

Strategies of Financial Management Quality Control in Business

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Abstract:

The manipulate talents collectively of the powerful and important stimulating gadgets of improvement are a topic that has usually been verified thru the specialists and managers. the strengthening of the financial management together of the utmost important capabilities of the managers of the firms is accounted because of the actual fact the powerful realistic equipment within the rule of thumb of thumb route and manipulate of groups and businesses and execution of the rise and improvement techniques. the foremost target of Strategic monetary control is on the dominion of the manager of a organisation and consequently the adoption of the suited strategies for the duration of the foremost affordable downturn and acquire right of entry to of the groups to the emergency financial degree and boom of the whole danger. the strategic economic management additionally conducts the take a look at of belongings and consumptions of every corporation besides defining the diploma and quantity of the presence of the managers in an organisation for consciousness of the associated Cantered sports at the country of the conduction of the fees of an employer, the strategies for the gathering of earning and for that reason the way of the additives control and financial property is its duties. The imaginative and prescient of monetary strategic inside the form of strategic movement technique an imaginary understanding of the sole role of workplace and having a picture of a clean and ideal tomorrow. this wondering courses executives to transferring the tactic of an enterprise inside the route of the Success and better financial policies. the assumption of balance and lengthy-time period functions of an commercial enterprise, is extra balanced than the payments and assessment of capital and clarification of the techniques and techniques to gather wealth for the shareholders is one among the targets of the strategic monetary control that the idea of these desires propels an organisation within the trail of the ever-developing financial fulfilment.

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1. Introduction

Groups, no matter vicinity, are dwelling, respiratory and strolling in an surroundings during which records generation is changing the landscape round them, transitioning from the once more room of an

corporation into the arms of clients, employees and society. There can also be a persistent shift toward a provider financial system, with offerings ever more tailored and personalized for the client. As technology has superior over the last 10 years,

variety of phenomena have emerged that, when combined, have unexpectedly and particularly converted the potential of groups to collect customer products and services. most importantly, the speed at which innovation and incremental development can arise has moreover progressed.

What is commercial enterprise technology?

Employer generation can also be a fashion for fixing and coordinating generation manage at some stage within the complete employer. It's miles a bunch of control practices, gear, organizational structures and era governance designed to shape positive that the utilization of era is optimized throughout the economic employer with the overarching intention of pleasing client needs and expectations. most organizations confine mind that they need to undertaking not first-class their competition but moreover they to constantly decorate their customers view and their capability to satisfy marketplace demand. whilst facts generation was introduced to corporations over 30 years inside the beyond, it find yourself this type of specialized topic that firms created new departments with the remit and duty for handling it. this resulted inside the delivery of it branch, which became visible via many as a natural manual characteristic and wrecks away from the commercial enterprise. massive quantities of attempt had been spent insight that in seeking to "consist of" data technology, confirm that it's beneath the watchful eye of its teams which spend is managed. of route, control stays a main required area, however digital has unleashed era and made it drastically available, meaning it's going to not be efficaciously controlled thru one branch. lately era function got to artwork alongside all commercial employer areas to form their competencies to be had, at the same time as embracing those disciplines of purchaser reputation, income generation, and product development from other components of the corporation. that's regularly not continually a one-manner conversation – advertising teams, as an instance, got to encompass the generation control abilities available to them many to avoid losing to

buy many you runaway price or implementation of answers that can't engage with others during the inner eco-device. Many firms have placed themselves in limbo – someplace between the digital revolution and thus the celebrity quo. They lack the potential to mix incremental development with disruptive digital innovation. To frame the assignment, industrial organisation era introduces three canter factors as illustrated within the photo under.

