in achieving the NBA accreditation and assisting the MBIs to enhance Quality Mandate, better employability with wider acceptance of engineering graduates across the globe and Global exchange and mutual recognition at international level.

The MOU was exchanged between GP Nagpur and 10 MBIs, at the auspicious hands of Dr. M. B. Daigavane, Principal Government Polytechnic Nagpur and Principal of respective MBIs in presence of Dr. G. K. Awari, HOD, Automobile Engineering, Chief Coordinator of Mentor institute and Lead coordinators from MBI. This MOU defines the framework for future cooperation between GP Nagpur and MBIs, in order to achieve the NBA Accreditation to various programmes of MBI. Principal/Director of respective institutes Dr. C. S. Thorat, Prof. S. M. Bang, Dr. Vinod Gorantiwar, Dr. P. S. Kadu, Dr. V.G. Arajpure, Dr. S. A. Chavan, Prof. S. N. Pilare, Prof. S.E. Thombrey, Prof. S. W. Balbudhe, Prof. N. U. Daharwal were present during the MOU Exchange ceremony.



Dr Abhay Wagh Director Technical Education Maharashtra congratulated all as this MoU will pave the

way for great synergy between Mentor Institute -MBI and deriving the benefits to the students and staff of MBIs. He wished that MOU will serve the purpose of developing and up skilling, re skilling plans to address aspirations of MBI and develop the outcome based pedagogy and curriculum in the respective institutes. Dr. G. K. Awari, informed that this agreement will allow all the organizations to contribute to improved coordination amongst the institutions under the ambit of AICTE Margdarshan scheme and also to ensure timely exchange of skills desired for the institutions. The Mentor Institute has set forth and shares the best institutional practices that aim to motivate the MBIs to achieve self-improvement by showcasing, conducting Faculty Development Program (FDP) /workshop.



Society for Inclusive Education (SIE) is a student led initiative managed and supported by Edunet, that seeks to provide ubiquitous high quality learning opportunities to underserved communities through government and private schools/colleges around India. The Institute has set up a chapter of Society for Inclusive Education on its campus. This chapter makes Edunet programs available to local underserved institutions and/or student communities through community work, classroom sessions, fund raisers to purchase equipment and free learning platforms. Under this program, the member students receive training as well as Industry Exposure. To help students learn better and facilitate online learning, they are given Laptops. This event was held in Training and Placement Office of Government College of Engineering Karad in the presence of Tech Saksham Representative and TPO.

MSME Entrepreneurship Development workshop Organised by Government Polytechnic Nagpur

Organizations must make significant investments in skilling, re-skilling, and up-skilling programs to keep up with the rapid adoption of digital technologies and to bridge workforce and industry gaps. At the one hand India is renowned for its pool of talent while at the other, employers lament the fact that many graduates lack necessary skills of the changing workplace. To address this gap Government polytechnic Nagpur organized MSME Entrepreneurship Development Workshop for final year students of the institute on 26th & 27th Nov. 2021. The workshop was organized on virtual in collaboration with SWS Global Foundation. Around 80 students registered for this program. Dr. M. B. Daigvane Joint Director RO, Nagpur & Principal Government Polytechnic Nagpur addressed young entrepreneurs about the significant role of young entrepreneurs towards the developing economy of the country. Mr. Y. S. Baghel Asst. Director Government of India Ministry of Micro, Small & Medium Enterprises (MSME) briefed the opportunities and informed about the guidance & identification of government scheme for entrepreneurship development. On the second day of workshop Mr. Manish Khairkar MSME consultant for Business highlighted on Impot/Export logistics policeis. Mr. Sanjay Bhure, Manufacturing consultant & trainer of MSME discussed about organizational behavior with 6S. During question-answer session participants asked their doubts about emerging entrepreneurs. E-Certificate were issued to all participants at the end of the program. Mr. Akshat Uike Lecturer in Computer Engineering coordinated the program under the supervision of Dr. M. V. Sarode, Training and Placement officer, G P Nagpur and Head of department computer engineering.



