

# Services on Multinationals

*by* Roy Setiawan

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**Submission date:** 16-Apr-2021 09:52AM (UTC+0700)

**Submission ID:** 1560568159

**File name:** pm2620210124\_-\_Services\_on\_Multinationals.pdf (330.46K)

**Word count:** 10226

**Character count:** 57583

# Services on Multinationals Operating in Different Countries in Automation and Performance in Organizations as A New Way of Increasing Profit and Cutting Costs

Roy Setiawan, Luigi Pio Leonardo Cavaliere, Mamoon Anam, Klinge Orlando Villalba-Condori, Cesar Gonzalo Vera-Vasquez, Worakamol Wisetsri, Kartikey Koti, and Regin Rajan

## Authors

Roy Setiawan, Universitas Kristen Petra, Universitas Airlangga, Indonesia. roy@petra.ac.id

Luigi Pio Leonardo Cavaliere, Department of Economics, University of Foggia, Via Romolo Caggese, 1, 71121 Foggia FG, Italy. luigi.cavaliere@gmail.com

Mamoon Anam, Department of Computer Science, International Islamic University Islamabad, Pakistan.

Klinge Orlando Villalba-Condori, Universidad Católica De Santa María, Perú. kvillalba@ucsm.edu.pe

Cesar Gonzalo Vera-Vasquez, Continental University, Arequipa, Peru. cverav@continental.edu.pe

Worakamol Wisetsri, Department of Manufacturing and Service Industry, Management, Faculty of Business and Industrial Management, King Mongkut's University of Technology North Bangkok, Bangkok Thailand. drkapook@gmail.com

Kartikey Koti, PES University, Bangalore, India.

Regin Rajan, Department of Information Technology, Adhiyamaan College of Engineering, Tamil Nadu, India. regin12006@yahoo.co.in

## Abstract

*The thesis's main purpose is to focus shared services on multinationals operating in different countries and take the automation process as a new way of increasing profit and cutting costs. However, on the other hand, the effect of automation on employment will be targeted. The thesis project is focused on papers that detail the above measures. They are combined, and the primary goal of the analysis is to illustrate that technology cannot substitute people. Does the research include the methodology for determining what a study report is? And what are the numerous kinds? Finally, it is shown that automation is efficient for businesses but cannot replace people on the other hand because creativity and the ability to develop new processes can never be at hand. We chose AZADEA for research support. We interviewed the operations manager and HR team semi-structured to show that although the shared service process is being implemented, it is important to keep our staff there.*

**Keywords:** Services; Multinationals Operating; Different Countries; Automation and Performance; Profit and Cutting Costs.

## **Introduction**

When it comes to large regional businesses, the primary emphasis is to develop and increase, when the expenses vs profit become strong at many headquarters in operating countries, and the Corporation can at this point strive to find a new direction to slash costs to the highest degree so that it will generate greater profit. One of the principal remedies for such organizations is "shared resources [1]," which allow the Corporation to minimize the number of offices in the area and provide a joint support office working in the region. However, a joint business office to accomplish the aim is the ideal option [2]. This study examines how the joint resources are integrated and minimize the Company's expense once introduced to reflect on the benefits, drawbacks, and effect of similar services [3]. On the other hand, the primary aim of sharp service providers and their reflection on the Company's workers and the source of unemployment induced by automation must be the automation method. Continuing with introducing a modern approach, a corporation should still maintain its staff after the joint resources have been introduced and how maintaining employees will further improve the organization's benefit [4].

## **Literature review**

"Interest in mutual resources is growing because of the desire to squeeze both value and costs from public and private organizations [5]. However, the reduction of costs is only one of them, leading to adopting a shared resources strategy. Many businesses with established product lines shift towards outsourcing because they feel that a third party will provide goods and services quicker and more effective at the same time, particularly in the short run, which is less costly [6]. On the other side, several organizations in a central department merge and centralize common roles, resources and regulations to optimize benefit from the supply chains [7].

There are no threats, and one size suits all organizations: the company functions, its place on the market and its performance or loss are of necessity the ideal model for an enterprise [8]. It depends on how the Company financially performs in the industry, utilizing the numerous models [9]. Simultaneously, outsourcing may have some benefits, several applications to save time and resources, as managers anticipated. Numerous operations have, however, been successful, benefiting from managers' experience and the local economies. Managers can pursue innovative business models in a dynamic industry, away from conventional bureaucratic, externalized and localized models, to cope with the competition [10]. At this point, pooled resources are certainly the most important alternative model. Sharing services will provide the Corporation with many values; first, minimize operations expenses and, at the same time, reduce services offered by the staff [11].

When each organization is special in the competitive context, at the same moment that the sector introduces its demand constraints and demands, management requires a simple vision of the way activities need to be carried out within the business and adjustments in an economic setting need flexibility in the frameworks to operate with these stresses [12]. Shared services is a joint approach that concentrates the current business activities into a new semi-autonomous business entity with a management system that encourages productivity, creation of value and cost reductions for the internal parents' consumers as an open-market enterprise [13].

Models for shared services are often targeted at maximizing business money, persons, time and energy [14]. A joint approach between a parent and a business unit is used to shape the model. The business unit aims to include back-office items or facilities such as payroll, payment, procurement, telecommunications, and programming. The unit is structured to supply the parent company with all its resources [15].

The business unit for pooled resources is focused on semi-autonomous frameworks that shape reporting from conventional to modern architectures. By concentrating on managerial and technological skills, the Company can enhance learning and creativity and promote information sharing [16]. It will encourage the Company to concentrate on clients by developing a customer-focused mentality that contributes to service professionalism. It improves legitimacy and settles organizational differences since it provides political benefits. Today, because of global economic downturns, the demand for joint resources is growing [17].

On the other side, it lowers the need for workers since it is possible to concentrate resources and target a particular objective in the common unit; fewer employees must do the same function at this level [18]. Therefore, the key aim is to eliminate and strengthen the correct. The paradigm also involves downscaling, enabling junior workers to monitor employees previously due to better methodologies and productivity by more costly seniors and managers [19]. Also, it increases economies of scale; pooled services would have the value of improved purchasing power and specialization of specialist expertise, such as accountants in some aspects, arising from the concentration of buying operation and other market practices [20]. The effect would be an improvement in the cost reduction by size compared with the parent organization's initial framework [21].

### **Common Resources Statistics**

While the common service model was formally developed in the early 1990s to minimize prices while retaining some product or service restrictions, the idea was much longer in use [22]. The big consultancy companies PricewaterhouseCoopers, Gunn Partners, McKenzie and Company and London Perret Roche Group LLC have employed the model over the last ten years. The majority of large consulting operations are in the broad business arena, with large domestic and multinational corporations looking to shave millions of dollars off their operational budgets every year [23]. Some half of Fortune 500 businesses have set up pooled facilities to facilitate

financial transactions, human resources and IT. And in a modern business concept, gains, as well as defeats, have existed. Some firms, including America Express, are today largely popular because of the model of shared resources [24].

