Article

A Literature Study on the New Products Development Procedures

Dr. Deepak Pandey

Associate Prof., Faculty of Commerce & Mgmt Shree Guru Gobind Singh Tricentenary University, Gurugram-Badli Road, Gurugram Haryana, India, Email Id- Deepak_fcam@sgtuniversity.org

Dr. Jitendra

Asst Professor, School of Management and Commerce, Sanskriti University, Mathura, Uttar Pradesh, India, Email Id- jitendra.somc@sanskriti.edu.in

Poonam Rajoria

Assistant Professor, Department of Management Studies, Vivekananda Global University, Jaipur, Email Id-poonam.rajharia@vgu.ac.in

Mohit Rastogi

Assistant Professor, Teerthanker Mahaveer Institute of Management and Technology, Teerthanker Mahaveer University, Moradabad, Uttar Pradesh, India, Email Id- rtmohit@yahoo.co.in

Received date: 14.01.2025; Accepted date: 16.03.2025; Publication date: 05.05.2025, doi: 10.56334/sei/8.3.55

Abstract

In terms to ensure a good new product with the certainty of the successful introduction of a fresh product inside a firm, a methodical and recorded procedure towards New Products Development (NPD) would be required, thereby it is necessary to provide a dependable path for growth of a new product. Several methods have been suggested throughout history. Some concentrate on production, some on advertising and

¹ **CC BY 4.0.** © The Author(s). Publisher: IMCRA. Authors expressly acknowledge the authorship rights of their works and grant the journal the first publication right under the terms of the Creative Commons Attribution License International CC-BY, which allows the published work to be freely distributed to others, provided that the original authors are cited and the work is published in this journal. **Citation**. Deepak P., Jitendra, Poonam R., Mohit R. (2025). A Literature Study on the New Products Development Procedure. *Science, Education and Innovations in the Context of Modern Problems*, 8(3), 909-922. doi: 10.56352/sei/8.3.55. https://imcra-az.org/archive/358-science-education-and-innovations-in-the-context-of-modern-problems-issue-3-volviii-2025.html



909

awareness, with some on the production and development of ideas. However, a systematic solution appears to be lacking. This research purposes to suggest a comprehensive structure that might be used through all goods and services, small firms and corporations alike, for procedures and also for services within the organization's architecture. This research involves an overview of current NPD research and an observational exercise to classify all potential characteristics of goods or services. This study evaluates the NPD procedure, from idea to market, and what main factors of performance are, for example; the achievement of actual product dominance and performance; and the requirement for cross-functional teammates; the success of a business and the usage of innovative technologies as a means of competitive advantage.

Keywords

Development, New Product Development, Organization, Procedure, Product.

INTRODUCTION

"To exist would be to improve, to improve is to evolve, to evolve is to continue to create oneself forever," stated by Kampis [1]. This statement is valid not just for individuals, but often for products or services. In an ever-developing world, technologies are changing, consumers are seeking change, ecosystems are changing, organization competition is also changing, including everything changing, if the products/services stay the very same, these will stop existing. New product creation and improvement of current models must also be followed continually. NPD is typically seen as solving defects in current products, plugging holes, and attempting to keep up with rivals. Yet it's a lot extra than just it. NPD must average providing the consumer a totally varied knowledge. It's meant to mean breaking congestion and making the product exclusive from the rest. Customer appetite today continues to evolve continuously, compressing product lifecycles. Developing goods is not a simple operation. The rate of success is around 45 to 62% [2]. To increase the rate of success, there are different product creation frameworks that can support companies within their search towards producing fresh products. The conventional theatrical procedure with product creation entered the market from the 1970s to the 1990s. Over the last decades, efforts have been made to pursue other avenues.

The production of new products is among the main drivers for competitiveness and success in each nation. Companies around the globe are faced with improvements in both manufacturing technologies and service organizations. The product's life cycle has not been as limited as it is now, hence, that NPD is among the most essential in industries. Utilizing only the conventional means of raising competition, for instance, cost-cutting, cannot stay on the market. Just Consistent strategy and the production of new ideas are variables that enable an organization to function effectively. New products, as well as services production in



every economy, is important for economic development and growth of the welfare system. The usage of new technologies is among the options for the production of a new product.

In recent decades, the amount of new product introductions has grown significantly, the market became more conscious of the value of emerging products to market. As a result, handling the NPD procedure has become a concern for businesses as it needs significant economic and physical capital and therefore is time-critical. The cruel truth is that most new technologies are never placed in the marketplace and those who do experience a failure rate anywhere between 25 to 45% [3]. Approximately 1/2 of every 7 new product concepts enter growth, and only 1 advance [4]. Despite comprehensive literature into how to attain success with NPD, organizations struggle to produce goods that fail and hence NPD ranks as one of the most challenging and confounding challenges for most organizations. If the amount of dollars spent in NPD increases, the incentive to optimize the return on these investments is also rising. It is getting worse when an approximately 46% of the money committed to the NPD is expended on goods that are canceled or do not deliver an acceptable financial return.

The push to increase the quality and efficiency of product production, as well as the technical capability of vendors, is the key explanation for the early participation of suppliers. The significance of early participation of suppliers or incorporation of suppliers throughout NPD has been highlighted in numerous research projects. Earlier studies have shown that supplier convergence contributes to major changes in NPD procedures in terms of effort, expense and efficiency of production. For instance, Cousineau et al. indicated that the introduction of the supply chain in product production resulted in positive outcomes [5], such as allowing the manufacturer to meet the necessary timetable, presenting the supplier with a greater understanding of customer's demands, and improving customer-suppliers relationships. There's no doubt, however, that the presence of suppliers during NPD becomes helpful towards time-to-market, efficiency and expense.