Mr. Y. S. Baghel Asst. Director, Government of India Ministry of MSME addressing participants

Inauguration of foundation stone ceremony of Auditorium Building at Government Polytechnic, Awasari Khurd

Inauguration of foundation stone ceremony of Auditorium Building on 05/09/2021 by the auspicious hands of Hon. Shri. Sharadchandraji Pawar, Member of Parliament and in presence of dignitaries Hon. Shri. Dilip Walse-Patil (Home Minister), Hon. Shri. Udayji Samant (Minister, Higher & Technical Education), Hon. Shri. Balasaheb Thorat (Minister-Revenue), Hon. Shri. Balasaheb Patil (Minister Co-operation Department), Hon. Shri. Prajaktaji Tanpure (Minister of State – H & TE), Hon. Shri. Sanjay Raut (M.P.), Hon. Shri. Vikaschandra Rastogi (Principal Secretary, H & TE), Hon. Dr. Abhay Wagh (Director-DTE), Hon. Dr. D. V. Jadhav (Joint Director, RO Pune). This proposed building has been designed with total seating capacity of 1023 and having an area of 3000 sqm. Total estimated cost of above building is Rs. 1495/- Lakhs. This auditorium building will be used by Government Polytechnic, Awasari and Government College of Engineering and Research, Awasari (Khurd). On this occasion Hon. Shri. Udayaji Samant (Minister, Higher & Technical Education), Hon. Dr. Abhay Wagh (Director, Directorate of Technical Education) and Hon. Dr. D. V. Jadhav (Joint Director, R.O.Pune) visited the campus and guided faculties and staff.



Student welcome and Interaction Program organised by VJTI Mumbai



Maharashtra Government decided to reopen the school and colleges from 20th October 2021. Hon'ble Shri. Udayji Samant Minister of Higher and Technical Education, Maharashtra welcomed and interacted with the students present on VJTI campus and through interactive video conference with the students all over Maharashtra. Dr. Abhay Wagh, Director of Technical Education, Maharashtra briefed on the initiatives of the DTE.

Hon'ble Shri. Udayji Samant, Minister Higher and Technical Education, M.S., Dr. Abhay Wagh, Director of Technical Education M.S., Shri. Pramod Naik, Joint Director of Technical Education M.S., Shri Amay Ghole, Corporate F/N ward, Wadala, and Treasurer, Yuvasena, Dr. Anirudha Pandit, Vice Chancellor of Institute of Chemical Technology, Dr. Dhiren Patel, Director of Veermata Jjabai Technological Institute (VJTI), Dr. Sunil Bhirud, Dy. Director of Veermata Jjabai Technological Institute (VJTI) were present for this interactive program and Principals, faculty and Students were joined from all over Maharashtra through Video conferencing



MSIHMCT signed MoU with MTDC for Centre of Excellence

The Maharashtra State Institute of Hotel Management and Catering Technology (MSIHMCT) has recently signed a Memorandum of Understanding with the Maharashtra Tourism Development Corporation (MTDC) to establish centre of excellence to create trained skilled man power for MTDC resources across Maharashtra. The Memorandum of Understanding was signed in presence of Hon. Chief Minister on 17th Aug 2021 for a period of 5 years. The institute will be entrusted with training the employees of MTDC and therefore ensuring that the highest standards of professionalism are extended to all the guests that shall be welcomed at any MTDC resort across the state. It is a very great responsibility and at the same time a sense of accomplishment of being a part of this great States efforts in reviewing tourism and hospitality in these times of uncertainty.



Over the years this Institute has also created associations with various organizations from hospitality industry and other sectors. Some of them are leading National and International Companies with the institute shares a Centre of Excellence for training entry level employees as well as for providing skilled manpower:

- 1) Rich Graviss Products Pvt. Ltd. is a joint venture company between M/s Rich Products Corporation (USA) and Graviss Foods Pvt. Ltd. (India) who are first-ever and the largest-selling non-dairy whip topping of the country. Rich's produces a wide range of products for both the bakery as well as the food service segments. The Memorandum of

Understanding with Rich Graviss Products Pvt. Ltd. is with regards to conduct of training programmes for creating skilled personnel for the bakery industry at large.