Consequently, cumulative gains of \$1.5 billion have also been generated in cost savings since 1977 by the Global Business Services unit of Brista-Meyers Squibb [25]. A two-year effort to introduce a similar financial transaction started in 1995, was formed at over 85 sites, with the joint service unit transferring business expenses to the different business units. Lucent Innovations represent the opposite end of the continuum and has consistently met Wall Street's aspirations, despite a widely noticeable joint services programme [26].

The localized income models are associated with the parent company since the regulation is not central, and the reports are carried out by the local agency or business units [27]. The scheme of compensation is often associated with the local departments. From the client's view, the greatest benefit is that the tag of little to no pause is autonomous of regulation and versatility. From a hospital standpoint, the biggest downside is that it compromises the hospital's competencies, provides health care and performs research [28]. The decentralized model is, in conclusion, based on the orientation of a weak alignment of customer care with redundancy costs within the business. The clustered paradigm, on the other side, relies on corporate governance and scale economies [30]. The business management represents its sales and its rewarding scheme for its workers. The market centre focused on the new technology would deliver reliable outcomes for economies of scale if a corporate organization's built-in weakness can only be resolved [29].

Centralization in the IT world typically applies to the convergence of structures that focuses on fusion into one unit of hardware, software and communication systems [31]. The key goals were to increase the enterprise's efficacy and value by installing the Company's latest hardware and applications to reshape the structure [32]. The outsourcing market trend focuses on providing a Third Party that serves many organizations with non-strategic functions. The principal goal of outsourcing is to minimize expenses [33]. The organization may not have to hire full-time workers on short-term assignments, and internal employees will concentrate on essential competency activities. Outsourcing would be the best choice if the project involves extremely trained workers, but there is no need within the enterprise for these activities [34].

In comparison, contracting costs are minimal [35]. The weakness in outsourcing is that the parent organization since they administer the revenues, reporting and rewards scheme of the staff and much of the managerial responsibilities, cannot retain direct influence over the product or service delivered by other parties. In the end, we have the shared resources model, which has primary ownership, sales and monitoring authority and is regulated by the parent organization's business entity. At this point, the business unit may negotiate to deliver the negotiated standard and sum of goods and services for profits [36]. The arrangement is negotiated between the Business Unit and the parent company [37]. The value of pooled resources is improving productivity, minimizing expenses, and reducing the parent company's workers to use the innovations to



support many jobs [38]. The key downside is the cultural transition in the company unit and the workers' adaptation to this change, and the start-up costs are quite high [39].

1 When it comes to joint services competition, the pressure that competitively maintains the joint services is the rivals' competition for profit, forcing management and staff to concentrate on quality practices and retain employees motivated to provide the quality of commodity needed to clients to please them [40]. Unless divisions in a parent company accessed other services, the general service would be deemed a consolidated model at the present level, and the common sector will begin. Scale is one of the most significant reasons for the organization to use the shared resources model since the size is important [41]. The business requires a minimum scale and revenue; the shared resources models do not make sense in this definition [42]. The size depends on the parent's concentration, length, the manufactured unit's expense, and other relative versions' cost. One important point to be considered once planning for shared services is that "the shared services model is a viable option when the savings from a reduction in staffing are greater than the added overhead of creating a management structure to run the shared business unit. It is necessary to note that shared resources are much more than just eliminating \$30,000 in wages [43].

The following case will allow one to consider the significance of the full retail performance of order automation [44]. An automatic ordering order system can improve the reliability of a stock control system which can have a small effect because the device provides notifications that specific goods are sold out and will also explicitly deliver picks to the retailer and guarantee that even during busy periods, the products do not run out of stock [45].

The automation inventory method tends to eradicate human mistakes, so certain workers may miss a certain SKU or write it incorrectly, resulting in an unnecessarily low inventory amount when the order is made, contributing to an inaccurate and incorrect order be sent to the supplier. In comparison, workers inside the organization will be liberated for other vital activities such as order fulfilment by applying eCommerce technologies to achieve this mission [46]. The retailer won't grasp how any products are to be depleted easily without the automation device. The warning system allows them to look closely at the best-selling goods on the market and informs the seller that we will support suppliers to track the progress of the released market patterns at this level [47].

The automation method helps retailers optimally handle inventory levels since the system is highly stable and can be notified at inventory level and planned. Simultaneously, as the retail sector is quite competitive, it allows the trader to respond intelligently to situations [48]. On the other side, retailers do retain more leverage over the order, so they can contact you after the order is issued and can check and change it and at some moment retailers do not choose to fill up any products instantly for a variety of purposes, for example, because summer is over [49].

Generally, the material management system's reasoning principles are the secret to performance. Merchants will build very complicated sets of regulations, which would help them manage their inventory even further [50]. To increase performance, the efficient implementation of these conceptual principles would be key to utilizing order automation [51].

### **A Virtual Success Story in Automation**

In the typically moderate automation and control sector, virtualization, a registering method that decouples equipment and programming, rapidly catches up [52]. Virtualization is first faced with scepticism for modern software with its origins in data innovation (IT) [53]. In certain instances, this has been modified primarily due to consumer demands to reduce cost and exploit their existing registered properties more expertly [54]. Today, virtualization is improved in certain structures by most real automation vendors, primarily for PC or server virtualization. Virtualization enables a solitary PC to provide multiple options for the same or different program as though they were operating on a dedicated PC each time, with little in mind the basic functioning systems used. This provides significant advantages over the automation framework's life cycle, including lower equipment and bolsters prices, reduced room requirements, reduced power requirements (both for PC operations and HVAC), and improved adaptability [55]. Given the unmistakably greater gains than any apparent or actual threats correlated with creativity, ARC Advisory Group is adamant that this pattern will continue and will, it is true, pick up as the control systems go on.

#### *Virtualization Rapidly Gaining Traction in Automation*

In corporations' IT divisions, the virtualization of figurative gadgets has started and has now passed to plant management versions. The control and computerization divisions are moderate to conform to the concept of virtualization, which involves an additional layer of specialized programming and, rather than dissemination, prepares strength and implementations. This raises considerable concern about the effects of deception on specific plant applications in the secret equipment. As organizations, by increasing the number of servers, 'placed more eggs in a weed bin.' With the acceptance of virtualization advancement growing, more programs operate on fewer servers, and it is necessary not to drop the machine. In general, virtualization has been transitioned to automation companies and vendors by organizational weights for job organizations to save their expenditures. Initially, virtualization was exclusively used at the admin interface stage, where one server supplanted a hundred dedicated PCs with some flimsy clients. As this approach was supported, various virtualized systems at the operating level were easily upgraded. As opposed to devout gadgets, it is important today to look at students of history, design capacities, and enhancement packages that all operate on one physical gadget.