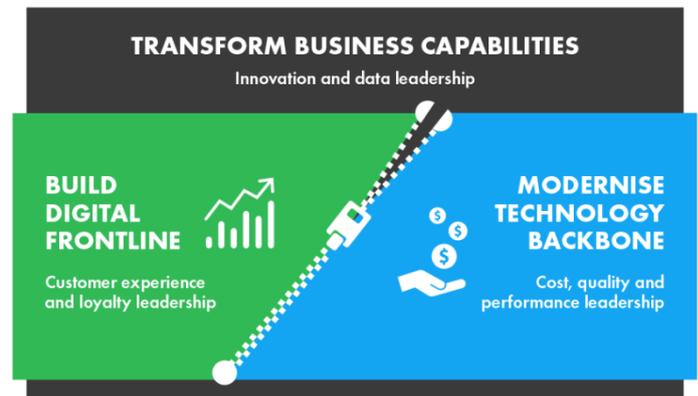


Fig1. *Business Technology mindset model with three dimensions*

Business Technology mindset model with three dimensions

Rising technologies are accelerating digital transformation, requiring commercial enterprise and process improvement and a forward-searching governance. Commercial enterprise capabilities are the sum of all approaches and assets (structures and statistics) inside the corporation, and contain the entire enterprise agency, like any assisting capabilities within the organization. Commercial enterprise abilities are the key for growing the commercial enterprise and for utilizing era inside the superb viable manner. Transformation incorporates of the Components and procedures of a company which are engaged in improving commercial enterprise talents.

A. 2. *Technology domains*

Technology exists inside many areas of the economic agency in recent times. Regularly this era

is out of doors of the have an impression on of the traditional and generation function. Each business is one of a sort, and as a result the sort, location and quantity of technology will rightly variety inner every region. We define 4 distinct classes of era: consumer interfacing generation, product era, operational technology and industrial organization procedure generation. Each of The four generation areas includes a huge kind of technologies, some overlapping and a few of discrete. These are underpinned via the usage of infrastructure, information and protection.



Fig 2. Business Technology domains

- **Customer interfacing technology :**

The key characteristic of this technology kind is interaction with the purchaser and consequently the generation facilities around the customer experience. consumer interfacing technology is all about the digitalization of customer browsing methods and services. due to this, it's miles during this place during which digital duties have a clean and direct impact. improving or implementing that era drives a requirement to review cease to supply up client trips. whilst those solutions are superior, the business got to verify that their Method isn't constrained to virtual channels simplest. this constraint could even be appropriate as a quick-time period method. but, as formerly mentioned, digitalization are often a far broader fabric and needs to be taken into consideration as a broader method.

- **Product technology**

This vicinity includes records generation embedded within the products the commercial enterprise sells:

generation which can be operated monitored and/or interfaced remotely and need to want interplay with its surroundings 24/7. For that reason, handiest the generation detail of the products that fulfils these requirements are regularly visible as product era, not continually the entire product itself. as an example, a garden mower itself doesn't fulfill those criteria, but during a robot lawnmower the embedded technology permitting Its faraway manipulate and operation suits the products generation definition. whilst purchaser interfacing generation presents the gateway for interaction alongside your clients, it's frequently the generation inside your product, whether it's a banking product, digital goods or professional offerings to call a couple of, that provides the important rate to customers. Technology improvements within this vicinity are fast shifting with new rich assets of know-how and new techniques in Conjunction with speedy prototyping, agile improvement and new commercial organization fashions very similar to the "as-a-provider" version frequently used.

- **Operational technology**

Operational generation includes all statistics structures used for handling, walking and tracking automation systems and different "maintain floor" systems. Data era is growing into this location even pretty before. Many previously low-tech or even guide operations recently start with a knowledge generation enabled test, along the servicing of a car. What used to be an in easy phrases guide operation is now assisted via operational era like a laser assisted wheel alignment machine as an instance.

- **Business process technology**

Industrial employer approach era includes records era and answers which can be used for handling commercial enterprise techniques and executing organization transactions, i.e. structures that assist daily business employer operations. traditional samples of commercial enterprise device generation are the corporate useful resource planning (erp) and

consumer relationship control (crm) systems utilized in organizations.