- 2) Sodexo A French Company that provides Hospitality service solutions. Sodexo India provides a bouquet of 100+ service offerings to various corporates, healthcare organisations, manufacturing locations and schools and universities. The solutions include food and catering, facilities management, technical services, workplace experience, energy management and benefits and rewards services. The Memorandum of Understanding with Sodexo is with regards to conduct of training programmes for creating skilled entry level manpower for the employees of Sodexo.

Other Organisations with which the Institute shares a Memorandum of Understanding are

- 1) deAsra Foundation : a not for profit company started by Dr. Anand Deshpande, Founder, Chairman and MD of Persistent Systems who contribute to social welfare by enabling entrepreneurship, which would in turn create employment opportunities. To do this, they offer a platform using which, setting up, managing and growing a business is made simple and entrepreneur friendly through a broad array of support services. The Memorandum of Understanding with deAsra Foundation is with regards to Building entrepreneurial Cell and related Activities
- 2) Nandi Foundation - Mahindra's CSR Youth Employability Initiative Naandi is a Public Charitable Trust. Born out of the idea of creating a professionally run organization, managed by eminent business leaders as Trustees, Naandi is expected to serve as a new experiment in the socio-development sector of India. The Memorandum of Understanding with Nandi Foundation is to build employability Skills amongst the students. Every year 3 months work shop is conducted by their professional faculty for our final year students.
- 3) Rational International India Private Limited – is a German innovative solutions provider and manufacturers of cooking systems for professional

kitchens. The Memorandum of Understanding with Rational International India Pvt. Ltd. is regarding using their state of the art equipment at no cost and allowing them to showcase their product to the Industry, by conducting sessions with both Industry owners and senior employees. They also conduct “Academy Rational”, a work shop which enables our students to be familiar with latest technology

Inauguration ceremony of extended Building of Government College of Engineering and Research, Avasari



Inauguration ceremony of extended Building of Government College of Engineering and Research, Avasari Khurd was held on 05/09/2021. Program was inaugurated by Hon'ble Shri Sharad Chandraji Pawar (Rajya Sabha Member and President Nationalist Congress Party) The program was presided over by Hon'ble Shri Dilipraoji Walse Patil (Home Minister, State of Maharashtra) On the occasion of inauguration, the chief guest were Hon'ble Shri Balasaheb Thorat. Hon'ble Shri Udayji Samant (Minister of Higher and Technical Education). Hon'ble Shri Sanjay Raut (Member of Parliament). Dr. Abhay Wagh, Director, Directorate of Technical Education, Dr. D. V. Jadhav Joint Director, DTE Regional Office Pune were present. The program was presided over by Hon'ble Shri Dilipraoji Walse Patil (Home Minister, State of Maharashtra) On the occasion of inauguration, the chief guest were Hon'ble Shri Balasaheb Thorat and Hon'ble Shri Udayji Samant (Minister of Higher and Technical Education, M.S.)

Inauguration of computer center under CSR activity with "Mold 3DX" Software at Government Polytechnic Nashik

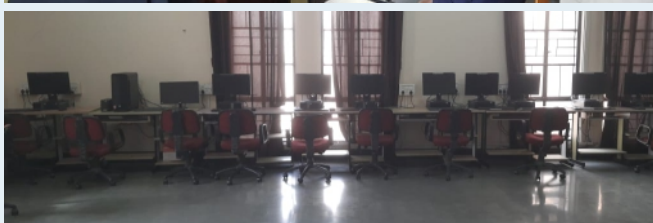
Government Polytechnic, Nashik Polymer Technology department modernized computer center under CSR activity with "Mold 3DX" Software of cost 10 Lakh is donated by CoreTech Ltd. Taiwan and inaugurated by Hon'ble Dr. Abhay Wagh, Director, Directorate of Technical Education M.S. dated on 29th Dec 2021.

During inauguration speech Hon'ble Director said " This software will definitely help in enhancing technical skill of diploma polymer technology students for their professional career. "

He appealed the representative of " Core Tech Ltd "at the function to extent support and co-operation in enhancing skill of students and faculties of G. P. Nashik. Dr. Abhay Wagh appreciated efforts of Dr. Abhijit Palsodkar, HoD Polymer Engg. and his team for this industrial partnership.