Reducing the number of PCs and servers required for automation and tracking systems will decrease capital and function costs by reducing the number of PCs to be held up and managed, reducing the room and vitality needs for general control. In comparison, virtualization saves the expense of upgrades and extensions, so the existing server does not need new virtual machinery (VMs) as often as necessary. This enables the addition of new software with no additional expense of equipment and without equipment loss, which may contribute to major, exorbitant interferences in a generation. Digital computers are especially portable and can be transferred to different physical machines through programming upkeep staff. This allows assistance to be given without impacting generation processes and the responsibility of being more easily changed across the physical base. Furthermore, if a physical server goes flat, it will restart its Database, but the details could be lost, and restart times may apply to on-virtual applications.

#### *Overcoming Concerns about Availability*

Due to the emphasis points provided by virtualization, for example, ability, performance, and flexibility, relative to traditional physical foundations, it has become a common procedure. Since more commercial-based systems are virtualized, there are questions around improved usability. Blackouts cost more cash per year to businesses and in endless dollars the usual cost for large corporations of an hour's downtime. While a few program implementations may tolerate quick blackouts, the fundamental procedures' downtime is fundamentally unsatisfactory with the associated danger of knowledge, exchange, or malfunction. Moreover, multiple VMs operate on a common physical server, with one system fraud providing limitless market power. Giving access to virtualized simple procedures is a core aspect in today's environment of "based." Several approaches to reduce downtime use server bunkers and failover modules to restart VMs to a host in a malfunction of an equipment or job framework. However, the recovery process involves a certain amount of energy as well as damage. In an ideal scenario, the systems in which simple virtualized procedures are conducted should often foresee downtimes by frame deficiencies such that procedural disruption is prevented. The concerns cover this connectivity problem head-on, for example, Status' latest Always-On Infrastructure for IoT.

It should be evident at this level that a large share of the equipment has increasingly been replaced by virtualization programming and various methodologies in a control system setting. The query is, "Will the trend go ahead and what gear would go ahead?" The virtualization trend is going to persist in Curve Trusts. It is a bigger part of the automation and control industry that needs fewer physical equipment, primarily because product usefulness supplants physical hardware with the control design. In some accounts, virtualization seems to have formed deep roots in control and automation systems and can only be seen more after a while. This is attributed to the extraordinary benefits over the automation method's lifecycle in most implementations, and the risks, genuine or saw, are all over the association. For organizations



that rely more on virtualized simple processes, functionality is a crucial requirement and organization structures such as Stratus are necessary.

### **Data analysis**

Automation-driven shared resources centres would undoubtedly improve the Company's output, minimize the amount of time it takes to produce work and at the same time boost its benefit. However, automation has a major impact on jobs; an essay by Dr Nils J. Nilsson, professor of engineering, discusses automation's effect below.

**1**  
*The future of work: Automation's effect on jobs-This time is different*

Every week **headlines** reveal news on artificial intelligence (AI), including simulation, robots and understanding of machinery. The perspectives on the social effects of this fast-growing technical transition vary from forecasted utopians to the alarm for existential challenges to mankind. Dr Nils is gradually persuaded that AI would significantly affect jobs in his 50-year AI study. The key issue is AI's impact on employment. The emphasis was on "solid AIs" and their capacity to automate any job that humans may do, cognitively and physically. The distinction between the strong AIs and the "bad AIs" resides in the reality that the weak AI's main target merely supports human beings.

Automation and IT impact jobs as retired production personnel, bankers, and postal staff can report that these impacts professions including stockbrokers, journalists and radiologists in the immediate future. This trend of automation would begin to impact unemployment, in particular unskilled and insufficient trained jobs. There are no clear solutions about what to do with automatic unemployment," according to Dr Nils. We will bring a million people back to work in the immediate future by repairing and improving ageing and outdated facilities – airports, roads, bridges, colleges, etcetera. Automation, though, would inevitably still affect these workers. Experts said that robotics has still generated new employment that has been demolished. But the time has shifted at this point, the new workers are going to become as before, and automation on these kinds of jobs is being carried out, so there is no net benefit. The aim is to establish an artificial intelligence (HLAI) at the human level for all AI researchers. The main goal of HLAIs is to allow machines to do the same whatever people can accomplish in many workplaces. Many firms in various countries would not hesitate to replace HLAIs that are more expensive and manageable for human employees. Non-automated workers are adequate at this point to address the unemployment question that we face.

The question is, what is the delivery of all these rich products and services? Only a few wealthy people can provide for themselves and are always earning plenty from their non-automated jobs? What are the roots of societal problems? To achieve equal distribution and social accountability,

we need major improvements in our economic structure. There are some proposals for them to own wealth-generated computers, including negative income tax, more taxes, shortened work a week and stock ownership by all people. What are the unemployed supposed to do to offer their lives purpose during their spare time? Some people may plan to continue to take higher education. Some individuals are committed to long-term hobbies and crafts like glass, quilt-making, and woodwork. Others may volunteer in all kinds of social events. Of course, we would face a lot of danger at this point, because unemployment will often hurt the city, robberies, narcotics and violence.

The AI is an interruptive technology, Dr Nils states, and it can be both a boon and a bane as any interference. Ultimately all of the ramifications would lie with us. But, unfortunately, as Pogo once claimed, "We found the enemy, and he is us." Now, PCs can drive vehicles. For us as a general population, what does it mean? When creativity develops, and PCs learn how to execute human activities with higher abilities, which percentage of us are left in the dust? Is there a way to ensure that we remain vital as experts? There is no good justification for icing it yet, and the threats are also far later. The younger you are, the more concerned you should be. How do you plan for the automation acquisition in which vocations?

### **Inventive Arts**

Innovation is one thing at which creative efforts may be made. For graphic professionals, computerized handicraft machines, such as Photoshop and Illustrator, were highly useful. Camera headways also the expense and benefit of computerized imaging in recent memory. What else, if not for FL Studio and Garage Band, what sum of music will we miss? Innovative experiments are seldom substituted by PCs, though, except in this manner. Manufacturing is an outflow of human inventiveness and the desire to build and to impromptu-something PCs can never have. "I'm a canine," should any child tell and demonstrate that it's a pooch. PCs fight to conceive about the quintessence of the "I" and the material of the "puppy," and they struggle with how to coat the elements of "I" and the "canine ness" with the possibility of being a blow. The desire to have the pith of one element, then the quintessence of a radically different thing, maybe depicted as creativity's ability to split them up to create something unique.