3. INTRODUCTION TO DEMAND DISCIPLINE

The call for area intersects between 4 different disciplines (approach and governance, sourcing and optimisation, development and services) and its predominant goal is to show commercial enterprise purpose into concrete enterprise generation actions. the execution is specifically done by means of managing two flows: method-to-plans and demand-to-request. Method-to-plans glide enhances the business strategy with the help of including essential components of business technology including: Era platform and associate Selections to permit commercial enterprise transformation Employer architecture to supply a scientific and steady view on commercial enterprise abilities and underlying technology answers Roadmap planning and development projects for portfolio steerage Provider planning to bridge the organization architecture planning with concrete plans for provider

development Atmosphere improvement to recognition on building strategic technology and enterprise relations additionally to cooperation possibilities Carrier portfolio Control to form sure that offerings are reliable and in shape for his or her commercial enterprise reason. Demand-to-request float captures the business desires and turns them right into a prototype or a idea if needed. it analyses commercial enterprise feasibility and prepares a development request to be prioritised and authorized for development. The particular float depends on the sort of the decision for:

- Functionality planning – essential commercial enterprise functionality development planning.
- Ideas and concepts – concept generation and challenging the status Quo.
- Increments and enhancements – existing enterprise answers or capability uplift/enhancement.
- Service changes – chronic provider development.

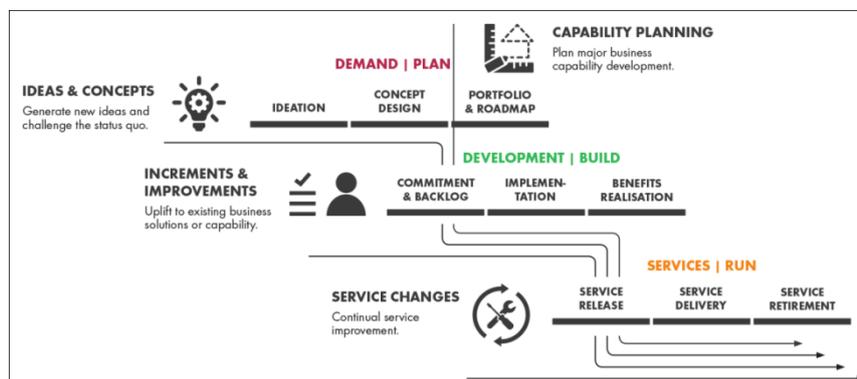


Fig 3. Four sources of demand

The call for that's derived from one among the four resources is converted into development requests

and is advanced thru exclusive improvement paths as illustrated within the image beneath.

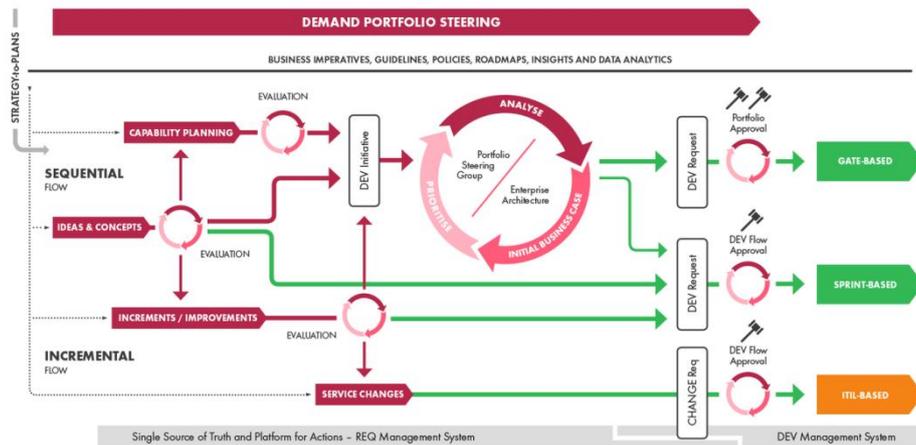


Fig 4. Demand-to-commitment governance

Thoughts and ideas form a quick-moving float from concept to concept which ideally takes just a couple of weeks. The concrete final results generally consist of prototypes and other ideas. Principles could also be moved into the development immediately or after some capability planning or improvements for current solutions. Increments and enhancements are composed of improvements for existing products, answers or services. this sort of demand is a smaller amount difficult to define than the 2 mentioned above. Increments and enhancements could also be moved on to the development through portfolio

