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18

HANDS-ON LEARNING

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REDISCOVERING 'PRINT'

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ROMANCING PRINT AT AHMEDNAGAR

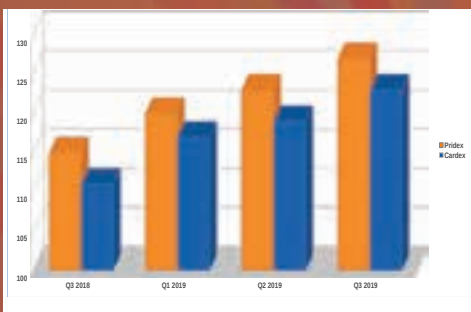
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FLAWLESS PRINT WORKFLOW

Marking two decades of Prinergy Workflow operations, Kodak and Pressman Solutions presented a knowledge-sharing seminar with support from BMPA.

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FROM THE PRESIDENTS' DESK

Dear industry colleagues,

The general election would have put out the verdict by the time this issue reaches across to you. By then we might be fixed with the next most anticipated event – monsoons and the general economy! So let's wish for a benevolent monsoon.

Under that oscillation, of consistently having to expect and deliver, we will move on to a hyper Drupa blitzkrieg and its extravaganza. What would the Landas of graphic arts and print-package manufacturing industry have in store for us? Would artificial intelligence deal a blow to the shop floor workplace? After all, that's exactly what industry standard 4.0 and Internet of things is about.

The footprint of digital, the Landa prophecy, is steadily and increasingly realised. Some traditional printers are genuinely reporting better business outcomes on the backbone of a well-planned and diversified mix between digital and analogue. Observe the paring of words – its first digital and then analogue. That all and more can be the new fixation in the proverbial 21st year of this 21st century. Some of you would want to counter whether it is 20th or the 21st? Well then - it is precisely to add to the conundrum and a list of fixations we mention it that way. But now without a solution. Like a 21 series key solutions (remember Navneet?) – the answer lies in being best with the present. Certainly not in being still.

In the present, we now have all of PS19's talk shows on www.bmpa.org including BK Sister Shivani's discourse on Making Happy Workplaces and Dhanashree Rai Pandit and Sanjukta Wagh's much praised performance at Print Summit. Just as the month comes to a close, the AIFMP will hold its Governing Council meet in Chennai. One of the projects being actively conceived by the Federation is that of – Make Print Great (again). At the same time AIFMP would have refreshed its indices of CARDEX and PRIDEX with CRISIL. We trust you are factoring and leveraging these cost indices in your estimates and invoicing.

On June 8, there is to be a SaS talk on Cash Flow Management with makers of TimePay at the GIPT. To register and know more – reach out to <memberships@bmpa.org>. We reach out to you for new ideas and suggestions. Please freely share your Wish List with your association. It helps us deliver and improve our KPAs.

Nitin N. Shah

Tushar Dhote

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BMPA's empanelled consultants support Print Bulletin readers with up-to-date information regarding tax updates, FEMA, and labour laws.



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THE JOY OF REDISCOVERING 'PRINT'

A Appadurai, Country Manager for HP India, is an avid print business analyst – by profession and by liking too. He shared insights into rediscovering 'print' for profitability with digital.



Mr Appadurai and HP India Team interacted with over 30 participants of MMS Knowledge Sharing Workshop at MMS Training Centre in Mumbai on April 26, 2019.

The printing and packaging industry in India is facing severe commodification of its services. Businesses in this industry are trying innovative ideas to edge past peers. Value addition with a wide range of processes and services is making it big to some companies while others are successfully launching their brands and products in the market to attract customers. If one looks closely; however, a lot of this change here and globally is driven by the demands of the brands and their millennial, young customers who are in constant search for something new; something that carries a unique identity, without being terribly pricey.

For a brand-disloyal market

Interestingly, the number-cruncher-Appadurai shared some numbers about the millennial population in India. The young people are changing the buying pattern in the country. Over 65% of the population in India is below the age of 35 and half of that is under 25; this young generation constantly changes its demands. "They want everything now, they are buying in smaller quantities, they want everything in a new, uniquely personalised package," he added, "in such a market, digital is the only viable technology that will help the industry manage the small quantity jobs more efficiently or the large volume jobs that are driven by data variables.

At this point, Mr Appadurai shared

successful personalisation campaigns by mass-volume brands such as *Share A Coke* campaign or the Essel Propack's greenfield project in Assam where it chose digital printing as the choicest technology over the conventional, and the National Geographic's customised cover page incorporating customer photographs. Bringing home his point, Mr Appadurai said, "the young customers will not negotiate on the price; they would shift to something new. For instance, they would opt for a Cadbury chocolate for they offer personalised gifting."

Know your customer; an old adage

The conventional technologies undoubtedly drive volumes in the printing and packaging industry; however, they fall short of the dynamic abilities offered by the digital technology – be it variable-data-based personalisation, the sheer range of substrates it can handle, or the broader scope of volumes that can be effectively cost-effectively managed with this technology.



It is essential to know our customer's customer to be effective in business.

Once considered art and mastered by a select few, printing became a mass offering with the mechanisation of printing. And, that's where each player in the industry lost an edge because each business could deliver the same product with the same machine. Those who innovated different processes within the same technologies succeeded; however, profitability became

ever so challenging to achieve for the lack of consistent differentiation in the products and services offered by the members of the industry. "Digital is the future of printing because it will help you rediscover printing to create and offer innovative solutions for your customers," Mr Appadurai explained.

Highlighting the strengths of HP Indigo as a product and a technology platform, Mr Appadurai suggested that the printers could try digital as a technology complementing conventional technologies. Those jobs and customers who demand lower volumes, digital could be a sustainably profitable investment in the long-term. "Our liquid electrophotographic printing (LEP) technology enables printing on almost any substrate – paper or film, the thin-layer print enhances gloss and texture," he highlighted.

In a typical Appadurai-style, while highlighting the HP Indigo technology, he shared key business insights with the audience. "I am a south Indian guy, but I learned Gujarati, and I can fluently speak Punjabi. I learned these languages because my customers speak these languages," Mr Appadurai grabbed the attention of the audience by sharing his personal experience, and he

“Digital is the future of printing because it will help you rediscover printing to create and offer innovative solutions for your customers.”

added, "but it isn't enough any more. Now knowing your customer isn't enough; we must know the customer of our customer."

If the customer of our customer of printing and packaging industry is young, dynamic and ever demanding of newer and customised solutions, the brand managers, the marketers – the customers of our industry – will demand dynamic and impressive solutions. Also, we must

be able to provide such solutions not just once or twice, but again and again, with the same level of quality, consistency and innovation.

It is essential to know our customer's customer to be effective in the business – with this new success-mantra for the modern-day service-oriented business, Mr Appadurai brought home and perfectly tied together the discussion of digital technology and the future of printing industry before concluding his session, and leaving the audience with lots of information and business insights to think about and act upon in the future to make their business profitable.

Flint introduces thermal flat top dot plate

At a time when flexible packaging print quality is advancing rapidly with plate technologies such as flat top dots, specialised surfaces, and screening techniques, Flint Group recently introduced a new thermal, flat top dot plate, nyloflex® XFH Digital. The plate was developed specifically for the wide web flexible packaging printer and is the latest addition to the portfolio of thermal plates designed to perform optimally in the nyloflex® Xpress thermal processor.

The unique textured surface of nyloflex® XFH Digital plates requires no surface screening to produce beautiful, dense solids on flexible packaging and can be imaged at high speed at any resolution. Besides exceptional ink transfer which reduces pin holing, uniform vignettes with soft highlight-fades and even tones are effortlessly achieved. Combined with the nyloflex® Xpress thermal processing system which eliminates all solvent handling and plate drying time, plates will be ready for press – from imaging to finishing – in under one hour.

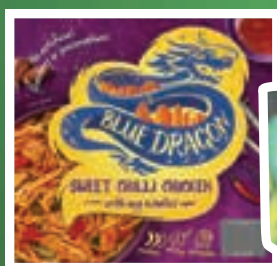
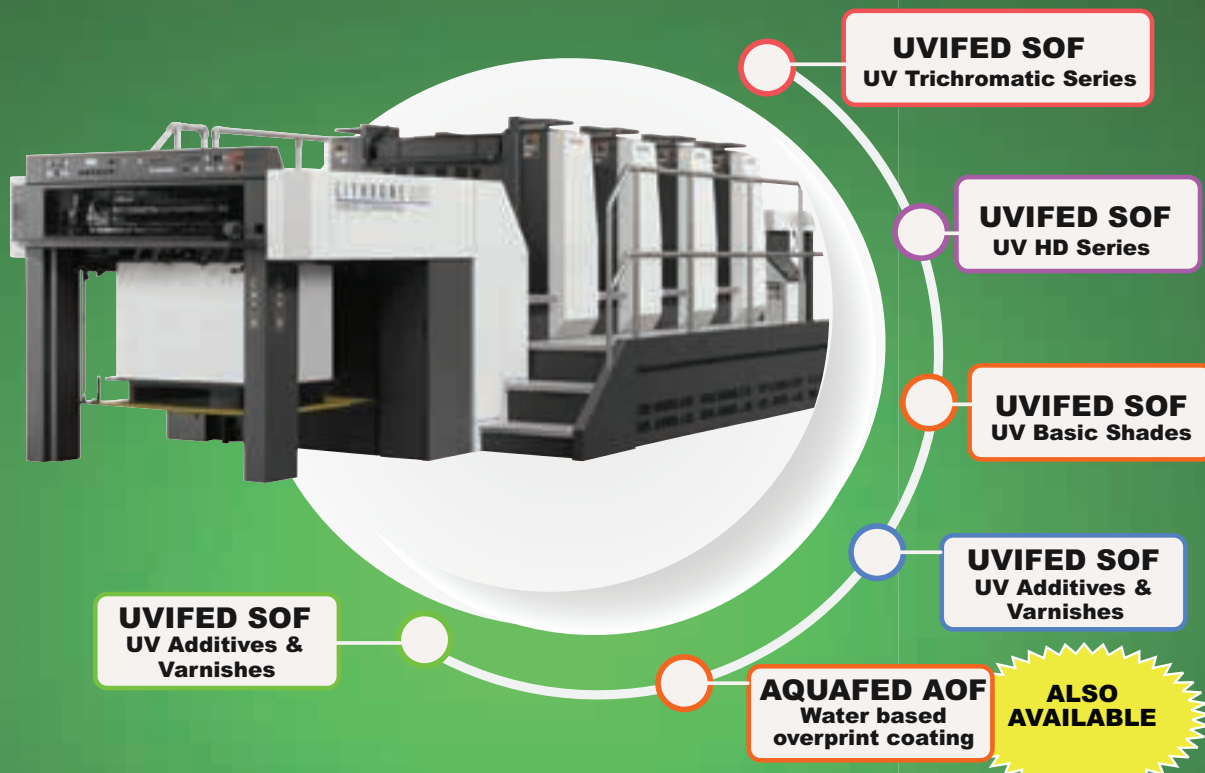
Plates may be exposed using any standard flexo plate exposure unit and imaged with any laser system suitable for imaging flexo printing plates. There are no additional consumable items or software required to attain the flat top dot structure and texture on the plate. nyloflex® XFH

Digital plates are specifically designed for the nyloflex® Xpress thermal processing system.