### *Proficient Sports*

There are many game lovers around the country. We want to play and see others playing as animal classes and games are the ultimate articulation to our inclination to play. Will a football stadium be attractive to watch? Perhaps for a brief period, but just for his curiosity. In terms of the human account beneath the table, games are compelling. We are not so involved in a game as we are in the participants of the game. Past claims, physicality, stakes – that's what we have to watch, and machines would never be able to repeat this kind of electricity.

### *Human services and Medicine*

From a certain point of view, prescription sections that require therapeutic learning, advanced mastery and the analysis of knowledge thoroughly into account may be sensibly robotized without much effect. In either scenario, the PCs don't have to deal with medical services components: bedside, drastic preference from fragmented data on the patient, human brain science administration, and more. In any scenario, the idea that a patient lives to be treated by a restorative computer that could melt down and decides on a misguided decision will trigger a whole set of genuine problems. This risk alone will ensure that emergency facilities are consistently accessible to citizens.

Future mechanical development will alter the scene of schooling, but the need for human educators can never be eradicated. Online courses are becoming more and more known, but the fact is that online courses' content doesn't only come from nowhere. It has to be accomplished by someone. Also, shouldn't more be done regarding teaching topics that aren't just knowledge, but science and math? Will a PC be willing to understand, not to mention subjectively, the subtleties of lyrics, quality and writings? The chance is dicey, but it wouldn't have been for quite a time, regardless of how it might happen.

Much as the past motorization has been freed or limited, the staff in employment that needs more analytical expertise could allow room for persons employed in more dynamic workplaces, until now unfit for machinery: a world of craftsmen and contractors, love advocates and yoga instructors. These excited and social practices could be as central to the future as metal-bashing was, regardless of how little interest it first requires. Moreover, personal coaching will reliably be of interest. Wherever classes and courses can be conducted without individual relationships, PCs would never tailor the content in an understudy premise. People are confidently needed for this.

### **Quality Assurance**

There are optimistic slip-ups for whatever time this mechanization has become part of the human economy. Separate equipment. Rust metals. Gear-teeth will kill and broil motherboards. Quality certification will not be vital in impeccable circumstances. Yet an error manifests anywhere along with this modern fact and nobody, but a person would be able to notice it. Why don't QA robots just scan for blunders? You reach a major recurrence from then on. How about the isolation of the QA machine? Is the key QA system going to get a second QA machine? You would need a person sooner or later. If you remain sceptical of the state of world governance problems, politicians can be robots from now on. However, it is wise that PCs would not overload the legislative matters if they aren't joking about it. Cities, metropolitan districts, states and countries would not be responsible for PCs. PCs can create no new regulations. PCs are not going to resolve court decisions. Governors, lawmakers, judges and juries would reliably need a sense of humanity; something PCs would never be willing to deliver.

Finally, the answer to 'What are PC-protected professions is quite fundamental.' Keep out of the cover of People and computers and look at careers that require a human nature that computers cannot imitate: intuition, imagination, growth, empathy, artistic capacity, etc. These workers are safeguarded efficiently. Moreover, what if PCs were suitable for certain human attributes? At that point, the qualification of persons and PCs would be overshadowed, and afterwards, the entire issue would become unimportant. According to Bergerson, "a collaborative approach that focuses the subset of internal business functions on a new semi-autonomous entity with a management system to support the performance, value-generation, cost reduction, and better operation of the parent company's external clients, such as a company trading in the open market." In the meantime, the introduction of shared resources could contribute to various risks such as process and system standardization, a lack of organizational versatility, an increase in system sophistication, inadequate communication.

## Findings

When shared resources and outsourcing are introduced, workers at this point are at significant risk of being lost. At this stage, the organization must cultivate and attract good performing workers by strategies. "To achieve high efficiency to create a skilled workforce pool is a critical element in sustainability with any joint resources organization. Unfortunately, it is one of the most daunting targets to reach, with demand both within and outside the business for top-quality expertise. Having this atop goal for the Shared Services senior management team is not a minor commitment. Still, it would eventually render a big contributor to the long-term sustainability of shared services. The Company's joint support workers are threatened by many factors. We have paid challenges and the understanding of pooled resources by a larger organization, beginning from a shortage of job trajectories and economic considerations related to the outsourcing meant and the decline of workers. Knowing that the automation framework can allow us to minimize the costs inside the business, but at the same time, only people will do stuff, below are some articles that show us what tasks only people can do.

**1**  
*Robots can take over some of our jobs. But some things only humans can do*

The capacity to automate activities inside the enterprise, since the machines are transforming the job nature, is incredibly expanding. This method has a huge influence on workers. And we have to remind ourselves, not the positions to be eliminated, what jobs do we want people to do? The focus must be on jobs that require the optimal use of people's unique talents and skills and, at the same time, jobs that require people's ability and decision-making. The automation debate must progress from its present fixation on career re-training to role re-thinking. "The McKinsey Global Institute projected that robotics would be able to generate an average of 40-75 million manufacturing and service employees by 2025. Companies such as Google, Apple, Foxconn and Amazon spend strongly on robots, with technologies evolving further following them. According to one forecast, 2 m manufacturing robots will be working worldwide by 2017.



"Other studies have shown that networked, advanced artificial intelligence and robotics are expected to eliminate more workers by 2025 than they produce. Research undertaken by the University of Oxford has shown that 47% of US work may be at risk within the next two decades due to computer developments, robotics, and artificial intelligence. The human-centred practice would not be impacted since individuals would take advantage of and improve their competitive advantages. If the organization utilizes computers to complete stuff and improve the flourishing industries properly, it can solve challenges and innovative thought. At this point and after the automation phase is full, we will be happy to see people develop their imagination at work at this stage, and they can take more time after automated everyday work and the revolving production tasks in which we have served for decades.

When automation advances, there are supporting theses. Around the same time as the citizens here and now want stuff, a wide portion of the population also wants initial products and facilities, as things are more so in other sectors. Unique and "one-of-a-kind" are room, and the accumulation is out, a reminder of the past when craftsmanship was standard and mass manufacturing was early. Creators generate fresh, interesting concepts and grow them. Etsy demonstrates growing responsiveness and versatility in output in combination with the meteoric growth of micro-producers and platforms. "The movement of the producer would not stop the flow of greater worker automation. However, we cannot conclude that this is a net detrimental trend for culture. By changing the script in that direction, we can shift to a future with optimism – and remember that work areas are still superior to what a computer can do in terms of imagination, craft and human judgement. Finally, expertise may be substituted by the automation method.

- 1 First, we have complex perception and manipulation based on irregular objects' skills in unstructured environments or requiring feedback. A surgeon is an indication of this talent.
- Secondly, creative intelligence, newness and value are the foundation of creativity, and computers cannot set up such tasks because they differ according to culture and time. A similar example is fashion designers.
- Third, we have the emotional intellect linked to bargaining, persuasion, leadership and high-touch caring careers. Examples of relational wisdom are CEOs, public relations experts and project managers.