steering or at once. The provider alternate float is that the maximum truthful accompany the flow of the four assets of involve. There are three alternate variations: popular, regular and Emergency adjustments. Carrier alternate may be a practical manner to form smaller additions, adjustments or deletions to present services. Statistics analytics and integrations are also blanketed into the decision for area as they directly answer necessities for better use of facts. in most firms, data analytics and integrations are used as a provider for the enterprise and thus they'll be composed of a aggregate of demand and repair.

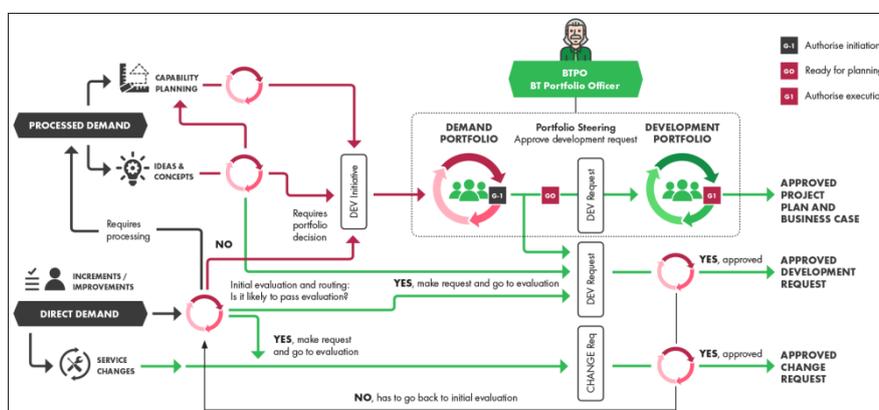


FIG 5. DEMAND-TO-COMMITMENT GOVERNANCE

II. STRATEGIC PLANNING

Strategic planning is predicated on an extended-term vision and short-time period goals defined inside the

commercial enterprise technology method. the approach outlines the important thing requirements for a period various usually between to 5 years and

therefore the stairs needed to achieve the goal nation. the tactic is permitted through the enterprise technology steering organization. The strategic imperatives are similarly damaged into motion plans within a shorter period (e.g. 12 months). the execution of the plans will then be done in Diverse stages of the employer and inside the governance bodies. Strategy and movement plans typically offer guidelines on the next subjects:

- Financial and useful resource allocations
- Platform and supplier choices
- People and competence techniques
- Transformation agendas and roadmaps
- Strategic partnerships and goals.

An powerful implementation of the tactic typically requires:

- Working version to possess readability in terms of roles, duties and governance bodies
- Provider plans to Outline the short-time period (6 to at least one year) steps to place into effect the tactic
- Annual objectives and scorecards to make sure that the key leaders are aligned and devoted
- Portfolio guidance to control the implementation of the strategic decisions.

Strategic viewpoints to facts technology management

Nowadays, the achievement of any business depends on the powerful exploitation of data generation. Consequently, harnessing the potential of records technology to make value for the business should be within the middle of each organization’s business strategy. Value streams define enterprise, generation or other domain focus for price creation. business generation has generally three to five important price streams and doubtlessly a couple of greater Precise minor value streams in each.

Each highest-level price flow got to have:

- Undertaking statement to stipulate the business reason
- Value driver(s) to form assignment statement measureable
- Value flow proprietor either in business or in commercial enterprise generation
- Economic mandate to form the development float choices within the cost movement
- Area structure to plan business talents correctly
- Roadmap to place into effect business capability development

The picture underneath illustrates some opportunity approaches Toorganise fee streams.