"Printers will especially appreciate the anti-ink fill (AIF) technology that we put into the XFH plates," explains P.J. Fronczkiewicz, Product Manager Flint Group Flexographic. "As a result, the plates stay much cleaner during printing, reducing stops and increasing press uptime, and they have outstanding solvent resistance which improves colour consistency over long runs. The superior resistance to solvent makes the plates more durable, which also contributes to our customers' sustainability efforts since they are able to reuse the plates in many instances – so it's a win-win option for them," he concludes.



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Flawless print workflow with Kodak and Pressman

Marking two decades of Prinergy Workflow operations, Kodak and Pressman Solutions presented a knowledge-sharing seminar with support from BMPA.

On April 19, Kodak organised a seminar in association with Chennai-based Pressman Solutions to shed light on print-ready files and unified workflow solutions for flawless pre-press solutions, for packaging, in particular. Michael Bialko, Worldwide Product Manager, Kodak Packaging Solutions, and K Panthala Selvan, Founder of Pressman Solutions interacted with the audience.

Play with your strengths

Kodak, with its experience of over 20 years of workflow management solutions development for the printing and packaging industry, knows how important it is to make these solutions easy-to-use and cost-effective for the industry to adopt them as the primary workflow management tools.

"We would like you to leverage your investment and skill sets of your people in Adobe Illustrator and Adobe Photoshop. Your operators know the two applications so they need no further training to be able to make edits to PDF files. Only the objects that need to be changed are converted to Illustrator native format, reducing the risk of an error during the conversion process," Mr Bialko highlighted the thought-process and the technological advantage of Kodak solution.

Kodak Insite: at the heart of seamless workflow management

Team Kodak also highlighted DigiCap technology and the IC3D software, that is aimed at offering 3D solutions for packaging. The IC3D is directly integrated into Insite Creative Workflow (ICW), a web-based solution that stores and organises elements including image and editorial content, job specifications for brand owners and packaging printers, and processes such as content development, revisions and approvals. This centrally located workflow management solution streamlines and efficiently channels the pre-press operations through multiple tasks and processes. "The Prinergy cloud offers 24/7 continuous monitoring, high availability and security. It consists of enabled-analytics for better decision making," said Bialko, underlining the advantages of Kodak's integrated solutions for the industry.

Plan from the beginning to finish at the podium

"A pre-press operation starts at the very stage a job is planned," said Mr Selvan, who focused the presentation on the key points for pre-press planning and designing operations. According to him the print production workflow should always begin with detailed planning and end with the quality control process. He cautioned the audience about the criticality of detailed planning and quality control. He said, "let us take a simple example of dot gain. A small one per cent dot gain on the plates translates into as high as five per cent dot gain on the press."



Michael Bialko, Worldwide Product Manager, Kodak Packaging Solutions, and K Panthala Selvan, Founder of Pressman Solutions interacted with the audience presenting the products and solutions for print-ready files and flawless workflow management for packaging. Image: PrintWeek India (3)

Through his presentation Mr Selvan shared the simple dos and don'ts of pre-press – saving files with just one name, use of licensed fonts, and the utility benefits of PDF/X3. "The depiction of information on the size and folds area is a good option as a backup, also, it is vital to ensure the compatibility of the job with the software version you are running it on," he added.

Mr Selvan also advised the audience to maintain a print specification list, carrying the basic information about the artwork, stock, inks, packaging/shipping and a record of finished files. In addition to it, he spoke about maintaining the right image quality, keeping track of colours and making changes in the image before importing them. Mr Selvan insisted that the operators use high-resolution and low-resolution image files appropriately. "I have often seen customers taking huge strides in designing the image, but in the end, they save the image in the bitmap format that deteriorates the image quality during print," added Selvan indicating the critical importance of saving the files in the right format appropriate for the application and the job.

Team Kodak also talked about the importance of data backup for the safety and long-term sustainability of data and flawless operations. The team suggested that printers maintain multiple mirror backups from various locations. "One should keep the data away from high-risk locations that may pose the risks – such as water logging, fire, electrical disruptions and more – to data storage," Team Kodak added, "Kodak has multiple data backups which are in stored different locations for each specific region, and we are coming up with one in India as well."

This knowledge-focused seminar was supported by BMPA who encouraged the Association members to participate in the seminar to benefit from the insights shared by the experts.

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The companies doing well in our industry are the ones coming up with innovative products designed to meet the needs of our customers in today's fast-paced digital world. They're not looking back to the way things were. They're looking forward to the way things have to be. And they're thriving. At PRINT® 19, you'll meet the creative minds behind some of these exciting new companies, and hear from speakers including Nicholas Thompson, editor-in-chief of *Wired* magazine, addressing the future of business. The discussion will be frank, honest, and maybe even uncomfortable. But it might also be exactly what you need to hear in order to survive. See you there.

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Greener, cleaner packaging in demand

Brand owners and converters drive packaging recycling growth as pressure increases from consumers, and regulatory concern says Smithers Pira.

Smithers Pira's latest market report *The Future of Recycled Packaging Markets to 2023* values the global recycled packaging materials used for packaging at \$136.5 billion in 2018; it is forecast to grow by 5.7% annually year-on-year during 2018–2023 to \$180.1 billion globally. This will see global recycled packaging materials consumption used for packaging amounted to rise from 188.7 million tonnes in 2018 and is forecast to grow 4.7% year-on-year annually during the same period to reach 237.2 million tonnes.

Good news for the paper-based packaging industry

It is forecast that in 2023 the recycled content of paperboard, metal and glass will remain about the same as currently since these are already mature and saturated recycling industries. In India, about 30 per cent paper is recycled; much lower compared to the advanced markets where paper recycling ranges between 45 and 73 per cent. However, India's paper manufacturing mills have successfully and consistently increased the share of

recycled paper as a part of the paper-making process. According to the *Discussion Paper On Collection And Recycling Of Waste Paper In India, 2011* published by the Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, Government of India, the share of waste paper used as raw material has increased from seven per cent in the 1970s to 47 per cent in 2011, substantially reducing the wood as raw input material.

| Year | Share in per cent | | |
|------|-------------------|--------------|-------------|
| | Wood | Agro residue | Waste paper |
| 1970 | 84 | 9 | 7 |
| 2000 | 39 | 31 | 30 |
| 2011 | 31 | 22 | 47 |

The increasingly 'greener' and environmentally sustainable manufacturing processes and the more significant potential of the sustainable circular paper economy makes the paper-based packaging a more preferred choice for not just brand owners and regulators, but also consumers.

Plastic packaging under the stringent scanner

The overall percentage of recycled content in plastic packaging is bound to increase as retail chains and brands commit to including more recycled content in their packs. Furthermore, governments in a number of countries have set stringent targets for higher recycled content to be incorporated into packaging over the five years to 2023, especially for plastics.

Major brand owners and large retail chains have announced sustainable packaging goals in response to growing public concern about the impact of waste packaging on the environment. These include measures to 1] eradicate burdensome or unnecessary single-use plastic packaging Improving designs to use less or more sustainable materials, and 2] making all plastic packaging reusable, recyclable or compostable, ensuring that packaging contains recycled



The increasingly 'greener' manufacturing processes and the more significant potential of the circular economy makes the paper-based packaging a preferred choice for brand owners, regulators and consumers. Image: by nutmarketca on Pixabay



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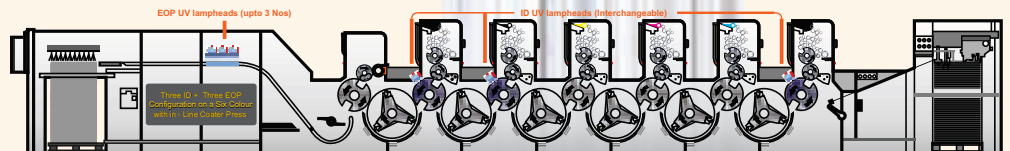


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materials. The European Union has also initiated a series of legislative packages and regulations that support the drive for greater use of recycled materials in packaging.

Consumer awareness is the key

Consumers are increasingly becoming aware of the sustainability practices that focus on end-of-life recycling, waste management issues, and beginning-of-life choices. Especially millennial consumers are far more connected with each other and discuss the pros and cons of a particular brand, a product, or a service. Consumers from various regions across the globe share different levels of sensitivity and awareness about environmental sustainability, and thereby, putting pressure on regulators and brand managers to deliver consistently enhanced sustainability policies and products and services. To that end in response to growing consumer and regulatory concern, brand owners and converters are starting to pay more attention to packaging that is designed to assist recycling.



The overall percentage of recycled content in plastic packaging is bound to increase as retail chains and brands commit to including more recycled content in their packs. Image: by Hans on Pixabay

Source: This article is based on news about The Future of Recycled Packaging Markets to 2023 published on <http://www.smitherspira.com/news> and Discussion Paper On Collection And Recycling Of Waste Paper In India, 2011 downloaded from Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, Government of India at <https://dipp.gov.in/discussion-paper-collection-and-recycling-waste-paper-india>.

Esko wins FTA Technical Innovation Award for Print Control Wizard

Esko, a global supplier of hardware and software for customers in the packaging, labels and wide format sectors, has won a prestigious Technical Innovation award at the Flexographic Technical Association (FTA) 2019 Awards for its Print Control Wizard software.

Developed by Esko in response to a call from the flexographic printing industry to simplify the implementation of screens and dot gain curves in the reprographic process, Print Control Wizard has a positive impact on a range of reprographic processes outputting a new screening algorithm to address a range of potential print issues.

Receiving the accolade at the FTA Forum Awards Banquet in New Orleans, Robert Bruce, Esko Product Manager, said: "We are delighted to be recognized by the FTA for our Print Control Wizard software development. We worked extensively with a number of customers, including

Sebastion Longo, President of Fotograbados Longo, who joined us on the evening, to ensure the new technology meets the needs of pre-press professionals around the world."