From Left: Dr. S. A. Chopde, Lecturer, Plastic Engineering, Hon. Dr. Abhay Wagh, Director Technical Education, Maharashtra State, Shri. Pravin Kurne. CoreTech Ltd. Taiwan Representative, Shri D. P. Nathe, Principal GP Nashik & I/c Joint Director, Nashik region, Dr. Abhijit D. Palsodkar, HoD Plastic Engineering



One Week ATAL FDP at Government College of Pharmacy, Karad

National level Online One Week ATAL Faculty Development Programme (FDP) on "NEP 2020: Managing Change in Organizations" in elementary and advanced mode was successfully organized by the Government College of Pharmacy, Karad sponsored by the AICTE TRAINING & LEARNING ACADEMY (ATAL) during 23th August to 27th August 2021 and 20th September to 24th September 2021 respectively.

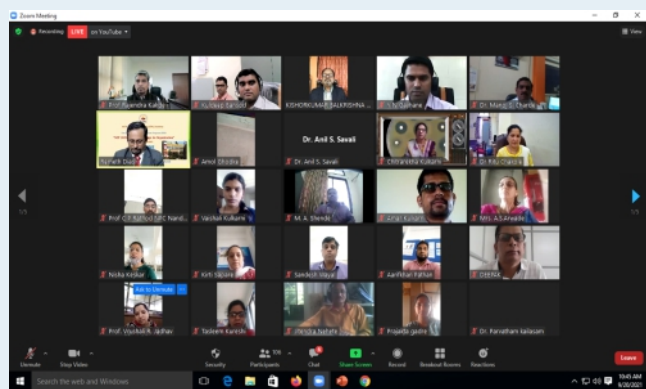
The main objective of this one-week faculty development programs was to acquaint the participants with the change management strategies for effective implementation of NEP 2020. The FDP mainly addressed multidisciplinary approaches in the organization; use of effective teaching practices in the teaching-learning process for achieving maximal learning outcomes by students; implement reforms in examinations, research, innovations & social inclusion and apply strategies for enhancing employability and entrepreneurship.

Dr. Abhay Wagh, Director DTE, M. S. was Hon. Patron for the FDP while Chief Guest Prof. Dr. Rajendra Kakde, Advisor, AICTE, New Delhi inaugurated the FDP. Speaking on this occasion, he said that this FDP will fulfill the objectives of spreading the awareness and empower the participants in successful implementation of NEP 2020. Dr. Kishor Burade, Principal, Government College of Pharmacy, Karad and convener of the organizing committee, added that this FDP was specially designed to train and motivate the faculty members from various, universities, engineering and pharmacy colleges around the nation. Dr. Remeth Dias, Head of Pharmacy Department and Chief Coordinator of the program in his welcome address emphasized that this FDP will be unique in empowering teachers with change management strategies in the implementation of National Education Policy 2020 in their organizations.

The key resource persons, who addressed participants participating in the FDP were Dr. Atmaram P. Pawar, Principal, Bharati Vidyapeeth's Poona College of Pharmacy, Pune, Dr. Soni Agrawal, Associate Professor, International Management Institute, Kolkata, Dr. Ganesh Rao, Director, PCET's Pune Business School, Pune, Dr. Mahesh Burande Director, Institute of Pharmaceutical Education & Research, Pune, Dr. Pratima Khandelwal, Founder, FlyHigh Educational Excellence Services, Bengaluru, Dr. Sanjula Baboota, Professor, School of Pharmaceutical Education and Research, Jamia Hamdard,

New Delhi, Dr. Hetal Gaglani, Assistant Professor, Datta Meghe Institute of Management & Sciences, Nagpur, Mr. Sachin Kumbhoje, Founder & CEO, OpEx Accelerator Pvt. Ltd., Kolhapur, Dr. Kuldeep Bansod, Lecturer, Government College of Pharmacy, Karad, and many others from all over the nation.

The total 200 participants participated in each FDP from the different states of the nation and provided positive and excellent feedback about the topics covered, quality of sessions, organization and timely help to them. All the teaching and non-teaching faculty were instrumental in successful organization of this FDP.