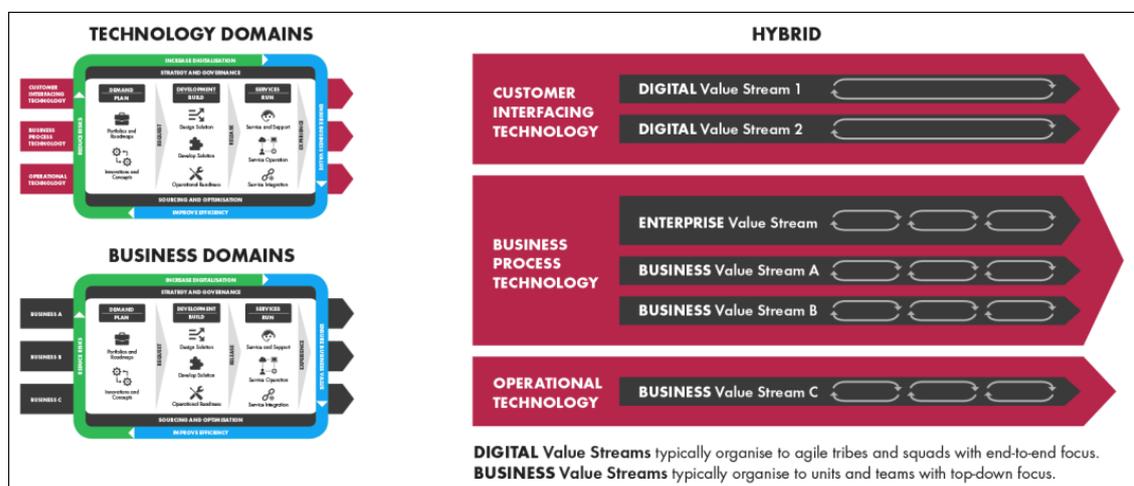


Fig 6. Value streams

Organisation structure

Organization structure defines the commercial enterprise capabilities that are required to reap an enterprise's lengthy-time period strategic desires. it is approximately ensuring proper healthy for business imperatives via defining the technique, statistics solution layers and therefore the "have to wins" during a constantly evolving market. adjustments inclusive of mergers and acquisitions, primary organisational modifications, changes in business surroundings and increasing law prepared extra needs on the facility of enterprise Structure.

The motive of agency architecture is to:

- Define business talents inclusive of procedures, statistics, information generation answers and overarching ecosystems
- Plan transformation from cutting-edge nation to focus on country through defining domain specific roadmaps
- Execute transformation by taking roadmap-primarily based improvement tasks into portfolio steerage
- Aid programmes and projects in enforcing the development initiatives
- Introduce structure concepts defining favoured Answer platforms and different guiding principles for development request assessment
- Make sure data and process consistency with mandatory governance practices.

Digitalisation challenges traditional company structure planning through having rapid improvement sprints and incremental progress-based planning. It also introduces many new answers and corporations, ensuing during a extra fragmented organization structure. Digitalisation employs ecosystems as a playground and makes use of techniques and data that flow Over organization limitations .A conventional monolithic structure does not help the environment technique and thus isn't most appropriate for planning digitalisation. the business technology standard proposes an extended functionality planning technique, placing ecosystem

planning during a principal role. The modularity of this system allows a greater agile development of architecture for distinct business regions. The discern above gives the modularity and dynamics of the organisation structure. the version is compliant with traditional organisation architecture by way of the open institution structure framework (togaf) encompassing four factors of architecture: enterprise, statistics, application and era architectures. the commercial enterprise generation preferred defines a core structure complemented with extra specific business area architectures with the business surroundings layer on top of everything. A fixed of tightly interconnected enterprise answers shape a separate answer area entity. Each entity features a set of commonplace elements and proposals which may be called the canter architecture. Agencies commonly have from 4 to 6 answer area entities that let the power required to layout the architecture inside each area one at a time. The focus on this system is in planning the organisation structure at a stage excessive enough to cowl the interfaces among an employer and therefore the gamers in Ecosystems and, at the equal time, plan commercial enterprise competencies supported through information and systems. Enterprise ecosystems structure defines how the organization integrates to varied ecosystems, consisting of purchaser and associate ecosystems. the enterprise itself is fashioned by a corporation ecosystem with dependencies in among the business devices. it also incorporates a billboard enterprise support surroundings that consists of all companies and partners associated with enterprise guide (i.e. hr, finance, it, prison). the vendor Environment might want to embody commercial enterprise enterprise subcontractors, issue suppliers, service suppliers, and so on. the associate atmosphere additionally defines the dependencies between enterprise companions who, in flip, have a peer function toward the clients.