The Print Control Wizard application goes beyond excellent screening and outputs the right plate based on a range of print run parameters. Print Control Wizard managed plates deliver superior print quality and use screens and dot gain curves that take in to consideration the press, substrates, inks, anilox and other print run parameters. "Our customers confirm that Print Control Wizard delivers a new level of simplicity and yet achieves outstanding screening. The print results speak for themselves; plates last longer on press and deliver brilliant, consistent quality. This award from the FTA is great recognition for the Esko team and our customers that worked with us to develop the solution," adds, Mr Bruce.

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Information-rich labels with blockchain

Merging the physical world with digital information can make simple, printed food and drink packaging labels a lot more informative and substantially enhance brand value.



US-based superstore Walmart and one of Europe's largest retailers, Carrefour, have adopted blockchain in the last year to trace items from farm to shelf. In one pilot program, Walmart found that by using blockchain, mangos can be traced back to their source farm in 2.2 seconds; without the technology, it would have taken six days, 18 hours and 26 minutes to identify the farm. Image: by ElasticComputeFarm on Pixabay

Avery Dennison, a global leader in labels, recently announced a new original content series, authored by future forecasters, The Future Laboratory. The monthly online column, based on proprietary research, provides insights on global drivers, macro and micro trends and their impact on consumers, brands, and the label and packaging industry.

In the first release, the renowned forecaster considers blockchain as a way to make labelling data more robust, information transparency more accessible, and ultimately empower consumers about their purchasing decisions. "Product labels have many functions – be eye-catching and attract attention on the shelf is one, but perhaps the most important function is to inform consumers. Moreover, yet in recent years, the data on labels has left many wanting. Almost half (48%) of consumers feel that they do not know enough about a product despite reading the label (source: Label Insight)," said researchers at The Future Laboratory.

"As futureonauts, forecasters, and analysts of tomorrow, we seek out those places, portals, people, and processes

that allow us a glimpse at what could be when designers, scientists, packing creatives, and material specialists mix and merge talent with insight, the obvious, with the counter-intuitive. The team behind M_use, one of those platforms that we visit regularly, and Avery Dennison, sit within this category and culture," said Martin Raymond and Christopher Sanderson, Co-founders, The Future Laboratory.

How will blockchain upgrade labels?

Bitcoin has been a buzzword lately, especially in the financial news. The technology that powers and drives the cryptocurrencies like Bitcoin is blockchain. In simple words, it is a string or chain of multiple records that are linked to each other. Each record – the block, in blockchain lingo – carries a piece of cryptographic information about the previous block, a timestamp, and the transaction data. For example, record B linked to record A carries information cryptographically contained in record B. This unique quality of blockchain makes it easy to trace transactions from source to the latest



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transaction very easy and makes the blockchain resistant to malicious modification of the data.

As a distributed digital ledger, blockchain can offer transparency beyond the label. "...Unlike any other digital database, a blockchain entry cannot be changed once it is logged, giving it a high-trust value," the researchers said. Blockchain-enabled products offer designers a chance to create engaging, immersive packaging that encourages customers to delve beyond the label and into a brand new world of transparency.

Interestingly, flowchart representations of blockchain and supply chain management (SCM) are very similar – complex and dynamically connected. While these connections among 'records' make it easy for customers, manufacturers and brand managers to trace and track various products from source to consumers, via suppliers, contract manufacturers, storage and logistics channels,

What is blockchain?

By design, a blockchain is resistant to modification of the data. It is "an open, distributed ledger that can record transactions between two parties efficiently and in a verifiable and permanent way". For use as a distributed ledger, a blockchain is typically managed by a peer-to-peer network collectively adhering to a protocol for inter-node communication and validating new blocks.

Once recorded, the data in any given block cannot be altered retroactively without the alteration of all subsequent blocks, which requires a consensus of the network majority. Although blockchain records are not unalterable, blockchains may be considered secure by design and exemplify a distributed computing system with high Byzantine fault tolerance. Decentralised consensus has therefore been claimed with a blockchain.



Image: Tumisu on Pixabay Source: Wikipedia



When combined with emerging technologies, a product's labelling can empower consumers about their purchase decisions, offering new levels of transparency." Amy White, Vice President, Communications and Brand, Avery Dennison. Image: graphics.averydennison.com

manufacturing, assembly, storage, distribution, right up to the retail that reaches the consumer.

Empowering customers with blockchain-backed labels

SCM operations, combined with robust and advanced technology such as blockchain, can provide consumers with a lot more relevant information. Do you want to check if the mango you are about to pick up is from an organically managed orchards? You can trace its source with just a scan of a barcode on a mobile application. Are you worried if the fish you are about to buy has been harvested with sustainable practices and if the catch was certified for environmentally safe practices? You can do it in seconds, thanks to complete traceability offered by blockchain powering the product label. Blockchain-powered labels will not only add value by providing the consumers, the customers, and the end-users of your products and services but they will also ensure safety. Pharmaceutical companies, for example, will not only be able to deliver compliance information on their product packages and labels, but they will be able to make much information easily accessible to the patients using their drugs – information such as the correct way of administering the drug through videos and other multimedia, the research papers based on the development of the drug, patients will also be able to access and verify drug certifications.

Avery Dennison and The Future Laboratory

Avery Dennison is a global material science and manufacturing company specialising in the decks, which are used in nearly every major industry, include pressure-sensitive materials for sign and manufacture of a wide variety of labelling and functional materials. The company's product labels and graphics applications;

Scan the QR code to watch digital transformation and blockchain expert Jaspreet Bindra talk about the basic concept of blockchain and how blockchain can transform India.

tapes and other bonding solutions for industrial, medical and retail applications; tags, labels and embellishments for apparel; and radio-frequency identification (RFID) solutions serving retail apparel and other markets. Headquartered in Glendale, California, the company employs approximately 30,000 employees in more than 50 countries. Reported sales in 2018 were \$7.2 billion.

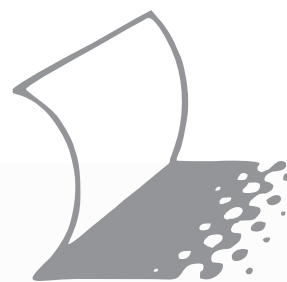
The Future Laboratory makes better futures happen for businesses. Our strategic foresight products and services empower businesses to make the right decisions, mitigate risks, and reduce uncertainty. While every business challenge is unique, our aim is the same: to make our clients feel more inspired, confident, and fit for the future.

"When combined with emerging technologies, a product's labelling can empower consumers about their purchase decisions, offering new levels of transparency," Amy White, Vice President, Communications and Brand, Avery Dennison, added, "as material science and technology pioneers, being up-to-date on these insights is essential." Blockchain and conventional printing technologies promise a cutting-edge future for brands and a worthy technological intervention that assures customers transparency through usable information sharing.

Source: This article is based on a press release by Avery Dennison and an article published at <https://www.my-muse.com/en/home/insights/future-lab-blockchain.html> and Wikipedia



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IMBIBING HANDS-ON LEA

Internship programmes help young students and professionals to understand the different facets from a practical lens than learning through classroom theory.

With the rapid evolution of demands from professionals and ever-changing technologies in the print industry, or rather any industry, it is mandatory for anyone to keep updated with the latest in the industry. The young working population, however, remains ignorant of these changes because the curriculum is restricted in imparting knowledge beyond the classroom theory. It is, therefore, responsibility and the need for the training institutes and the print businesses to encourage internships for freshers and young professionals so that the interns get hands-on learning experience.

Interns are generally eager to accept new challenges and showcase their abilities with an urge to experiment the acquired knowledge. What they lack, however, is the grooming required for a business working environment and the ability to sense and channelise their capabilities to suit the professional workplaces. The fact that companies and industries require skilled professionals is accurate, and that the concept of an internship is an extra inch of effort for them to train the going-to-be-professionals.

Transforming the raw mould into a sculpture

It is evident that sooner or later the young pass-outs from the printing institutes would become a part of the printing and packaging industry. Printing and packaging being a combination of technology, innovation, excellent technical skills and creativity, it is mandatory for the students to get a hands-on experience before they deal with actual machines and participate in the decision-making process. This allows students to face real-world challenges, and they can relate their theoretical knowledge while working, resulting in the two sources of knowledge – theory and practical to go in sync.

Government Institute of Printing Technology (GIPT),

Mumbai has been a pioneer as they started with the industrial training programme the year 1995-1996. "Immediately after we became an autonomous institute in 1995, we started the industrial training programme because an institute can offer knowledge of fundamental concepts and practicals are conducted on basic machines. It is not possible for the institutes to offer hands-on training and exposure to the latest and the cutting-edge technology without the support from the industry," says, Sameer Deshpande, Lecturer of Printing Technology at GIPT, Mumbai.

Before the students work in the industry and on machines, they need to know how things work – that is where the institutes educate them. However, it is through the training period that the students discover their inclination towards a particular specialisation or technology. Once they analyse their capabilities, they excel in a specific job, and this reflects when they work. Prasad B. Iyer, Head and Assistant Professor at the Department of Printing and Packaging Technology, SIES Graduate School of Technology, Navi Mumbai echoes the opinion of Sameer Deshpande. They both agree that the interns not only gain from the exposure to technology but also acquire a range of real-world business skills such as costing, budgeting, operational problem-solving, thinking on their feet, safety, and overall grooming including communication

skills. "It makes me happy and wonder how much the students change and evolve as professionals when they complete their industrial training," Mr Deshpande adds, "we have seen our students transform into well-groomed professionals year after year after, the industrial training experience."

Prof. Iyer also acknowledges the fact that when students come back from the internships, they have transformed, and this

can be seen through their confidence during interactions that reflect the experience gained during the internship period.

Interns must be considered as assets and not liabilities; they can be groomed to become good professional.



“One of the ways in which interns can engage themselves is through the National Apprenticeship Programme Scheme (NAPS) which is the new scheme of the government of India to promote apprenticeships,” says Lukman G., Chief Coordinator, DOT Institute of Graphic Communication.

Let us practise what we expect from our industry: being professional

For companies and industries, training the naïve interns is an investment of time and energy. A common complaint among the seniors of these industries is the time investment and receiving uncertain returns from them, which otherwise would have been utilised to expand their businesses. Moreover, despite the transformation the industrial training can bring to the lives of the interns, they are often seen as a liability by employer businesses rather than an asset.

On the one hand, when a business recruits a student it is an equal responsibility of the student to participate wholeheartedly, on the other hand, the companies need to support the fresh-graduates by focusing on soft-skills and training to utilise the theoretical knowledge in practicality an intern can be groomed into an excellent professional. After all, it is these professionals that are going to be working, supervising, managing and sometimes running the print businesses; therefore, it is also a duty of every business owner in the industry to train and groom interns in whatever capacity one can.