Concerning the criticism mentioned above regarding the substitution of employees and the identification of analytical thinking and ability for creating and developing new ideas, they can use several processes to preserve their employees at an early stage of automation to benefit from their ability to develop new ideas and move on toward competitive advantage. To maintain its skilled workers, a performance improvement method known as the PMS phase is a means for a company to assess its staff. PMS is a means of identifying and assessing the Company's employees. By incorporating the correctly applied performance management framework, employee morality may be enhanced, maximizing morale and sustaining high efficiency.

*Several components for an efficient PMS method below*

Planning is the first step. The HR department wants to identify the critical elements for personnel and success metrics in alignment with the organization's long-term priorities and goals. These expectations should be measured by approaching the staff. According to the Human Resources Commerce Office of the United States, it is recommended that every evaluation plan be completed and signed by an individual at least 60 days before the start of the assessment.

Secondly, we track and evaluate the success of our workers. According to the US office, the human resources span could not be fewer than 120 days to track and analyze its workers. It's not only assessment and monitoring of results, but also daily reviews for workers. At least one measurement shall be carried out by each employee, for example, during the middle of the performance process. The evaluation should be carried out based on how the employee fulfils the duties specified in the assessment and how he may strengthen any mistake and formally examine him/her at the end of the term.

Thirdly, that the employee must be remembered and compensated by way of a structured procedure until the workers achieve their outcomes objectives in the previous assessment; there are different forms to reimburse an employee, whether financially by incentives or cash reward, or nonmonetary, for example, workers of the month as a certificate of recognition and honour awards. Recognition and reward system will motivate the employee to reach its organization's goals, resulting in better workforce performance. Due to job satisfaction, the scheme of appreciation would help decrease revenue and improve workers' longevity.

Fourthly, we are mindful that workforce growth is deemed a vital feature as an efficient success improvement mechanism beyond the evaluation and reward process. The creation of workers is focused on a continuous training policy within the organization. Your preparation must be focused on your PMS to strengthen the deficiencies and reinforce them to achieve the targets laid out in your PMS. Time, 2007. The HR team works with PDPs to explain the expectation of ongoing performance and offer employees opportunities based upon prior achievements and outline individual employee's career path within the organization once the PMS is performed for every employee. Each employee can realize the added benefit for the Company through the PDP process.

Around the same period, managers have set professional growth targets to help them contribute to their progress. Their progress in their profession is built upon certain ambitions, be they inside or beyond the organization, so these goals must be inspired. "The success improvement framework guarantees that you build a superior team with the PDP method of establishing targets and coordination. As one CEO remarks every day, Our capacity to recruit a superior workforce is the only factor which constrains our development." Why not develop this talent in your Company?. To review the success of each worker and to accomplish their goals, PDP meetings must be conducted periodically at least. The PDP must occasionally be attended by the line

managers at a conference to address employee success and enhance the organization's efficiency. It is important to arrange the PDP meeting and identify the preliminary work.

Based on evidence obtained from the job given and the employees' input inside the Department, the Line Manager would specifically identify the employee's performance in line with the strategic plan. Both the employee and the management team must talk about and work to develop these potential employee strengths. The PDP will simultaneously add value to the success of its employees and the business. The line manager must hold relaxed talks and develop a friendship with the employee for a few minutes at the PDP conference.

On the other side, the employee will decide if he wants to raise his professional output, include preparation and new challenges, and address development and results throughout this quarter. The line manager would address the employee's quarter performance and how he should grow and strengthen. Discuss potential priorities, with the need to match them with the organization's strategies and goals. Set the objectives and goals you have to reach in the next quarter to progress to the next level. Discussion is available to both employees and line managers until all of the issues have been decided upon.

If the two sides consent with both of these issues, the PDP should be signed and sent out for review and approval to the Department of human resources. The Company will win if it establishes the requisite discipline and dedication to daily success improvement preparation. This organizational approach to the accomplishment of cascades and interaction would guarantee your progress in the organization. Can you conceive a different direction in which you can interact, calculate and accomplish your key strategic objectives?.

If the individual both works on the PMS and PDP and meets the aims mentioned above and consistently shows his skill and dedication to the Company with the likelihood of overseeing the organization, the HR team would rely on these workers HiPos organization. The development and retention of top talent is a high-potential employee or HiPos process. So why are high market performance prospects critical? HiPos is described as persons who can take up senior and executive positions in the organization, aspirators and committed to it. Workers of high potential are employees who enjoy their work, take steps to gain additional miles inside the Company, develop and follow their employment. These HiPos are growing stars of the business. Progress is motivated by their determination to invest in preparation and growth for these workers.

### **The drawbacks of maintaining an organization**

Top performers deliver 10 times more than average staff, create much of the creative innovations, and serve as leaders, mentors for others, and templates for others, says HR boss John Sullivan. This is supported by studies by the Board of Directors and other think tanks. These results demand that the organization does everything practicable to retain its highest talent. However, Towers Watson observed in a survey from 2014 that 56 per cent of workers couldn't



achieve high efficiency. HiPos is renowned for the high potential staff of the Company's rising stars. And for a business to maintain these workers, it needs to identify a mechanism that maintains them committed to enabling the HiPos to develop a well-managed talent pool.

According to the map above, Hippos workers are capable of managing together the three characteristics, the desire to take fresh and aspiring challenges, and the willingness to balance the innate characteristics with the will to improve and to strengthen the abilities under which they are dedicated to which they are willing to achieve at the end. If an individual can combine these features and display that they can develop and illustrate their ability in various senior and strategic roles within the organization, they are certainly HiPo. "Emily" is an example of a high-potential worker that illustrates how these features should be seen at work. "Aspiration is a readiness of people in higher positions to accept accountability, challenges and incentives." Emily has shown her ambition by meeting her manager proactively and asking to learn new tasks to challenge herself to find new tasks that differ from those of daily work or tasks that require accountability and personal responsibility to enhance her knowledge to make the right choices. The secret to her aspiration is that she takes steps to convince her executive that she can change and is prepared to take on fresh and complex tasks.

*Competence is a blend of inborn features and abilities*

Emily is natural to work with clients because she is very personally friendly. She has worked through her expertise through her tenure with the business, adjust her to any circumstance with customers, and manage all conversations with customers. Emily will now be still, listen to the customer's dilemma and behave in a way that allows her to preserve excellent customer support. "The loyalty is the emotional, reasonable commitment, the discretion and the desire of the employee to continue." Emily is an industry top performer. It has been 2 years of operating for the boss, and it is already time to discover innovative approaches to make everything more fun for the consumers. Emily enjoys her current job but, at the same time, looks forward to continuing to grow in her Company, asking her manager for a better job that will help her develop into a different, more challenging position. He would respect her choice as a successful boss and advance within the Company because he understands the talent and wishes to expand her potential. For Emily, she shows that she enjoys what she does, wants to do more, takes additional kilometres, and continues to develop her career inside the business.