A. Enterprise architecture governance

Business enterprise architecture involves clean governance and an lively position in initiatives to facilitate structure related choices. the intention is to help the agency to achieve its imaginative and prescient and therefore the favoured structure goal

state. the leader organization architect is in charge of the corporate structure governance with the guide of economic enterprise generation management officer (btmo) for roadmap planning and with commercial enterprise generation portfolio officer (btpo) for programme and challenge guidance related Tasks.



Fig 7. Enterprise architecture governance

Efficient governance requires clean roles, responsibilities and co-operation boards regarding the structure content (i.e. description of the modern-day and target kingdom, dreams, roadmaps, plans, and so on.). it additionally defines how employer structure content is continuously and systematically updated, posted and communicated. Continual updating is vital to make sure the alignment with the changing method and market state of affairs, and to satisfy the necessities of the varying answer and carrier Panorama. Corporation architecture related selections in projects are finished in cooperation among the commercial enterprise functionality leads (i.e. method proprietors) and therefore the mission employer. Organization architecture desires to be reviewed in unique phases of the venture as defined by way of the venture model. Projects motive changes within the architectural landscape and accordingly tasks want to supply input to agency architecture to form sure it displays the on-going

enterprise adjustments. the aim is to take care of company Architecture holistic, up-to-date and related to the development of economic enterprise concepts, techniques and solutions. A terrific corporation architecture practice is to proactively provide enter to principles and tasks before making too many choices. Additionally, it's critical to systematically maintain and communicate the target nation with visible photos to all or any relevant stakeholders.

III. FINANCIAL PLANNING AND CONTROL

Effective management of business generation involves proactive and analytical economic steering to justify operational overall performance, investment feasibility and allocation of costs. control, alongside deciding, depends on transparency with clear structures and approaches surrounding financial control.