Another critical aspect of the industrial training and internships is the interaction between the industry and the printing and packaging technology institutes. It is crucial that the curriculum is reformed and updated with the latest technology and demands of the print industry.

Internship programmes keep the interns updated with the latest trends and demands of the printing and packaging industry.

Before entering into an actual business, students must familiarise themselves with these changing trends. “The industrial training includes understanding the operations and specifications, different types of substrates and properties, ethics and organisational structure. And, we monitor the progress of our students placed with the businesses. Our interactions with supervisors, business owners have helped us in enhancing the in-college teaching and improving and modernising the curriculum from time to time,” Prof Iyer underlines the importance of industry interaction.

Underlining the importance of industry-institute interaction, Mr Deshpande says, “feedback from the businesses helps us better understand the demands and the trends of the industry. Accordingly, we make changes in our curriculum; we introduce new topics, remove the obsolete ones, and modify our pedagogy to make it more relevant for the needs of the topics.” GIPT and many other institutes have welcome changes at their institutes to keep themselves and their students up-to-date. A lot of these institutes invite industry experts to deliver special lectures for their students to enhance the in-class learning experience.

Besides the interaction with the industry through industrial training programmes, Mr Deshpande shares the unique practice GIPT followed recently. “We celebrated the 2018 Teachers Day by visiting about 50 print and packaging businesses throughout Mumbai, Thane and Navi Mumbai. We visited in small groups of junior year students and staff members to express our gratitude

for the support they extend to the institute," he adds, "we not only received overwhelming response from the industry, but this interaction acted as an introduction to the world beyond the Institute for our students who are now looking forward to their industrial training with one of these businesses."

Hitting the nail on its head, Chief Coordinator at DOT Institute of Graphic Communication Lukman G.

says, "absolutely true that most businesses see interns and apprentices as liabilities, our industry particularly. I would say one thing to such businesses that you cannot expect one business entity to do everything the right way. And only an outsider can make you realise this. If we consider interns as an asset rather than a liability, they can help bring the theoretical and practical knowledge together to point out our weakness and strength."

Creating opportunities for budding professionals

Let us also not forget that the institutes are doing their best to make their students as industry-ready as possible. Highlighting the importance of a diverse teaching pattern that involves student initiatives like organising print and packaging festivals, Prof. Iyer says, "at SIES-GST, it is the students who work, from getting sponsorships, management, designing, planning and execution of the students' tech festival and the annual student publication." It is through such initiatives our students learn to manage things as professionals." This act of venturing and seeking knowledge through co-curricular initiatives acts as an excellent platform for students. It brushes their

Once the interns get hands-on learning experience, they are better able to relate their theory knowledge with the practical application, and acquire better problem-solving capabilities for the foray into workforce.

soft-skills, which is an absolute pre-requisite for any profession.

"One of the ways in which interns can engage themselves is through the National Apprenticeship Programme Scheme (NAPS) which is the new scheme of the government of India to promote apprenticeships." Mr Lukman elaborates, "the printers would have to register themselves after which the

intern data will be forwarded to them for the selection." It is essential to understand that one is not born as a professional; one needs to be groomed as a professional. There is always a start, a first time to do or experiment something. Here the industry must make the interns go through the grooming period before they can be expected to deliver on demanding and high-performance jobs and projects.

Passionate interns are filled with energy, a drive to compete and excel and are on board to take up challenges. One shall not let this energy go in waste, instead utilise for a good future for the industry as a whole. After the term ends, the students are acquainted with the primary knowledge, so they know the pre-requisites which the firms are looking for. Based on this, students can enhance their capabilities and keep on piling up more and more knowledge during the internship.

If this article has inspired you to recruit and support educational institutes and young students of printing and packaging technology, the following is the list of institutes from across India. Feel free to contact them with your proposal for taking in interns from these institutes.

| Contact person | Institute and address | Phone | Email |
|---|--|---|---|
| Principal | The Regional Institute of Printing Technology Raja Subodh Chandra Road, Jadavpur University Campus Area, Jadavpur, Kolkata 700032 WB | 033 2473 1432 | rip-tech@wb.nic.in |
| Nirmal Kanti Saha General Secretary | Regional Institute of Printing Technology Alumni Association 98/4, S.N. Banerjee Road, Kolkata 700014 WB | 8100 011 150 | #http://bit.ly/RIPTAjob |
| Soumen Basak Head of Department | Department of Printing Jadavpur University Salt Lake Campus, Plot No. 8, Salt Lake Bypass, LB Block, Sector 3, Salt Lake City, Kolkata 700098 WB | 033 2335 0408 033 2335 8523 9432 060 658 | hodprinting@jadavpuruniversity.in soumen.basak@ jadavpuruniversity.in |
| Vivek Singh Professor, Graphic Design | Northern Regional Institute of Printing Technology Teliarganj, Prayagraj (Allahabad) 211004 UP | 0532 2545 686 9307 445 727 9415 235 573 | viveksingh4@yahoo.co.in |
| The Head, Department of Printing Technology | Pusa Polytechnic, Government of India, Pusa, New Delhi 110012 | 011 2584 7822 011 2584 3070 011 2584 7822 | |
| Vivek Kumar Srivastava Head of Department, Department of Printing Technology | Government Polytechnic College, Makhupura, Nasirabad Road, Ajmer 305001 RJ | 0145 2695 195 | gpc.ajmer@rajasthan.gov.in |
| Arohit Goyat Department In-charge Department of Printing Technology | Guru Jambheshwar University of Science and Technology, Hisar 125001 HR | 01662 263 175 01662 263 338 | arohit@gjust.org |



SIES-GST's Impressions is organised exclusively by the print and packaging engineering students of the institute and it is received well by the students from across India. This act of venturing and seeking knowledge through co-curricular initiatives acts as an excellent platform for students. It brushes their soft-skills, which is an absolute pre-requisite for any profession.

| Contact person | Institute and address | Phone | Email |
|--|---|--|--|
| Fr Sajan M. George Principal | Bosco Society for Printing and Graphic Training Don Bosco Technical Institute, Okhla Road, New Delhi 110025 | 011 2691 0729 011 2683 9564 9810 157 244 | info@dbti.in |
| Dr Mohinder Singh Placement Officer | Kurukshetra University, Kurukshetra 136119 HR | 011744 238 891 9416143865 | kuk.placement@gmail.com kuk.placement@kuk.ac.in |
| Rama Murthy Chintalapati Head of Section (Lithography) | Government Institute of Printing Technology East Nehru Nagar, Marredpally, Secunderabad 500026 TG | 040 2773 0647 | gipt052@gmail.com |
| N. Sivaraman Placement Officer | Arasan Ganesan Polytechnic Virudhunagar Main Road, Anaikuttam PO, Amathur, Sivakasi 626130 TN | 04562 230 616 92457 89692 | agpc_po@yahoo.co.in |
| P. K. Ponnappa Principal | Institute of Printing Technology Rajiv Gandhi IT Expy, CIT Campus, Taramani, Chennai 600113 TN | 044 2254 1110 | iptdote102@yahoo.com |
| Fr John Christy, SDB Rector, Secretary and Manager | SIGA Polytechnic College 49, Taylors Road, Kilpauk, Chennai 600010 TN | 044 2642 4204 | collegeoffice@sigaindia.com principal@sigaindia.com |
| M. Dhanesh Head of Department, Department of Printing Technology | Dr T.M.A. Pai Polytechnic M.I.T. Campus, Eshwar Nagar, Manipal 576104 KA | 0820 2570 021 0820 2925 721 | manipal.polytech@gmail.com tmappolytech@hotmail.com |
| Anoop RM Head of Section | Institute of Printing Technology and Government Polytechnic College Shoranur, Palakkad 679122 KL | 0466 2220 450 | polyshoranur@gmail.com |
| Dr TKS. LakshmiPriya Professor and Head of Department of Printing Technology | Avinashilingam Institute for Home Science and Higher Education for Women Ayya Avinashilingam Nagar, Varapalayam, Thadagam Post, Coimbatore 641108 TN | 0422 2988 897 0422 2658 145 9940163309 | tkslp_pt@avinuty.ac.in |
| Dr B. Kumar Professor and Head, Department of Printing Technology | Anna University, CEG Campus, Chennai 600025 | 94440 51707 | hodprinting@annauniv.edu bkumar1961@gmail.com |
| AV Sreerama Reddy Principal | Government Institute of Printing Technology 1, Palace Road, Ambedkar Veedhi, Sampangi Rama Nagar, Bengaluru 560001 KA | 080 2226 3558 080 2225 8914 | avsreddy08@gmail.com |