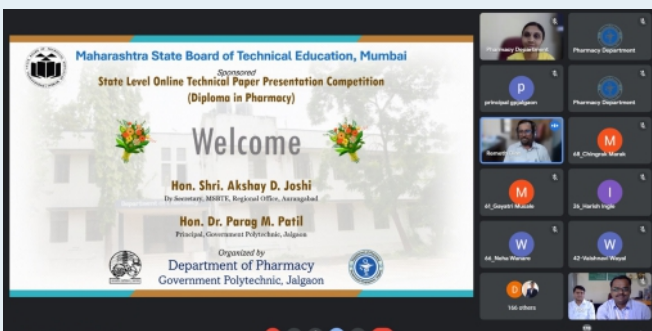
A Joint Initiative for MOOCS by IIT Bombay and Government Polytechnic, Nashik

A one-day ICT-based pilot workshop on “Open PLC with LD Micro” using the Spoken Tutorial MOOCS method was conducted in online mode by the Department of Electronics and Telecommunication, Government Polytechnic Nashik. This workshop was a part of the activity to promote the use of spoken tutorials for Polytechnic faculty members and students.

This workshop was organized on 16th December 2021. Prof. D.P. Nathe, I/c Joint Director Nashik Region, and Principal Government Polytechnic, Nashik motivated to organize this workshop activity. The workshop was inaugurated at hands of Dr. Kannan M. Moudgalya, the Principal Investigator(PI) of the Spoken Tutorial project. Prof. Nathe addressed the faculty in the Nashik region and discussed the objectives of the workshop. Ms. Nancy Varkey, Senior Project Manager, E-learning Content, IIT Bombay presented the outline of the workshop. Shri Rajesh Kushalkar worked as a coordinator from IIT, Bombay. The workshop on Open PLC commenced with the introduction of the use of the Side-by-side method. Open PLC is an open-source platform used for building various projects. Open PLC consists of both a physical programmable circuit board or microcontroller and software, IDE (Integrated Development Environment) that runs on the computer. It helps a novice learn and experiment with PLCs at basically no cost. The workshop was coordinated by Dr. Prerana V. Rathod, Head of Department, Shri Prasad D. Deshpande, and Shri Vinod P. Tayade, Lecturer, Department of Electronics and Telecommunication, Government Polytechnic, Nashik. Faculty members of Government Polytechnics in the Nashik Region that is Nashik, Jalgaon, Dhule, Ahmednagar, and Nandurbar participated in this workshop. Faculty members of different engineering disciplines in the region participated in this one-day workshop and were trained in Open PLC programming.

MSBTE sponsored State Level Online Technical Paper Presentation Competition

Department of Pharmacy, Government Polytechnic, Jalgaon has organised MSBTE sponsored State Level Online Technical Paper Presentation Competition for Diploma Pharmacy Students on “Pharmacy: Always Trusted for Your Health” on 04th December 2021. The program was inaugurated by Mr. Akshay Joshi, Deputy Secretary, Regional office, Aurangabad and Dr. Parag M. Patil, Principal, Government Polytechnic, Jalgaon. Around 40 teams from various diploma pharmacy institutes have participated in this competition. The team of Krishna College of Pharmacy, Karad won the first prize. This competition was successfully conducted by Dr. Prashant Aragade as a Chief coordinator and Mr. Sunil E. Gaikwad as a Program coordinator.



FDP on 'Developing Soft Skills in Professional Career' at Government Polytechnic Beed

One day workshop for Faculties and students on 'Developing Soft Skills in Professional Career' was held on November 18, 2021 at Government Polytechnic Beed, in conjunction with Gurukeylli. Mr. Mandar Katkar, Co-founder of Gurukeylli, is entrusted with the noble mission of honing the industry oriented soft skills in the diploma Engineering students. Government Polytechnic Beed is keenly focusing on overall development of the students and fully dedicated in making industry oriented students. Now a days, the education and market scenario is changing very fast. A decade ago, individuals with brilliant academic records were well sought after by the corporate. But today hard skills and experience are not sufficient enough for the ingress and escalation in the corporate world. Industry prefer those persons who are resourceful, ethical, self-motivated, self-directed, with good communication skills.