HiPos has special functionality, so it is more relevant but still difficult to retain them active. Poor management can easily be disillusioned and without opportunities to grow within the organization. And other firms are always looking forward to hunting the HiPos and giving them greater positions and opportunities to grow with them to move to other organizations easily. The following are four conditions for the re-engagement of high potential staff, according to Scott Engler: "To equip your managers with critical risks of commitment. For example, managers often may not recognize the wide variety of factors that may influence sales risk. Train the



managers to create a daily and continuous conversation with staff (and, in particular, high-performance employees) so that they can recognize and resolve these threats proactively.

Request the HiPos dedicate itself to the organization. It might not be enough to inform someone that they are a HiPo to include and keep them. Establish a "talent agreement" that offers them various special opportunities, benefits and commitments and expects them to bear on their organizational obligations or responsibilities. Connect HiPo and the aspirations of senior leaders incredible directions in the HiPo function. HiPos values equal, separate and organized job directions, such that a consistent procedure may be ensured to promote the organization's movement. Ensure the senior leaders buy into growth projects which are extremely potential such that they are not interrupted. Provide a welcoming community of elevated threats. HiPos need incredibly demanding opportunities for advancement to allow them to progress their careers. All these possibilities must be handled carefully. To reduce your danger and gain performance, HiPos will require a positive work atmosphere.

### **Research methodology**

We need to execute various activities in our research approach, which enable us to conduct the research once in a proper timing series. The steps below for the methodology of research. Second, since the report deals with the sales marketing approach, descriptive analysis is the best-suited form of study to be carried out. Data are compiled from the background of the business revenue, manufacturers, consumers and salespeople. Secondly, the data types used in the study, primary and secondary data, will be defined. The analyst himself gathers primary data for a study mission. The compilation of information's primary aim is to maintain track of data to be used since no one can publish information. It takes the organization time and resources to obtain the primary statistics, which are initial and directly linked to the issue. The investigator gathers the information using different means, such as surveys, interviews, interviews with targeted audiences, and surveys; the key data's advantages and drawbacks are given below.

The secondary data is data gathered for the same or another purpose in other study studies but may be used for some purpose in the past by the present researcher. Still, if they use the data, it would be known as secondary knowledge since they use raw data from other researchers and not from themselves. Secondary information also has the benefits and inconveniences listed. Since the study would concentrate on shared services in the early stages and about how the organization wants to function to maintain its workers in AZADEA, my research is focused on primary data, and I will undertake semi-organized interviews with local operations to see how many jobs will be maintained until automation and shared service are performed.

### **Conclusion**

In conclusion, nowadays, businesses are looking forward to cutting expenses and growing income. A significant feature of reaching this degree is introducing joint automation systems,

particularly in regional or multinational organizations. News of modern automation technologies are accessible every day, contributing to the work more productively, and we are attempting to reach a new level by replacing workers with robotics. The benefit is that they can minimize the time required for fulfilling the tasks, thus delivering reliable outcomes. The joint services would help the business accomplish its target, but at the same time contribute to unemployment because it decreases the number of workers inside the Corporation because, because of the opportunity to be innovative and to help support the organization's progress, it is understood that the employees are the most important element in the organization's success. The HR team will seek maintenance personnel to support the Company, so the retention must depend on the results and processes that constantly assess workers. As an illustration, we would use AZADEA to demonstrate that each organization will maintain its staff and meet its goals at the early stages of the shared operation.

### *Recommendations*

The automation-based shared services paradigm will contribute to growth by raising profit and reducing costs, but, on the other hand, it has an overwhelming effect on employment. The advice is that organizations at the outset of the research must simultaneously keep their workers. They should hire the requisite employees to analyze the project internally, as this would be beneficial since nobody understands the job best than they do each day. The HR team would focus on PDP and HiPos so that anytime there is a position necessary, and hiring is internally feasible because HiPos is accessible to fulfil the business's positions. To reach a competitive advantage in the market, the Company needs to focus on creative thought and development service since automation cannot accomplish such tasks.

### **References**

- [1]. Ahmed, E. R., Alabdullah, T. T. Y., Amran, A., and Yahya, S. B. Indebtedness Theory and Shariah Boards: A Theoretical Approach. *Global Business & Management Research*, Vol. 10, no. 1, pp. 127-134, 2018.
- [2]. Ahmed, E. R., Islam, A., Zuqibeh, A., & Alabdullah, T. T. Y. Risks management in Islamic financial instruments. *Advances in Environmental Biology*, Vol. 8, no. 9, pp. 402-406, 2014.
- [3]. Ahmed, E. R., Islam, M. A., Alabdullah, T. T. Y & bin Amran, A. Proposed the pricing model as an alternative Islamic benchmark. *Benchmarking: An International Journal*, Vol. 25, no. 8, pp. 2892-2912, 2018.
- [4]. Alabdullah, T. T. Y., Ahmed, E. R. Board Diversity and Disclosure of Corporate Social Responsibility Link: A Study in Malaysia. *Journal of Adv Research in Dynamic & Control System*, Vol.11, no.11, pp. 1124-1131, 2019.