| Contact person | Institute and address | Phone | Email |
|--|---|--|---|
| Dr Amrutharaj H. Krishnan Professor and Head, Department of Printing and Media Engineering | Manipal Institute of Technology, Manipal 576104 KA | 0820 2925 662 9900 077 632 | amrutharaj.hk@manipal.edu |
| Head, Offset Printing | Boys Town Industrial Training Centre Jahanuma, Hyderabad 500053 TG | 040 2446 4511 040 2446 4512 | iti@boystownhyd.com boystown1955@yahoo.com |
| A. Nalini Placement Officer | Nachimuthu Polytechnic College Udumalai Road, Pollachi 642003 TN | 04259 236 060 04259 236 030 9942 908 435 | placement@nptc.ac.in |
| Balaganapathi Ganapathi Vice Principal | Sivakasi Institute of Printing Technology 32/1, A. Meenakshipuram, Anaikuttam PO, Virudhunagar, Sivakasi 626130 TN | 04562 230 002 04562 230 003 | |
| 1) Sameer S. Deshpande , Lecturer | Government Institute of Printing Technology | 022 2262 1474 | 1) deshpande2010@gmail.com |
| 2) Anil Deshmukh , Instructor | D.N. Road, J.J. School of Architecture Compound, Near CST, Mumbai 400001 MH | 8055 035 080 9821 581 530 | 2) anil.rd@rediffmail.com |
| A.S. Bhagat , Lecturer Department of Packaging Technology | Government Polytechnic, Nagpur Near Mangalwari Bazar, Sadar, Nagpur 440001 MH | 0712 2564 483 0712 2562 741 0712 2550 196 | info@gpnagpur.ac.in bhagatajay1971@gmail.com |
| R.R. Dendge Head of Department and Lecturer | Government Polytechnic, Near Khandeshwari Temple, Nathapur Road, Beed 431122 MH | 02442 222 603 02442 222 609 9870 658 174 | rameshdendge@rediffmail.com principal.gpbeed@ dtemaharashtra.gov.in |
| Principal | Ingole Institute Of Printing Technology 272, Central Baza Road, New Ramdaspath, Nagpur 440010 MH | 9225 224 769 9822 233 814 | |
| A.A. Ravetkar Academic Coordinator, Printing Department | Pune Vidyarthi Griha's Maharashtra Institute of Printing Technology 1786 Sadashiv Peth, Pune 411030 MH | 020 2447 0927 020 2447 0573 020 2447 9058 | mipr.pvg@gmail.com |
| The Head | Dhirubhai Mistry Institute for Print Education Research and Training Plot No. 92, Survey No. 66, Waliv Fata, Vasai (E), Palghar 401208 MH | 0250 2480 998 0250 2480 999 | |
| Dr N.C. Saha Director and Principal Executive Officer | Indian Institute of Packaging Plot E 2, Road #8, Chakala Industrial Area (MIDC), Andheri (E), Mumbai 400093 MH | 022 2821 9803 022 2821 6751 022 2839 1506 | iip@iip-in.com |
| The Head | Institute Of Printing Technology 51/24, Pankaj Bhavan, Gharkul Society, Maruti Nagar, Behind Bollywood Cinema, Vadgaon Sheri, Pune 411014 MH | 9890 266 620 | |
| Prof. Madhura P. Mahajan Head of Department, Printing Engineering and Graphics | PVG College of Engineering and Technology 44, Vidya Nagari, Shivdarshan, Parvati, Pune 411009 MH | 020 2422 8258 020 2422 8262 020 2422 8279 Extension 406 | mpm_print@pvgcoet.ac.in mahajan.madhura@gmail.com |
| Sanjay Gohel | R.C. Technical Institute | 079 2766 4785 | sandy_printmedia@yahoo.com |
| Lecturer , Department of Printing Technology | Opp Sola Civil, Near Gujarat High Court S.G. Highway, Sola, Vishwas City 1, Sola, Ahmedabad 380060 GJ | | |
| Balasaheb Ambekar | Maharashtra Mudran Parishad's Institute of Printing Technology and Research Plot No. 3, Sector - 11, Balbharati Marg, Khanda Colony, Near Railway Crossing, New Panvel 410206 MH | 022 2748 1677 9423 807 676 8275 662 277 | |
| Dr R.C. Pandey Principal | Kalaniketan Polytechnic College, Kalaniketan Marg, south civil Line Jabalpur 482001 MP | 0761 2626 162 | prinknp.jbp@mp.gov.in |
| Prof. Prasad B. Iyer Head and Assistant Professor, Department of Printing and Packaging Technology | SIES Graduate School of Technology Sri Chandrasekarendra Saraswati Vidyapuram, Sector-V, Nerul, Navi Mumbai 400706 MH | 022 6108 2400 022 6108 2402 022 6108 2427 022 6108 2417 | hod_ppt@siesgst.ac.in |

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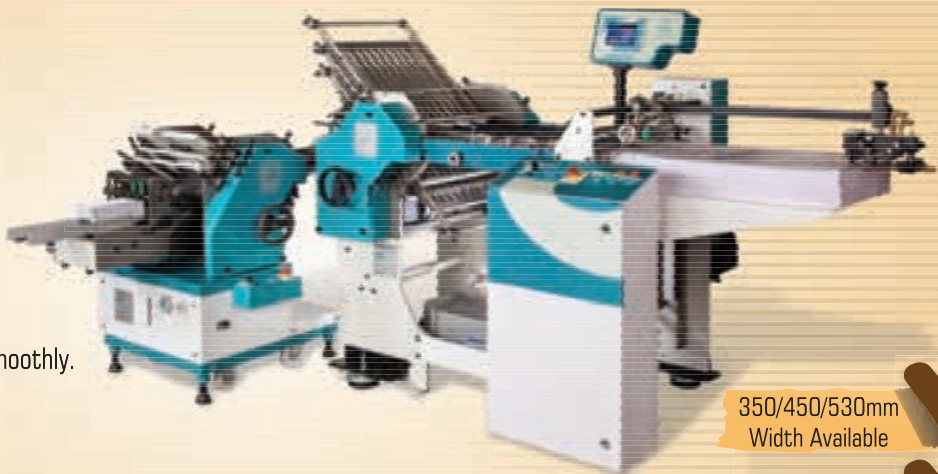


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Ahmednagar loves Romancing Print

Within three months of its affiliation with AIFMP, Ahmednagar Press and Allied Owners Association hosted Romancing Print, and it received overwhelming response from printers in the region.



Sanjivaneer Dalvi, Ganesh Arts; Usha Lingujwar, Sunil Screen Printers; Nalini Gandhe, Akaar Advertising and Akaar Graphics; Meena Athar-e, Classic Offsets; Jayalakshmi Bhura, Balaji Digitals and Lakshmi Enterprises; Sushama Mulay, Utkarsh Art and Printers; Vaishali Patil, Govardhan Printing Press; Kavita Chhajed, Digital Prints Systems and Solutions PLC; Naina Addgatla, Charming Advertisers; and Medha Virkar, Immediate Past President of MMS and Partner at Kaleido Graphics participated in the panel discussion that inspired the audience at Romancing Print in Ahmednagar.

May 3, 2019 was a very exciting day for the printers, print professionals and allied industry members in Ahmednagar because the city witnessed its first printers' gathering for a day-long seminar. Ahmednagar Printers and Allied Owners Association (APAOA), within a few months of its inception and affiliation with All India Federation of Master Printers (AIFMP), hosted Romancing Print in the small town in Maharashtra. The day-long conference presented a wide range of topics and speakers – Reinventing business model by CA Uday Dhote, Nanography in printing by Prof. Parag Hase, Brand building for printers by Dyanesh Shinde, and the last but the most interesting panel discussion led by Medha Virkar about Women entrepreneurs in print. The first-ever print-industry-specific conference in the town was attended by over 300 participating printers and print professionals from Mumbai, Pune, Nashik, and other cities in western Maharashtra.

In his inaugural speech, Raveendra Joshi, President of AIFMP, explained the purpose and the thought-process behind creating a platform such as Romancing Print. "In 2011 we had the first Romancing Print event to celebrate printers' commitment and passion towards the printing and packaging industry," President Joshi added, "the event is also important to present the printing and the packaging industry in a positive light to the newcomers and the next generation of the present day printers." From the platform of the Romancing Print in Ahmednagar, President Joshi advised printers at large to interact positively about their business and the industry with the

generation next and other members of the family. "Who would want to join your business if you go home everyday complaining about the hardships and the negatives of the business? I think we are to be blamed if our next generation and family members don't join our business. We must turn this around in the interest of our business and the industry," he concluded.

Reinventing business model

CA Uday Dhote, Chairperson of Education and Training Committee of AIFMP, presented insights into reinventing business model for sustained profitability. CA Dhote started his presentation by simplifying the topic: "reinventing business model is nothing but reigniting passion for our business all over again and seeing our business in new light to make it relevant to the demands of the current times. Reinventing business model in print is actually romancing print!" he said.

How does one fall in love with



President Joshi, explained the purpose and the thought-process behind creating a platform such as Romancing Print.

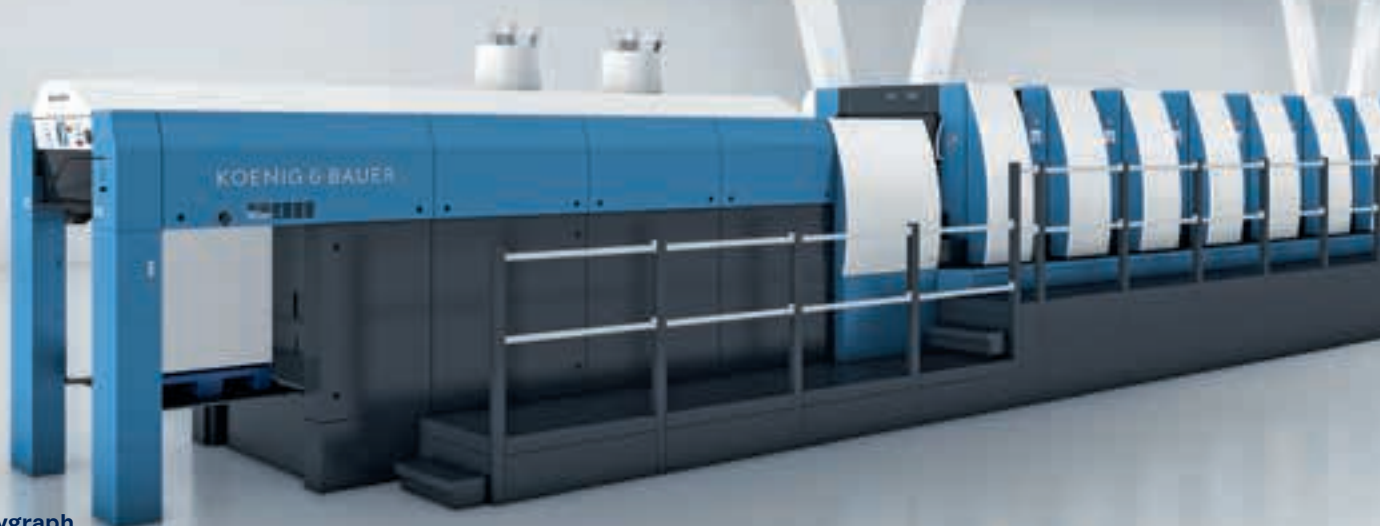
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Vilas Sangurdekar, Vice President, AIFMP welcomed the guests and the members of the audience at Romancing Print, Ahmednagar.



Dr S.B. Nimse, former Vice Chancellor of Lucknow University, was the chief guest at Romancing Print, Ahmednagar.

the business, especially when the profits are uncertain, clients demand unreasonable prices, and the competition is compelling us to lower our prices and let bottom-lines erode?

"It is important that we record and review our business data regularly to make sure we can course correct the business strategies," CA Dhote shared his first anecdote. Reinventing business does not mean buying the machines and investing in the infrastructure following our competition. It is important that print-business owners must consider themselves as promoters and not mere printers. "Once we start behaving like promoters, we can focus on what needs to be done for our business; with the change in the attitude you will be able to focus on changing the way we conduct our business," said, CA Dhote. Underlining the importance of standing out from the crowd, he advised the audience that as business owners we must track market and think about how we can add value or offer unique propositions for our customers and clients. Interestingly, in the current dynamic market, it is important for all businesses, not just print, it is way too long to have planning for a financial year. Therefore, CA Dhote stressed that "we must review our data and align our business to match the opportunities presented by the market."