Recognizing the importance of soft skills and the need of the industry in hiring the manpower, Government Polytechnic Beed is much concerns about building up soft skills among the students. The collaborative partnership is, thus, initiated to mutually and more effectively promote the development of the soft skills, understanding industry and corporate systems. Moreover, as a leading institution, Government Polytechnic Beed, is strongly determined to produce skilled and talented Diploma holder Engineers. Gurukeylli has hereby agreed to develop soft skills, set career goals, appropriate academic policies, support and cooperate in providing relevant expert lectures, & speakers in the fields of studies.

The MOU is signed between Government Polytechnic Beed and Gurukeylli. Dr. M. R. Lohokare, Principal Government Polytechnic Beed, chaired the ceremony.

Mr. Mandar Katkar, Co-founder and Director of Gurukeylli Consulting Services LLP, Mrs. Vaishali Katkar, Co-founder and Director of Gurukeylli Consulting Services LLP signed and interacted with faculties and delivered online expert lecture on developing soft skills for the First Year Diploma students. On this occasion Dr. A. K. Wghmare, HoD, department of Mechanical Engineering, Mr. A.S. Jadhav, I/c HoD Printing Technology shared the dais. Prof. P. D. Nathe, Lecturer in Printing Technology, Prof. P. B. Gavde Lecturer in Electronics & Communication worked as steering committee of program, Prof. S. S. Sirsat, Lecturer in English, Prof. S. H. Pawar, Lecturer in Chemistry, Prof. C. K. Dulgunde Lecturer in Mathematics coordinate the programme for students. Prof. V. B. Dhokne, Lecturer in English, anchored the ceremony and Mr. P. B. Gavde expressed the vote of thanks. 35 Faculties were present and over 200 students were both online and offline presented enthusiastically and participated actively.



A "Future skill technology" on "3D printing and design" AICTE ATAL online FDP took place from 29th Nov. to 3rd Dec 2021 in the virtual mode (WebEx platform). The program was organized by Department of Metallurgy and Materials Science, College of Engineering, Pune and sponsored by AICTE ATAL, New Delhi. Inauguration of the AICTE ATAL online FDP was held on 29th Nov 2021, in presence of the Chief Guest. Dr. Guruprasad Rao, Director and Mentor, Imaginarium, Prof. B.B Ahuja, Officiating Director COEP, Prof. S. P. Butee HoD and other faculties and participants from other institutions. The course was designed to impart knowledge and skills related to 3D printing technologies, selection of materials and equipment's, and develop a product using this technique. 130 participants across the nation had participated in the FDP.



Inauguration of Skill Development Center in Kikvi village by College of Engineering Pune

COEP, under the Unnat Bharat Abhiyan (UBA) intends to set up Skill Development Centres (SDCs) at the 6 different villages from nearby regions adopted by the institute. The UBA team will be providing vocational training to the youth from these villages making them skillful to undertake various jobs like plumbing, carpentry, masonry, electrician etc.

One such SDC was set up at Kikwi village in Bhor Taluka near Pune city which was inaugurated by Prof. B. B. Ahuja on 8th October 2021 at Chatrapati Shivaji school, Kikvi in presence of the other members of the UBA and UMA team at COEP and the villagers.

The institute donated 10 desktops (written off by Computer Engineering dept. at COEP) to this SDC aiming to develop computer literacy amongst the youth at the Kikwi village.



Inter disciplinary research center visit in GCOE Chandrapur

Government College of Engineering Chandrapur, affiliated to Gondwana university Gadchiroli has sent a proposal for Recognition of Institution for “Center for Higher Learning, Research and specialized studies in Inter-disciplinary Study” regarding this Honorable Vice Chancellor, Gondwana University Gadchiroli has appointed a committee.

This committee visited the Institute on 01.12.2021. Dr. S. B. Rewatkar, Dean, Faculty of Science and Technology, Gondwana university Gadchiroli was the chairman of this committee. Dr. S. G. Akojwar, I/C Principal, Government College of Engineering Chandrapur welcome all the committee members and Dr. D. K. Maghade, HoD Instrumentation Engineering Department presented the facilities and infrastructure available in the Institute and in Department of Instrumentation Engineering for the recognition of Institution as center for Higher Learning, Research and Specialized Studies in Inter Disciplinary Studies in Instrumentation, Electronics & Telecommunication, Electrical, and Mechanical Engg at Government College of Engineering, Chandrapur.