- [5]. Alabdullah, T. T. Y., Ahmed, E. R., & Thottoli, M. M. Effect of Board Size and Duality on Corporate Social Responsibility: What has Improved in Corporate Governance in Asia?. *Journal of Accounting Science*, Vol. 3, no.2, pp. 121–135, 2019.
- [6]. Alabdullah, T. T. Y., Laadjal, A., Ahmed, E. R., & Al-Asadi, Y. A. A. Board features and capital structure in emerging markets. *Journal of Advanced Management Science*, Vol. 6, no.2, pp. 74-80, 2018.
- [7]. Alabdullah, T. T. Y., Nor, M. I., and E. Ries. The Determination of Firm Performance in Emerging Nations: Do Board Size and Firm Size Matter. *Management* Vol. 5, no.3, pp. 57–66, 2018.
- [8]. Awais, M.; Ghayvat, H.; Krishnan Pandarathodiyil, A.; Nabillah Ghani, W.M.; Ramanathan, A.; Pandya, S.; Walter, N.; Saad, M.N.; Zain, R.B.; Faye, I. Healthcare Professional in the Loop (HPIL): Classification of Standard and Oral Cancer-Causing Anomalous Regions of Oral Cavity Using Textural Analysis Technique in Autofluorescence Imaging. *Sensors*, 20, 5780, 2020.
- [9]. Barot, V., Kapadia, V., & Pandya, S., QoS Enabled IoT Based Low Cost Air Quality Monitoring System with Power Consumption Optimization, *Cybernetics and Information Technologies*, 20(2), 122-140, 2020.
- [10]. D Datta, S Mishra, SS Rajest. Quantification of tolerance limits of engineering system using uncertainty modeling for sustainable energy. *International Journal of Intelligent Networks*, Vol.1, 2020, pp.1-8, 2020. <https://doi.org/10.1016/j.ijin.2020.05.006>
- [11]. D.K. Sharma and D.S. Hooda. Generalized Measures of ‘Useful’ Relative Information and Inequalities. *Journal of Engineering, Management & Pharmaceutical Sciences*, Vol.1(1), pp.15-21, 2010.
- [12]. D.S. Hooda and D.K. Sharma. Exponential Survival Entropies and Their Properties. *Advances in Mathematical Sciences and Applications*, Vol. 20, pp. 265-279, 2010.
- [13]. D.S. Hooda and D.K. Sharma. Bounds on Two Generalized Cost Measures. *Journal of Combinatorics, Information & System Sciences*, Vol. 35(3-4), pp. 513-530, 2010.
- [14]. D.S. Hooda and D.K. Sharma. Generalized ‘Useful’ Information Generating Functions. *Journal of Appl. Math. and Informatics*, Vol. 27(3-4), pp. 591-601, 2009.
- [15]. D.S. Hooda and D.K. Sharma. Non-additive Generalized Measures of ‘Useful’ Inaccuracy. *Journal of Rajasthan Academy of Physical Sciences*, Vol. 7(3), pp.359-368, 2008.
- [16]. D.S. Hooda and D.K. Sharma, Generalized R-Norm information Measures-*Journal of Appl. Math, Statistics & informatics (JAMSI)*, Vol. 4 No.2, 153-168, 2008.
- [17]. Dilip Kumar Sharma. *Some Generalized Information Measures: Their characterization and Applications*. Lambert Academic Publishing, Germany, 2010. ISBN: 978-3838386041.
- [18]. Ganguli S., Kaur G., Sarkar P., Rajest S.S. An Algorithmic Approach to System Identification in the Delta Domain Using FAdFPA Algorithm. In: Haldorai A., Ramu

- A., Khan S. (eds) Business Intelligence for Enterprise Internet of Things. EAI/Springer Innovations in Communication and Computing. Springer, Cham, 2020.
- [19]. Ghayvat, H., Pandya, S. Wellness Sensor Network for modeling Activity of Daily Livings– Proposal and Off-Line Preliminary Analysis. IEEE International Conference, Galgotias University, New Delhi, December 2018.
- [20]. Ghayvat, H.; Awais, M.; Pandya, S.; Ren, H.; Akbarzadeh, S.; Chandra Mukhopadhyay, S.; Chen, C.; Gope, P.; Chouhan, A.; Chen, W. Smart Aging System: Uncovering the Hidden Wellness Parameter for Well-Being Monitoring and Anomaly Detection. *Sensors*, 19, 766, 2019. <https://doi.org/10.3390/s19040766>.
- [21]. Ghayvat, H.; Pandya, S.; Awais, M. ReCognizing SUSpect and PredictiNg ThE SpRead of Contagion Based on Mobile Phone LoCation DaTa (COUNTERACT): A System of identifying COVID-19 infectious and hazardous sites, detecting disease outbreaks based on internet of things, edge computing and artificial intelligence, Sustainable Cities and Society.
- [22]. Gupta J., Singla M.K., Nijhawan P., Ganguli S., Rajest S.S. An IoT-Based Controller Realization for PV System Monitoring and Control. In: Haldorai A., Ramu A., Khan S. (eds) Business Intelligence for Enterprise Internet of Things. EAI/Springer Innovations in Communication and Computing. Springer, Cham, 2020.
- [23]. H. Ghayvat, Pandya, S., and A. Patel. Deep Learning Model for Acoustics Signal Based Preventive Healthcare Monitoring and Activity of Daily Living. 2nd International Conference on Data, Engineering and Applications (IDEA), Bhopal, India, pp. 1-7, 2020. doi: 10.1109/IDEA49133.2020.9170666
- [24]. K.B. Adanov, S. Suman Rajest, Mustagaliyeva Gulnara, Khairzhanova Akhmaral. A Short View on the Backdrop of American’s Literature. *Journal of Advanced Research in Dynamical and Control Systems*, Vol. 11, No. 12, pp. 182-192, 2019.
- [25]. Leo Willyanto Santoso, Bhopendra Singh, S. Suman Rajest, R. Regin, Karrar Hameed Kadhim. A Genetic Programming Approach to Binary Classification Problem. *EAI Endorsed Transactions on Energy*, Vol.8, no. 31, pp. 1-8, 2021. DOI: 10.4108/eai.13-7-2018.165523
- [26]. Mehta, P., Pandya, S., A review on sentiment analysis methodologies, practices and applications, *International Journal of Scientific and Technology Research*, 9(2), pp. 601–609, 2020.
- [27]. N. A. Jalil, H. J. Hwang, and N. M. Dawi. Machines learning trends, perspectives and prospects in education sector. in *ACM International Conference Proceeding Series*, 2019.
- [28]. N. A. Jalil, P. Prapinit, M. Melan, and A. Bin Mustaffa. Adoption of business intelligence - Technological, individual and supply chain efficiency. in *Proceedings - 2019 International Conference on Machine Learning, Big Data and Business Intelligence, MLBDBI 2019*, 2019.