Safety practices for business sustainability

Pradip Ghaisas, HSE Head at TechNova, began his presentation by recounting the four major fires in the leading presses across India since the beginning of this calendar year. The presses that faced major losses due to this fire outbreaks included Archie's, Brijwasi, Sancheti, and Dainik Bhaskar plant in Bhopal, MP. "Brijwasi alone faced the losses of over ₹200 crores," Mr Ghaisas posed a pertinent question, "how have you prepared yourself to derisk your business?" Printing industry faces two major risks: accidents on the job and fire. "While insurance, fire alarm and extinguishing systems etc. play their

role in case of risks, do we wonder what precautionary measures do we take to achieve zero incidence business operations?," his question made everyone sit up and take note of the serious question he posed.

Throughout presentation, Mr Ghaisas emphasized on imbuing safety as an attitude and not merely as a practice. "We compete internationally with the quality of our product, however, we are severely neglecting housekeeping and safety systems in our businesses," he pointed out. Sharing numerous examples from printing presses – neglecting timely replacement and upgrade of high tension cables while increasing loads, workers working on machines without guards exposing people to accidents, not installing glands at the main power input board to avoid sparking – Mr Ghaisas said, "safety aspect of the business is not only related to the safe and smooth day-to-day operation but also closely related to the future and the growth of the business." In simple words, the losses caused by the accidents and incidents take away the resources that otherwise could have been invested for business growth or to enhance profitability.

Printing business: opportunities and challenges

Prof Parag Hase, Head of the Department of Printing Technology at Dr Babasaheb Ambedkar Marathwada University, mapped technological changes witnessed by the printing industry in India. "Technological changes have changed industries and businesses; printing is no exception. However, now the waves of technological changes are more frequent and these advancements are changing the way we know printing," said Prof Hase, setting the tone of his presentation.

He reminded the audience of the days of CTP (computer to plate) technology that changed the plate-making process in offset forever. However, since the advent and spread of digital technology and the introduction of connected devices in the printing industry, the printing machinery has evolved rapidly. The modern presses

are not only micro-processor controlled, they may be connected to the Internet, and thereby, may be accessed, monitored and controlled from anywhere in the world. This revolution has come at a price; however, increasingly such technological advancements have also enhanced the output of the printing industry by increasing the speed of production, improving the quality of printing, or by integrating processes such as printing and finishing in one unit, as a single-pass process.

The most interesting and perhaps the most revolutionary technology in the future will be the technology being developed by the maverick print-entrepreneur and the father of modern printing, Benny Landa. "Nanography is the future of technology. A form of digital process, it uses nano-sized elements – pigments, conductive elements – that are laid on thin transfer film. This creates an image on the film, which then is transferred to the substrate – paper, plastics, or any other surface of choice," Prof. Hase explained the process further, "because the entire image is transferred at ones and the image is dried on the transfer film before being printed on to the substrate, the process speed is enhanced dramatically. There is no drying time post printing." Another important aspect of nanography is how it bonds to the substrate: because the layer of ink is as thin as a few nanometres, it adheres

to the substrate creating a layer that is abrasion free, waterproof and inseparable from the substrate. Additionally, the nano-scale of the ink dramatically reduces ink consumption while delivering a wider colour gamut with superior quality printing.

It will take time for this technology to come to India; it is yet in the development stage and we are hoping that the production-ready presses will be featured by Benny Landa in the upcoming Drupa. And, when the technology hits India, it will be very capital investment



Umesh Kankavlikar the author of best selling Marathi book *Mi Vijeta Honarach* (I will be the victor) shared the secrets of improving personal productivity by mentally challenging the status-quo and leaping forward with confidence and inner strength.

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S. Dayaker Reddy, President of Indian Printing, Packaging and Allied Machinery Manufacturers' Association (IPAMA), congratulated APAOA for organising Romancing Print in Ahmednagar and for creating a knowledge-focused platform for printers to grow by learning from each other and the domain experts.



Dyanesh Shinde, Founder of Design Addict advised the printers to build their brand by coining and living up to the unique promise to customer. Branding not only helps by giving your business a distinct identity advantage but it also helps add value to your products and services.

intensive; however, Prof. Hase said, "as business owners we must keep an eye on the future developments in our industry to create better business opportunities for ourselves."

Women-power in printing in Ahmednagar

The panel discussion led by Medha Virkar, Immediate Past President of MMS and a Partner in Kaleido Graphics, and participated by women print business owners from Ahmednagar offered the audience a glimpse of confidence, commitment, and aspirations of these ladies who are creating their niche the male-dominated printing and packaging industry. "You see, it is important for me that family members, especially the spouses participate in the business run by the men in the family," Mrs Virkar shared the idea behind conducting this panel discussion, "it not only gives identity and respect to the women, but it also empowers the business by ensuring sustainability and continuation of business even if one of them is incapacitated or is unable to run the business."

Mrs Virkar's thought behind bringing together these businesswomen and encouraging them to share their stories on the platform of Romancing Print makes sense in the light of her explanation: family members in the business owned by the families makes sense as a business strategy. Indeed the ladies on the stage proved this right as most of them said that they handle crucial and core business operations and decision-making along with their husband – their partners in life and in business. The ladies confidently said that they not only look after the traditional roles for women such as people management and resource management but also participate and sometimes lead financial decision-making, budgeting, costing, and negotiations with clients and vendors.

The most striking and interesting aspect of this panel discussion was the fact that women, unlike men, entered the business without much training and yet they have

created a niche for themselves by learning on the job or some women, in fact, opted for formal training in printing for the benefit of business. "When the plastic bags were banned, I expanded our in-house paper bag making business. From the earlier two women, I now employ six women to make and package paper bags, besides the tie-ups with the self-help group of half a dozen women who supply us the paper bags made by them," Shushma Mulay, of Utkarsh Art and Printer proudly added, "When I joined business, I was the only woman in our company. Now I provide employment to many women and empower them."

Kavita Chhajed of Digital Prints Systems and Solutions PLC said, "we not only compete with the printers in Ahmednagar and Pune but also send our products across key markets in India. It makes me feel proud of myself and makes all the efforts worth when I come home and use the product packaged in the packaging made by us."

"it is important that we also encourage and involve our children from young age. My son is in the business by choice; but we certainly kept sharing things from our business at home with them. It kept them interested and made them feel proud of our business. If not us, who will attract them to our business?" Mrs Chhajed asked a poignant question to the audience as she spoke.

The panel discussion concluded with a big round of applause from all the members of the audience – men, women and young children of the print business owners. It was indeed very evident that a lot of women from the audience were inspired by the stories of the ladies on the stage, but a lot of men took cue from this panel discussion and perhaps left the event venue with the promise to themselves to involve their wives in the business. This forward-looking positivity underlined the success of Romancing Print in Ahmednagar as the audience dispersed from the auditorium to enjoy the gala dinner.



Safe Inks *for* **FOOD** Packaging



MGA NATURA - Low Migration Low Odour offset inks for maximum safety in food packaging printing

Packaging is continuously evolving to fulfil new demands in terms of productivity, aesthetics and environment friendliness. Safety in particular needs special attention due to stringent regulatory requirements and increased consumer expectations, especially in case of food packaging. Inks, being an integral part of packaging, need to be carefully designed to fulfil these requirements.

Hubergroup's MGA NATURA series complies with all FDA Standards and EC Regulations for folding cartons in food packaging. This results in reduced approval cycles and increasing production flexibility for brand owners; while printers and converters no longer need to maintain large stocks of a variety of ink types and undertake costly, time-consuming press wash-ups when packaging is destined for different global regions.

Hubergroup's own strict MGA guidelines for packaging printing inks guarantee that the ink is produced in compliance with all relevant standards –including Good Manufacturing Practice (GMP) requirements for printing inks for food contact materials. These new inks consist of substances that will not migrate or which have been approved for food contact. Brand owners and printers can be assured that these inks do not include impurities or undesirable substances which could inhibit regulatory compliance of food packaging.



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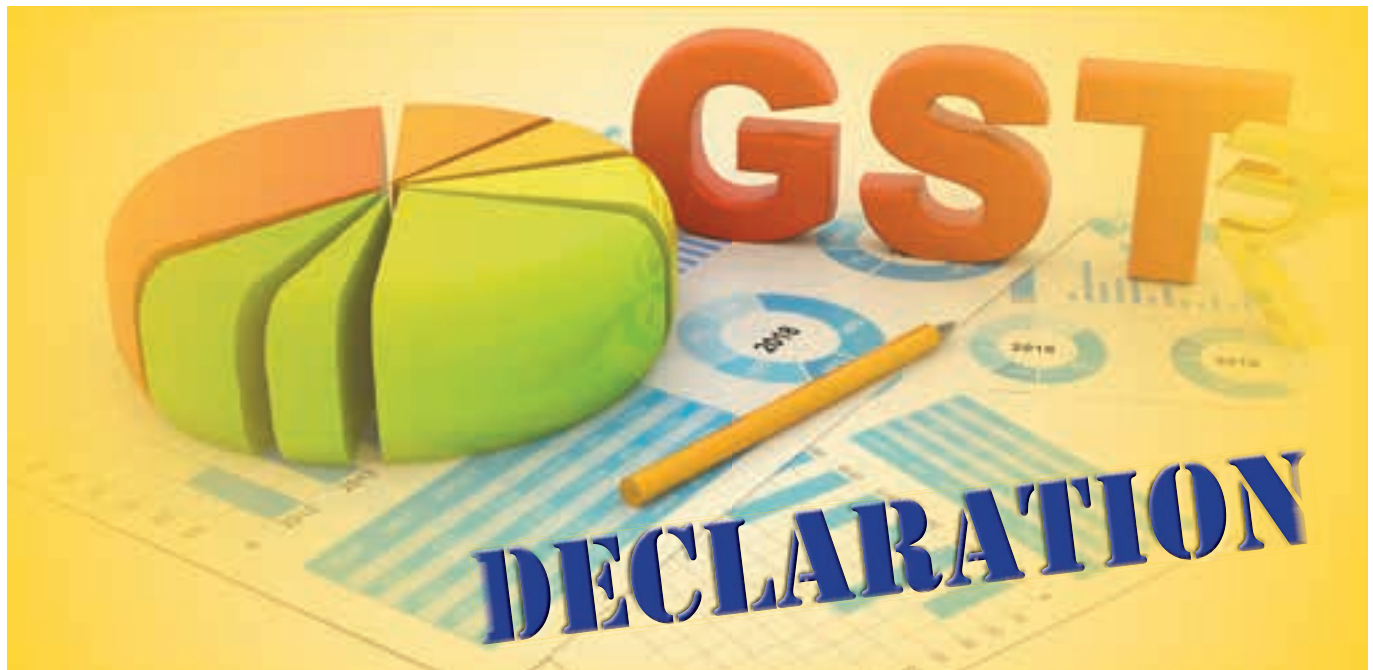
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GST updates and EPS changes

BMPA has constituted a panel of consultants to support Print Bulletin readers with up-to-date information and to resolve queries regarding tax updates, FEMA, and labour laws.