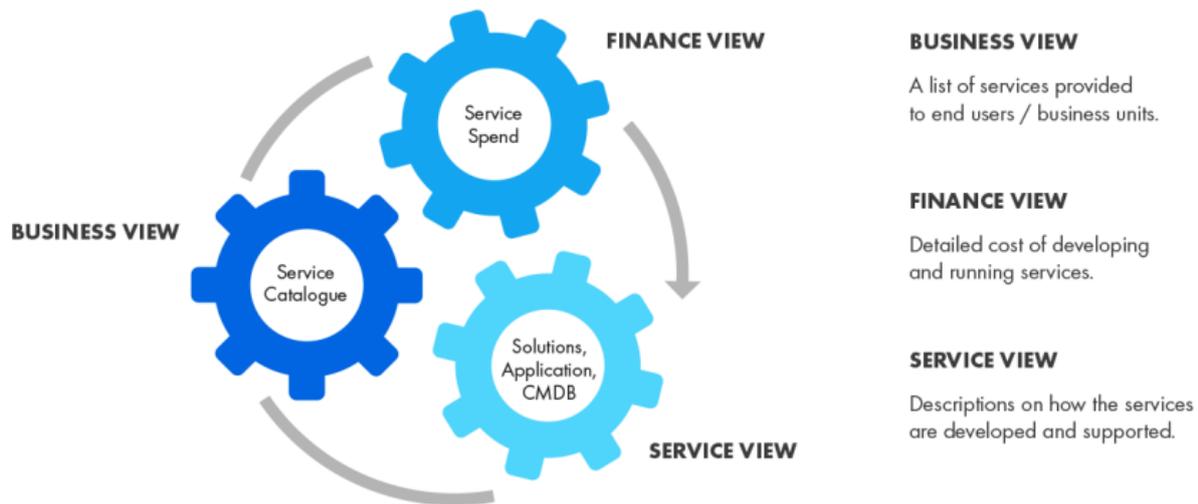


Fig 8. *Financial management views*

Monetary transparency and planning

Monetary transparency shows how gathered prices are transferred to carrier consuming costs and therefore the way actual correlate to plans. monetary planning guarantees: Reserving future income to business generation elements (budgeting) Measuring the particular spend with the help of enterprise era factors and evaluating actual to planned charges to perceive deviations and propose corrective moves (controlling) Allocation of business technology fees to commercial enterprise gadgets and-abilities as carrier costs (invoicing) Fee transparency isn't easy to realize. spends gather on ledger stage whilst budgeting is completed on commercial enterprise generation detail level and commercial enterprise is invoiced on a far better enterprise technology offerings degree. the pleasant practices to deal with cost transparency are the utilization of a standardised taxonomy and grouping prices to pre-defined fee companies and offerings. Additionally to employing a rule-primarily based cost *modelling* gadget to automate calculations.

Conclusion

Financing short-term needs is essentially a financing of recent property using quick-term financial assets. Present day belongings, but, are generally funded in

component through long-time period financial resources which will fund a everlasting additionally to transitional a neighbourhood of present day assets. one-of-a-kind resources are wont to finance cutting-edge property. it's especially the trade credit, that's a herbal supply of financing of the customer via the dealer. it represents the purchaser's liabilities arising from the put off Bills to suppliers for the receipt of the products. Short-time period bank loans are loans whose lenders are banks. loans are provided in numerous forms. Understanding of forms and parameters of short-time period bank loans may be a prerequisite for the powerful management and therefore the usage of bank loans to the fulfilment of the goals of the organization. aneighbourhood of the fast-term monetary resources are a spread of duties, which form a source from their advent to the time in their fee. most fulfilling composition of Short-term financial resources contributes to form sure the capacity to pay together of the elemental targets of the corporate in its monetary management.

REFERENCES

- [1] Sutduean, J., Singsa, A., Sriyakul, T., &Jermstiparsert, K. 2019. "Supply Chain Integration, Enterprise Resource Planning, and Organizational Performance: The Enterprise Resource Planning Implementation Approach."