- [29].Pandya S, Wakchaure MA, Shankar R, Annam JR. Analysis of NOMA-OFDM 5G wireless system using deep neural network. The Journal of Defense Modeling and Simulation. 2021. doi:10.1177/1548512921999108.
- [30].Pandya, S., Ghayvat, H., Kotecha, K., Wandra, K., Advanced AODV Approach For Efficient Detection And Mitigation Of WORMHOLE Attack IN MANET, 10th IEEE International Conference on Sensing technology and Machine Intelligence (ICST-2016), Nanjing, China, November 2016.
- [31].Pandya, S., Ghayvat, H., Shah, J., Joshi, N., A Novel Hybrid based Recommendation System based on Clustering and Association Mining, 10th IEEE International Conference on Sensing technology and Machine Intelligence (ICST-2016), Nanjing, China, November 2016.
- [32].Pandya, S., H. Dandvate. New Approach for frequent item set generation based on Mirabit Hashing Algorithm, IEEE International Conference on Inventive Computation technologies (ICICT), 26 August, India, 2016.
- [33].Pandya, S., Patel, W., Mistry, V., i-MsRTRM: Developing an IoT based INTELLIGENT Medicare System for Real-time Remote Health Monitoring, 8th IEEE International Conference on Computational Intelligence and Communications Networks (CICN-2016), Tehari, India, 23-25th December 2016.
- [34].Pandya, S., Shah, J., Joshi, N., Ghayvat, H., Mukhopadhyay, S.C. and Yap, M.H., November. A novel hybrid based recommendation system based on clustering and association mining. In Sensing Technology (ICST), 2016 10th International Conference on (pp. 1-6). IEEE, 2016.
- [35].Pandya, S., Shah, J., Joshi, N., Ghayvat, H., Mukhopadhyay, S.C. and Yap, M.H., November. A novel hybrid based recommendation system based on clustering and association mining. In Sensing Technology (ICST), 2016 10th International Conference on (pp. 1-6). IEEE, 2016.
- [36].Pandya, S., Sur, A. and Kotecha, K., "Smart epidemic tunnel: IoT-based sensor-fusion assistive technology for COVID-19 disinfection", International Journal of Pervasive Computing and Communications, Emerald Publishing, 2020. <https://doi.org/10.1108/IJPCC-07-2020-0091>.
- [37].Pandya, S., Vyas, D. and Bhatt, D., A Survey on Various Machine Learning Techniques, International Conference on Emerging trends in Scientific Research (ICETSR-2015), ISBN no: 978-81-92346-0-5, 2015.
- [38].Pandya, S., W. Patel, An Adaptive Approach towards designing a Smart Health-care Real-Time Monitoring System based on IoT and Data Mining, 3rd IEEE International Conference on Sensing technology and Machine Intelligence (ICST- 2016), Dubai, November 2016.
- [39].Pandya, S., W. Patel, H. Ghayvat. NXTGeUH: Ubiquitous Healthcare System for Vital Signs Monitoring & Falls Detection. IEEE International Conference, Symbiosis International University, December 2018.

- [40]. Pandya, S., Wandra, K., Shah, J., A Hybrid Based Recommendation System to overcome the problem of sparcityl, International Conference on emerging trends in scientific research, December, 2015.
- [41]. Pandya, S.; Ambient Acoustic Event Assistive Framework for Identification, Detection, and Recognition of Unknown Acoustic Events of a Residence, Advanced Engineering Informatics, Elsevier. <http://www.sciencedirect.com/science/article/pii/S147403462030207X>
- [42]. Pandya, S.; Ghayvat, H.; Kotecha, K.; Awais, M.; Akbarzadeh, S.; Gope, P.; Mukhopadhyay, S.C.; Chen, W. Smart Home Anti-Theft System: A Novel Approach for Near Real-Time Monitoring and Smart Home Security for Wellness Protocol. Appl. Syst. Innov. 2018, 1, 42, MDPI. <https://doi.org/10.3390/asi1040042>.
- [43]. Pandya, S.; Ghayvat, H.; Sur, A.; Awais, M.; Kotecha, K.; Saxena, S.; Jassal, N.; Pingale, G. Pollution Weather Prediction System: Smart Outdoor Pollution Monitoring and Prediction for Healthy Breathing and Living. Sensors, 2020, 20, 5448. <https://doi.org/10.3390/s20185448>.
- [44]. Patel, C.I.; Labana, D.; Pandya, S.; Modi, K.; Ghayvat, H.; Awais, M. Histogram of Oriented Gradient-Based Fusion of Features for Human Action Recognition in Action Video Sequences. Sensors, 20, 7299, 2020. <https://doi.org/10.3390/s20247299>
- [45]. Rajasekaran R., Rasool F., Srivastava S., Masih J., Rajest S.S. Heat Maps for Human Group Activity in Academic Blocks. In: Haldorai A., Ramu A., Khan S. (eds) Business Intelligence for Enterprise, 2020.
- [46]. Rao, A. N., Vijayapriya, P., Kowsalya, M., & Rajest, S. S. Computer Tools for Energy Systems. In International Conference on Communication, Computing and Electronics Systems (pp. 475-484). Springer, Singapore, 2020.
- [47]. Ravi Kumar Gupta. Employment Security and Occupational Satisfaction in India. Journal of Advanced Research in Dynamical & Control System, Vol. 10, Issue 10, pp. 244-249, 2018.
- [48]. Ravi Kumar Gupta. Minimum Wage and Minimum Work Hour in India. Journal of Advanced Research in Dynamical & Control System, Vol. 11, 02-Special Issue, pp. 2402-2405, 2019.
- [49]. Ravi Kumar Gupta, Dharendra Bahadur Singh. Minimum Wage and Minimum Work Hour in India. The Journey of Single Taxation System: A Comprehensive study of GST in India, International Journal of Disaster Recovery and Business Continuity, Vol. 11, No. 03, p. 3022 –3030, 2020.
- [50]. Shah, J., Pandya, S., N. Joshi, K. Kotecha, D. B. Choksi, Load Balancing in Cloud Computing: Methodological Survey on Different Types of Load Balancing Algorithms, IEEE International Conference on Trends in Electronis and Informatics, Tamil Nadu, India, May 2017.
- [51]. Sharma M., Singla M.K., Nijhawan P., Ganguli S., Rajest S.S. An Application of IoT to Develop Concept of Smart Remote Monitoring System. In: Haldorai A., Ramu A., Khan

- S. (eds) Business Intelligence for Enterprise Internet of Things. EAI/Springer Innovations in Communication and Computing. Springer, Cham, 2020.
- [52]. Singla M.K., Gupta J., Nijhawan P., Ganguli S., Rajest S.S. Development of an Efficient, Cheap, and Flexible IoT-Based Wind Turbine Emulator. In: Haldorai A., Ramu A., Khan S. (eds) Business Intelligence for Enterprise Internet of Things. EAI/Springer Innovations in Communication and Computing. Springer, Cham, 2020.
- [53]. Srivastava A, Jain S, Miranda R, Patil S, Pandya S, Kotecha K. Deep learning-based respiratory sound analysis for detection of chronic obstructive pulmonary disease. *PeerJ Computer Science*, 2021. 7:e369 <https://doi.org/10.7717/peerj-cs.369>.
- [54]. Sur S., Pandya, S., Ramesh P. Sah, Ketan Kotecha & Swapnil Narkhede, Influence of bed temperature on performance of silica gel/methanol adsorption refrigeration system at adsorption equilibrium, *Particulate Science and Technology*, Taylor and Francis, 2020. DOI: 10.1080/02726351.2020.1778145
- [55]. Sur, A., Sah, R., Pandya, S., Milk storage system for remote areas using solar thermal energy and adsorption cooling, *Materials Today*, Volume 28, Part 3, 2020, Elsevier, Pages 1764-1770, 2020. <https://doi.org/10.1016/j.matpr.2020.05.170>.

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