Intimation of job-work status of stocks has been extended several times now and compliance has been poor. It will be no surprise if Government commences enforcement of Sec.19 (3)/19(6) in respect of job-work activities shortly

GST update

Extension of due date of furnishing declaration in Form GST ITC-04

The Government of India vide notification No.15/2019-CT dated March 28, 2019 has notified that the due date of furnishing FORM GST ITC-04 in respect of goods dispatched to a job worker or received from a job worker, during the period from July 2017 to March 2019 is extended to June 30, 2019.

Comment: Intimation of job-work status of stocks has been extended several times now and compliance has been poor. It will be no surprise if Government commences enforcement of Sec.19 (3)/19(6) in respect of job-work activities shortly.

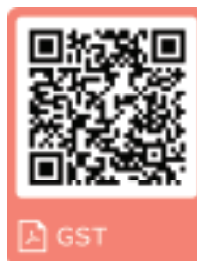
Amendment in scheme for supplier of services with a tax rate of 6%

The Government of India vide Notification No. 9/2019-Central Tax (R) dated March 29, 2019 has made following amendments in the composition scheme in case of intra-state supply of goods or services or both:

- One more condition to avail the scheme has been provided where any registered person who has

availed of input tax credit (ITC) opts to pay tax under this notification, he shall pay an amount, by way of debit in the electronic credit or cash ledger, equivalent to the credit of ITC in respect of inputs held in stock and inputs contained in semi-finished or finished goods in stock and on capital goods as if the supply made under this notification attracts the provisions of section 18(4) of the Act and the rules made there-under and after payment of such amount, the balance of ITC, if any, lying in his electronic credit ledger shall lapse.

- Further explanation has been inserted to provide that the Central Goods and Services Tax Rules, 2017, as applicable to a person paying tax under section 10 of the said Act shall, mutatis mutandis (once the necessary changes have been made), apply to a person paying tax under this notification.



Comment: This is a very important correction made in time because closing balance of ITC on March 31, 2019 could have been used to pay-up the tax payable under 2/2019-CT(R). Introducing

treatment similar to section 18(4) is welcome. Making rules applicable to Composition RPs applicable to 2/1019 is quite draconian as any slip-up in complying with the conditions can cost dearly to RPs.

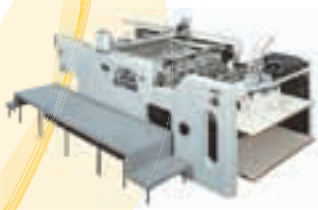
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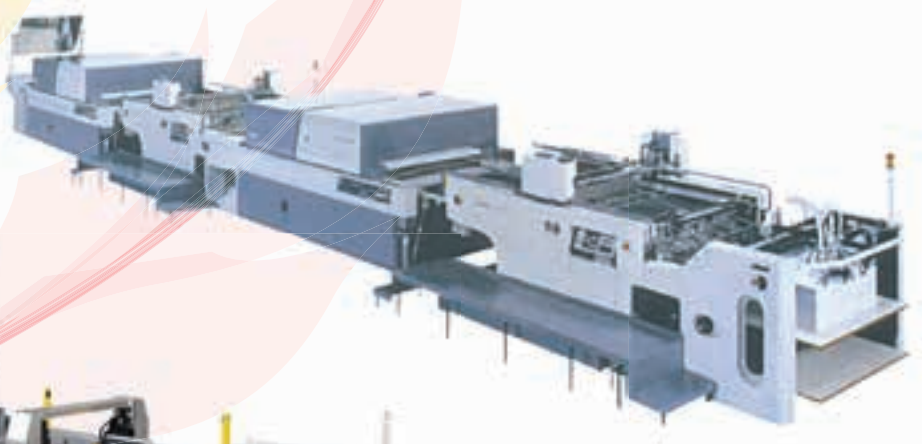


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| Max. Print size | 720 x 500 mm | 1020 x 700 mm | 1130 x 780 mm | 1400 x 995 mm | 770 x 500 mm | 1050 x 730 mm | 720 x 500 mm | 1050 x 730 mm | 1050 x 730 mm | 800 x 585 mm | 550 x 500 mm |
| Speed | 1000 ~ 3600 IPH | 900 ~ 3300 IPH | 900 ~ 3300 IPH | 800 ~ 2000 IPH | 400 ~ 3600 IPH | 800 ~ 4000 IPH | 100 ~ 2000 IPH | 200 ~ 2000 IPH | 800 ~ 2000 IPH | 1000 IPH | 660 FS |
| Thickness | 0.1 ~ 0.8 mm | 0.1 ~ 0.8 mm | 0.1 ~ 0.8 mm | 0.1 ~ 0.8 mm | 0.05 ~ 0.8 mm | 0.075 ~ 0.8 mm | 0.05 ~ 0.8 mm | 0.075 ~ 0.8 mm | 0.1 ~ 0.8 mm | 0.1 ~ 3 mm | 0.025 ~ 0.1 mm |

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Amendments in Central Goods and Services Tax Rules, 2017

The Government of India vide N No. 16/2019- CT dated March 29, 2019 has amended Central Goods and Services Tax Rules, 2017. Amendments made are explained below:

| Rule | Revised provision | Comment |
|--|---|---|
| Insertion in Rule 42: (Manner of determination of ITC in respect of inputs or input services and reversal thereof) | Insertion of Explanation in clause (f): For the purpose of calculation of T4, it is hereby clarified that in case of supply of services covered by clause (b) of paragraph 5 of Schedule II (Construction of complex, building, civil structure or part thereof except where entire consideration received after issuance of completion certificate), value of T4 shall be zero during the construction phase because inputs and input services will be commonly used for construction of apartments booked on or before the date of issuance of completion certificate or first occupation of the project, whichever is earlier, and those which are not booked by the said date. | In case of service of Construction of complex, building, civil structure or part thereof except where entire consideration received after issuance of completion certificate value of T4 shall be zero during the construction phase. |
| | Insertion in clause (g): 'T1', 'T2', 'T3' and 'T4' shall be determined and declared by the registered person at the invoice level in FORM GSTR-2 and at summary level in FORM GSTR-3B | Now a taxpayer shall declare 'T1', 'T2', 'T3' and 'T4' at summary level in FORM GSTR-3B as well earlier this information was only required in GSTR-2 at the invoice level. |
| | Substitution in Sub Rule (1) clause (I): the amount 'C3', 'D1' and 'D2' shall be computed separately for ITC of central tax, State tax, Union territory tax and integrated tax and declared in FORM GSTR-3B or through FORM GST DRC-03 | This change gives teeth to the instructions from CBIC to carry out reversals (for earlier years) through DRC03. It was seen that reversals for earlier year were made through GSTR 3B which resulted in double counting of reversal in subsequent financial year. |
| Rule 43: Manner of determination of ITC in respect of capital goods and reversal thereof in certain cases | Insertion in sub rule 1 clause (a): the amount of input tax in respect of capital goods used or intended to be used exclusively for non-business purposes or used or intended to be used exclusively for effecting exempt supplies shall be indicated in FORM GSTR-2 and FORM GSTR-3B and shall not be credited to his electronic credit ledger. Insertion in sub rule 1 clause (b): the amount of input tax in respect of capital goods used or intended to be used exclusively for effecting supplies other than exempted supplies but including zero-rated supplies shall be indicated in FORM GSTR-2 and FORM GSTR-3B and shall be credited to the electronic credit ledger. | Earlier the ITC on capital goods used for non-business purpose and used for effecting exempt supplies was required to be indicated in GSTR 2 only. Now, it shall be indicated in GSTR 3B as well. Moreover, ITC in respect of capital goods used for effecting supplies other than exempted but including zero rated shall also be indicated in GSTR 3B now. |

| Rule | Revised provision | Comment |
|---|---|---|
| | Insertion of explanation in clause (b): For the purpose for calculating ITC on capital goods used for effecting supplies other than exempted, it is hereby clarified that in case of supply of services covered by clause (b) of paragraph 5 of the Schedule II of the said Act, the amount of input tax in respect of capital goods used or intended to be used exclusively for effecting supplies other than exempted supplies but including zero rated supplies, shall be zero during the construction phase because capital goods will be commonly used for construction of apartments booked on or before the date of issuance of completion certificate or first occupation of the project, whichever is earlier, and those which are not booked by the said date. | This is a welcome change as the difficulty in determining reversal during year of construction which would have impacted the correctness of reversal which could be favourable or unfavourable to RPs and subverts correct determination of reversal required. |
| Insertion of Rule 88A (Order of utilisation of ITC) | Input tax credit on account of integrated tax shall first be utilised towards payment of integrated tax, and the amount remaining, if any, may be utilised towards the payment of central tax (CGST) and state tax (SGST) or union territory tax (UTGST), as the case may be, in any order: Provided that the input tax credit on account of CGST, SGST or UTGST shall be utilised towards payment of integrated tax (IGST), CGST, SGST or UTGST, as the case may be, only after the input tax credit available on account of integrated tax has first been utilised fully. | As per Section 49, ITC can be utilised in a particular series and 49 A provides that credit of CGST/SGST/UTGST can be utilised only after IGST ITC has been utilised fully. Therefore, combined reading of sec 49 and 49 A, IGST shall be utilised in a given series only. However, with this rule it has been provided that IGST shall be utilised for IGST first than in any order convenient to the taxpayer. |

Companies Act and legal

Amendment in the Companies (Incorporation) Rules, 2014

Ministry of Corporate Affairs, vide notification dated April 25, 2019 has granted powers to the Government of India to amend the Companies (Incorporation) Rules, 2014.

- These rules may be called the Companies (Incorporation) Fourth Amendment Rules, 2019. They shall come into force on the date of their publication in the Official Gazette.
- Earlier the due date for filing e-form ACTIVE was April 25, 2019 which has now been extended till June 15, 2019, it was stated that companies which has not intimated the said particulars within the stipulated time line, shall be marked as "ACTIVE-non-compliant" on or after June 16, 2019.