NBA Committee visited for evaluation of Computer Engineering Program of the Government Polytechnic, Awasari Khurd on 25/09/2021 and 26/09/2021. The Competent authority of National Board of Accreditation has approved the accreditation to Computer Engineering program for three years (From Academic year 2021-22 to 2023-2024).

Inauguration of the state-of-the-art laboratory “Hella Frugal Innovation Laboratory” at College of Engineering Pune

The “Hella Frugal Innovation Laboratory” is yet another exemplary establishment at College of Engineering, Pune that is proving as temple of knowledge for the budding engineers. The worth of the said lab is about Rs. 70 lakhs which is generously supported by HELLA India Automotive Pvt. Ltd.



The inauguration of the lab was held on 14th October 2021 at the Department of Electrical Engineering, COEP in the presence of Dr. Navin Gautum, Managing Director of HELLA India Automotive Pvt. Ltd., Mr. Rajkumar Bharatan, Head advance Engineering, HELLA India Automotive Pvt. Ltd., Mr. Sandesh Karimbingal, Managing Director, Behr-Hella Thermocontrol India Private Limited (BHTC); Mr. Anirudh Barve, BROSE; Prof. B.B. Ahuja, Officiating Director, COEP; Prof. M. S. Sutaone, Deputy Director; Dr. Sanjay Dambhare, HOD, Dept. of Electrical Engineering; Dr. (Mrs.) Meera Murali, Faculty Coordinator for the said Industry Institute collaboration.

The said collaboration has been supported by two other industries namely Behr-Hella Thermocontrol India Private Limited (BHTC), BROSE along with HELLA India Automotive Pvt. Ltd.



As a part of the collaboration the experts from the above three companies will be teaching the following three courses to the PG students selected by these companies from various disciplines like Electrical Engineering,

Electronics & Telecommunication Engineering, Instrumentation and Control Engineering, Mechatronics, robotics & Artificial Intelligence.

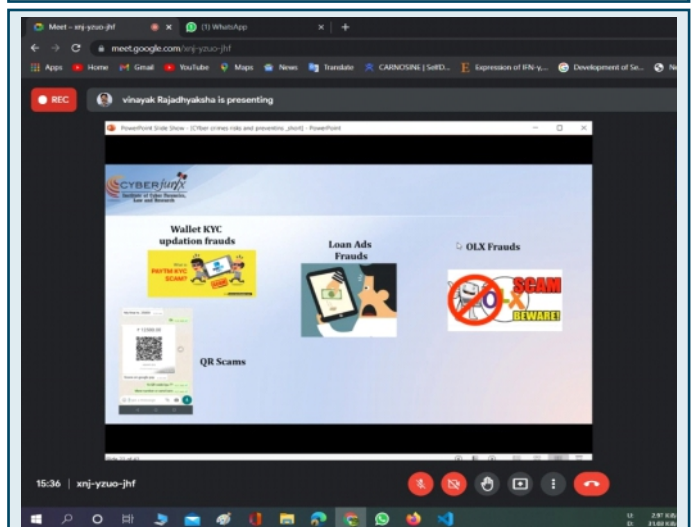
The courses taught by the industry experts are as below

1. Automotive Product Development
2. Automotive Hardware Development
3. Automotive Software Development

The said collaboration highly intends towards making the students industry ready and increasing the employability of the Post Graduate students. The students are given training and hands on experience to work on the live project based on the prevailing industry problems from the first year of their Post-Graduation itself. Which, in turn reduced the training period required to train the students when taken on board in the industry.



Expert Lecture given by Mrs. Collaco Blossom from USA on “Job opportunities for Pharmacist in abroad” at Pravara Rural College of Pharmacy (Diploma-Aided) Pravaranagar in presence of Mr. Dattatray Gayake, Dr. Vishal Tambe and Mr. Amol Balsane.



Webinar on “Cyber Crime,Cyber Law and Awareness “ conducted on 24.9.2021 for Computer Engineering and Information Technology students by Eminent speaker Shri Vinanay P Rajadsiyak, Institute of Cyber Forensics Law and Research,Cyber Jurlix, Sangli, Maharashtra. Beneficery Count-100. Event Coordinator – Smt. Ammbika V Mithapalli (Lecturer in Information Technology).