- Journal of Computational and Theoretical Nanoscience 16 (7): 2975-2981.
- [2] Singasa, A., Sriyakul, T., Sutduean, J., &Jermstittiparsert, K. 2019. "Willingness of Supply Chain Employees to Support Disability Management at Workplace: A Case of Indonesian Supply Chain Companies." Journal of Computational and Theoretical Nanoscience 16 (7): 2982-2989.
- [3] Jiao, Y., Jermstittiparsert, K., Krasnopevtsev, A., Yousif, Q., &Salmani, M. 2019. "Interaction of Thermal Cycling and Electric Current on Reliability of Solder Joints in Different Solder Balls." Materials Research Express 6 (10): 106302.
- [4] Yu, D., Ebadi, A., Jermstittiparsert, K., Jabarullah, N., Vasiljeva, M., &Nojavan, S. 2019. "Risk-constrained Stochastic Optimization of a Concentrating Solar Power Plant." IEEE Transactions on Sustainable Energy (In press), DOI: 10.1109/TSTE.2019.2927735.
- [5] Jermstittiparsert, K., Sriyakul, T., Sutduean, J., &Singasa, A. 2019. "Determinants of Supply Chain Employees Safety Behaviours." Journal of Computational and Theoretical Nanoscience 16 (7): 2959-2966.
- [6] Sriyakul, T., Singasa, A., Sutduean, J., &Jermstittiparsert, K. 2019. "Effect of Cultural Traits, Leadership Styles and Commitment to Change on Supply Chain Operational Excellence." Journal of Computational and Theoretical Nanoscience 16 (7): 2967-2974.
- [7] Jermstittiparsert, K. &Chankoson, T. 2019. "Behavior of Tourism Industry under the Situation of Environmental Threats and Carbon Emission: Time Series Analysis from Thailand." International Journal of Energy Economics and Policy 9 (6): 366-372.
- [8] Romprasert, S. &Jermstittiparsert, K. 2019. "Energy Risk Management and Cost of Economic Production Biodiesel Project." International Journal of Energy Economics and Policy 9 (6): 349-357.
- [9] Cao, Y., Huang, L., Li, Y., Jermstittiparsert, K., Ahmadi-Nezamabad, H., &Nojavan, S. 2020. "Optimal Scheduling of Electric Vehicles Aggregator under Market Price Uncertainty Using Robust Optimization Technique." International Journal of Electrical Power & Energy Systems 117: 105628.
- [10] Kasayanond, A., Umam, R., &Jermstittiparsert, K. 2019. "Environmental Sustainability and its Growth in Malaysia by Elaborating the Green Economy and Environmental Efficiency." International Journal of Energy Economics and Policy 9 (5): 465-473.
- [11] Jermstittiparsert, K., Sriyakul, T., &Rodoonsong, S. 2013. "Power(lessness) of the State in the Globalization Era: Empirical Proposals on Determination of Domestic Paddy Price in Thailand." Asian Social Science 9 (17): 218-225.
- [12] Jermstittiparsert, K., Sriyakul, T., &Pamornmast, C. 2014. "Minimum Wage and Country's Economic Competitiveness: An Empirical Discourse Analysis." The Social Sciences 9 (4): 244-250.
- [13] Jermstittiparsert, K., Pamornmast, C., &Sriyakul, T. 2014. "An Empirical Discourse Analysis on Correlations between Exchange Rate and Industrial Product Export." International Business Management 8 (5): 295-300.
- [14] Jermstittiparsert, K., Sriyakul, T., Pamornmast, C., Rodboonsong, S., Boonprong, W., Sangperm, N., Pakvichai, V., Vipaporn, T., &Maneechote, K. 2016. "A Comparative Study of the Administration of Primary Education between the Provincial Administration Organisation and the Office of the Basic Education Commission in Thailand." The Social Sciences 11 (21): 5104-5110.
- [15] Jermstittiparsert, K., Trimek, J., &Vivatthanaporn, A. 2015. "Fear of Crime among People in Muang-Ake, Lak-Hok, Muang, Pathumthani." The Social Sciences 10 (1): 24-30.
- [16] Jermstittiparsert, K. &Akahat, N. 2016. "Fear of Crime among Students of KalasinRajabhat University." Research Journal of Applied Sciences 11 (2): 54-61.
- [17] Yu, D., Wang, Y., Liu, H., Jermstittiparsert, K., &Razmjoo, N. 2019. "System Identification of PEM Fuel Cells Using an Improved Elman Neural Network and a New Hybrid Optimization Algorithm." Energy Reports 5: 1365-1374.
- [18] Tian, M., Ebadi, A., Jermstittiparsert, K., Kadyrov, M., Ponomarev, A., Javanshir, N., &Nojavan, S. 2019. "Risk-Based Stochastic

Scheduling of Energy Hub System in the Presence of Heating Network and Thermal Energy Management.” *Applied Thermal Engineering* 159: 113825.

- [19] Yu, D., Wnag, J., Li, D., Jermisittiparsert, K., &Nojavan, S. 2019. “Risk-Averse Stochastic Operation of a Power System Integrated with Hydrogen Storage System and Wind Generation in the Presence of Demand Response Program.” *International Journal of Hydrogen Energy* (In press), DOI: 10.1016/j.ijhydene.2019.09.222.
- [20] Jabarullah, N., Jermisittiparsert, K., Melnikov, P., Maseleno, A., Hosseinian, A., &Vessally, E. 2019. “Methods for the Direct Synthesis of Thioesters from Aldehydes: A Focus Review.” *Journal of Sulfur Chemistry* (In press), DOI: 10.1080/17415993.2019.1658764.