For filing of form e form ACTIVE the words 'on or before April 25, 2019' shall now be substituted with 'on or before June 15, 2019' and will be in effect from April 25, 2019.



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For ACTIVE-non-compliant status the words 'on or before 26.04.2019' shall now be substituted with 'on or before June 16, 2019' and will be in effect from April 25, 2019.

Impact: Extension till June 15, 2019 for filing of e form ACTIVE was granted by the Ministry of Corporate Affairs, Government of India.

Amendment in the Companies (acceptance of deposits) Rules, 2014

Ministry of Corporate Affairs, vide notification dated April 30, 2019 has granted powers to Government of India to amend the Companies (acceptance of deposits) Rules, 2014.

- These rules may be called the Companies (acceptance of deposits) second Amendment Rules, 2019. They shall come into force on the date of their publication in the Official Gazette.
- Earlier in notification dated 22 nd January, 2019, the specified time for filing form DPT-3 was ninety days from the date of publication of the said notification i.e., April 24, 2019 and since the form DPT-3 has been deployed on May 1, 2019, the due date for filing the same has been extended to June 29, 2019.

In sub-rule 16(A), in sub rule (3), "the date of publication of this notification in the Official Gazette", the figures, letters and word "March 31, 2019" shall be substituted and for the words "ninety days from the date of said publication of this notification", the words, figures and letters "ninety days from 31st March, 2019" shall be substituted.

Impact: The time limit for filing form DPT-3 has been extended from April 24, 2019 to June 29, 2019 due to late deployment of form DPT-3.

Amendment in the Companies (Registration Offices and Fees) Rules, 2014

Ministry of Corporate Affairs, vide notification dated April 30, 2019 has granted powers to Government of India to amend the Companies (Registration Offices and Fees) third amendment Rules, 2019.

- These rules may be called the Companies (Registration Offices and Fees) third Amendment Rules, 2019. They shall come into force on the date of their publication in the Official Gazette.
- The fees structure for filing of charge form has been changed

For charges created or modified before November 2, 2018, and allowed to be filed within a period of three hundred days of such creation or six months from the November 2, 2018, as the case may be, the following additional fees shall be payable:

| Period of delay | Additional fee applicable |
|--------------------------------------|---------------------------|
| Up to 30 days | 2 times the normal fees |
| More than 30 days and up to 60 days | 4 times the normal fees |
| More than 60 days and up to 90 days | 6 times the normal fees |
| More than 90 days and up to 180 days | 10 times the normal fees |
| More than 180 days | 12 times the normal fees |

For the charges created or modified on or after November 2, 2018: The following additional fees or advalorem fees, as the case may be, shall be payable up to July 31, 2019, by all companies:

| Period of delay | Additional fee applicable |
|-------------------------------------|---------------------------|
| Up to 30 days | 2 times the normal fees |
| More than 30 days and up to 60 days | 4 times the normal fees |
| More than 60 days and up to 90 days | 6 times the normal fees |

The following additional fees or advalorem fees as the case may be, shall be payable with effect from August 1, 2019.

| Period of delay | Small companies and one person companies (OPCs) | Other than small companies and OPCs |
|-------------------------------------|--|--|
| Up to 30 days | 3 times the normal fees | 6 times the normal fees |
| More than 30 days and up to 90 days | 3 times of normal fees plus an advalorem fee of 0.025 per cent. Of the amount secured by the charge, subject to the maximum of one lac rupees. | 6 times of normal fees, plus an advalorem fee of 0.05 per cent of the amount secured by the charge, subject to the maximum of five lac rupees. |

Amendment in the Companies (Appointment and Qualification of Directors) Rules, 2014

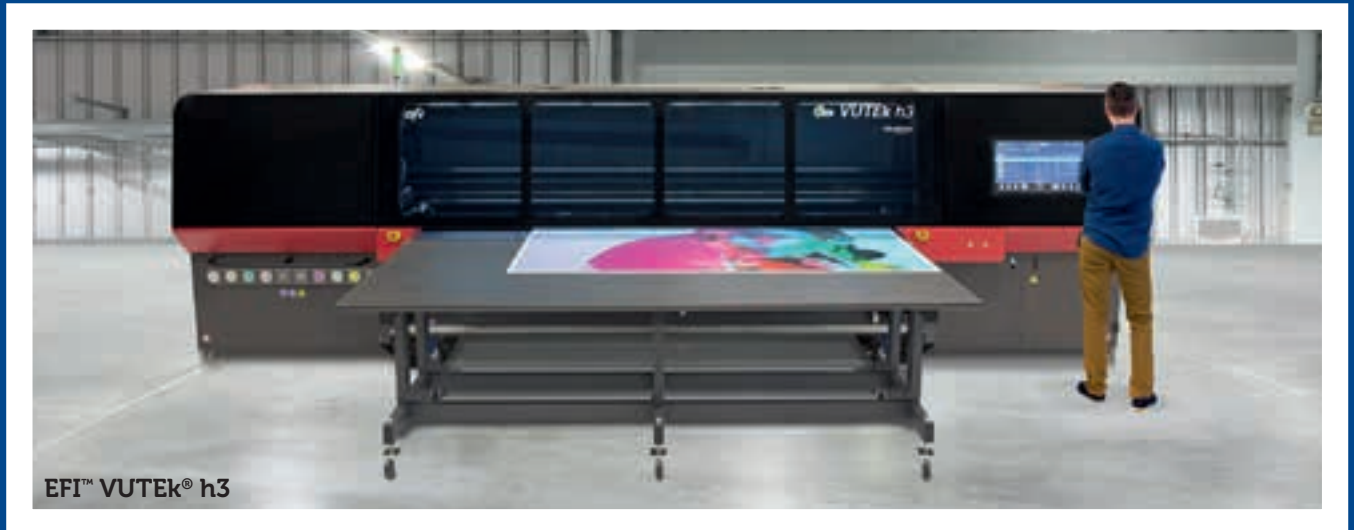
Ministry of Corporate Affairs, vide notification dated April 30, 2019 has granted powers to Government of India to amend the Companies (Appointment and Qualification of Directors) amendment Rules, 2019.

- These rules may be called the Companies (Registration of charges) second Amendment Rules, 2019. They shall come into force on the date of their publication in the Official Gazette.
- In rule 12A regarding KYC of every Director who has been allotted with DIN number as on March 31 of a financial year as per this rules shall submit e form DIR-3 KYC on or before June 30 of immediate next financial year.

For the words and figures "on or before April 30 of immediate next financial year," the words and figures "on or before June 30 of immediate next financial year" shall be substituted.



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Labour laws

The latest verdict about EPS pensions by the Supreme Court of India

The earlier pension rule

The controversy for non-payment of higher pension got started with the issuance of the EPFO circular no. Pension/isc.2005/65836 dated November 22, 2006 as the guidelines for regulating the higher pension cases under the said proviso to the paragraph 11(3) of the Employees' Pension Scheme, 1995 which clearly says

that pensionable salary will be limited to Statutory limit existing from time to time only. If this paragraph 11(3) of the Pension Scheme, 1995 is linked with the issue to paragraph 26 (6) of the EPF Scheme, 1952 which led the RPFC/APFC to put an embargo on all such cases, which finally went to the Supreme Court of India (SC) to pass orders in R.C. Gupta's case on October 4, 2016.

Now the RPFC/APFC have been putting embargoes to deny accepting pension Fund (Account No.10) on a higher basic wages (more than ₹15,000) on the following grounds, especially with reference to the amendments made by the GSR 609(E) dated August 22, 2014 (w.e.f. September 1, 2014):

- i. The R C Gupta's case is not applicable to exempted employees as their contributions kept by the trust of the exempted establishment vide H.Q. circular dated May 31, 2017.
- ii. The proviso to the paragraph 11 (3) of the Scheme, 1995 i.e., "Provided that if at the option of the employer and employee, contribution paid on salary exceeding (rupees six thousand and five hundred) per month from the date of commencement of this scheme or from the date salary exceeds (rupees six thousand and five hundred) whichever is later, and 8.33 per cent share of the employers thereof is remitted into the pension fund, pensionable salary shall be based on such higher salary)." The aforesaid portion of paragraph 11(3) of the Pension



After the latest verdict about EPS Pensions, employers and employees need to take a look at their contributions to align the remunerations and pensions with the SC ruling.



Banking

Scheme, 1995 which was added by G.S.R 134 dated February 28, 1996 which was omitted by G.S.R 609(E) dated August 22, 2014. Hence, after this amendment, no option is available to post-notification retirees or to the present employees/ existing members of the fund.

- i. Omitted proviso provides for a fresh option within 6 month for continuing the paying contribution on higher salary, are now governed by newly inserted paragraph 11 (4) of the Employees' Pension Scheme (EPS), 1995 (inserted with effect from September 1, 2014). Since the Employee could not remit 1.16 per cent on exceeding the salary of rupees fifteen thousand as additional contribution so they are not entitled to get higher pension.

General impact of the latest SC judgement

The two main important highlight of the impact on EPS because of the SC verdict are as follows.

1. Option to allow contribution to eps on higher wages.
2. Definition of pension salary to be determined based on 12 months average salary rather than sixty months.

Impact on employees

1. Employees would be given the option to increase contribution towards EPS beyond the current maximum of ₹1,250 per month(i.e., 8.33% of ₹15,000)



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Basis for calculation of pension would be now based on last 12 month salary instead of last 60 months.

2. Significant increase in pension benefit.
3. EPS Members need not contribute 1.16% over and above the contribution towards availing higher pension scheme.
4. Basis for calculation of pension would be now based on last 12 month salary instead of last 60 months.



caused to any person acting solely based up the information shared herein the article. Team Print Bulletin suggests the readers draw their conclusions after taking into consideration various other relevant sections, rules to be notified from time to time and applicable compliance standards, guidance notes and other notifications and amendments notified from time to time.

Impact on the employers

1. Employer need to exercise the joint option alongwith the employees agreeing to contribute on higher salary.
2. Increase in administrative activities on the part of the employer for different category of employees on ensuring pension at a proper rate.
3. Increase in Employer contribution too for those who have opted to contribute EPS on higher wages.

Note: Print Bulletin or the consultants would advice not to do any change in the labour/employee policy alteration based on the above information. The consultants are expecting a clarification on these changes from the authorities. The above is just to enlighten you on the subject of the latest EPS judgement.

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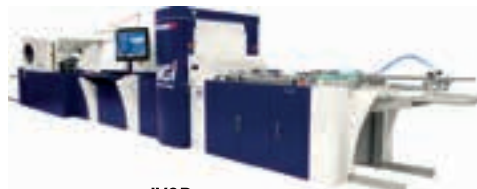


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