While the scientific data found within previous studies suggest that the presence of suppliers contributes to positive effects in terms of NPD production success, this result is not generally true for companies in developing economies. These markets are believed to lack production and creative capabilities. Thinking back at research listed so far, they have mostly actually occurred in established economies or developing nations, like the USA [6], the United Kingdom, Denmark [7] as well as Germany [8]. An exception will be China that has attracted interest from scholars looking at product innovation [9].

As a nation that is heading "towards more technology-driven", its companies need to boost their NDP results. The degrees of integration of suppliers across NPD among producers and its effect on NPD output are therefore required, especially while the manufacturing industry continues to expand while adding 27.5



percent to GDP during 2011 [10]. The purpose of this research remains to decide if the auspicious relationship among dealer interaction activities with NPD success throughout developed countries is still applicable in the developing economy.

International competitiveness, accelerated technological transition and changing trends of global business opportunities push businesses to spend relentlessly in NPD; were it not for benefit, then for sustainability, and that this is perceived to become the determinant of growth [11]. The advancement and production of new technologies are generally accepted as an essential source of competitiveness advantage. However, considering the value of NPD, with both the current and future success of businesses, a high proportion of new goods would not be launched on the market [12]. Analysis reveals that most innovative innovations cannot become economic successes without the help of an organized method.

LITERATURE REVIEW

The modern product creation writings illustrates value of putting fresh products to marketplace for growth of somewhat viable enterprise. During the last generations, several studies have recorded the importance of NPD according a core factors within business strategy, revenue production and the success of the organization [13]. There's really, nevertheless, a scattered description on the implementation of an upgrading method throughout the literature. A few of the current products were systematically examined to find vulnerabilities with a view to creating a system that will bridge certain gaps throughout the update process. The Linear Stages Gate Procedure developed through Cooper [2], which has become registered trademark for Products Development Institute Inc., requires a constant analysis of products development procedure. Daily reviews continue to slim down the possibilities produced. Brand creation therefore becomes a rational progression to the achievement of established goals. The focus is on putting next new thing into the market throughout the quickest time frame. The method follows six main linear steps, i.e. Idea, scoping, market case design, development, examination and validation as well as launch.

Referring to such a theoretical viewpoint, Hart switched towards Porter's competitive advantage models and suggested a structure that would position the buying role as an integral organizational capability [14]. In its framework, Hart related the buying practices to the particular skills of the company that are necessary for retaining a competitive edge. In other terms, an efficient buying role may help a business retain its competitive edge by choosing and collaborating properly with vendors. As Ansari and Modarress have made clear, a significant environment for acquisitions and vendors to be incorporated is the products production phase of the company [15].

Collaboration between the customer and the manufacturer during the NPD, commonly known as manufacturer incorporation as well as early supplier involvement (ESI), was already going on with more over



50 years. Even so, this is just over the last 20 years which initial integration of NPD suppliers has acquired a great deal of attention in scholarly papers, especially as the integration of suppliers is extremely influential in deciding NPD output throughout terms of production, efficiency and expense. Zirpoli and Caputo have researched the Italian cars manufacturer (Fiat)[16] to examine co-design activities among Fiat as well as its vendors and have reported that the introduction of suppliers into the NPD procedure has helped Fiat within achieving its NPD aims. In addition, Fliess as well as Becker researched twelve companies located within Germany [17] suggested that professional teamwork contributes to effective participation of suppliers in the production of new goods. In addition, several other experiments have verified the advantages of the presence of the provider.

The NPD Paradigm suggested by Achrol as well as Kotler asserts the usage of a filter to move on fresh ideas and principles [18]. Various early new product designs and innovations are being considered, but are then implemented into this pipeline and higher potential products. That's not necessarily a linear operation. There are eight phases in the production of new goods. The phase starts through the generation of ideas. The 2nd stage includes screening the proposal. Following the production and research process of the design, customers can assess the products and its advantages.

Ulrich with Eppinger's NPD method helps organize cross-functional groups and prepare from the proposal to the launch step [19]. It requires detailed reporting at any point of the process. This helps to recognize areas for change. After primary planning, the requirement concepts shall be built utilizing industrial designs. The "successful concept" is selected after that. The idea is then turned within a computer-aided designs. The price of production and other related costs will then be calculated. The designs are then assembled and optimized as necessary. After the concept has passed the test process, development is begun. However, this method is too basic to architecture and is much more targeted towards consumer goods.

Beckley et al. implemented Game Board Design Development Methodology to define the desired characteristics of new products [20]. Even so, they take this into account the current products and consider user desires to dissect and then rebuild the products with their particular preferences and goals for characteristics and various combinations of qualities. The paradigm aims to modify a single product, yet does not include a structure which can be uniformly applied to any products or services.

Prencipe also ties the role of manufacturers to uncertainty of the products and the significance of the factors to the complete production of the products [21]. Consequently, the sophistication of the products, the function of the materials supplied throughout the specification of the products and the level of production have a future impact mostly on implementation of the manufacturer. In that context, during a questionnaire of 338 organizations mostly in U.S. high-tech businesses, Jayaram noticed that connectivity and knowledge



exchange, architecture engagement and growth of networks via manufacture collaboration could contribute to the establishment of providers[22]. Positive NPD output throughout the aspects of product expense, compliance efficiency, and design excellence including period-to-market results.

Parker et al. even observed that these variables have an important effect on the results of NPD[23]. Wasti as well as Liker have observed there was a favorable association between better product designs only with level of design-related correspondence with the manufacturer[24]. In comparison, Handfield and Lawson [25] have found that diligent selection of manufacturer prior to the launch of the NPD and the role of manufacturers in establishing technical priorities would decide the success of the NPD. McGinnis with Vallopora have identified common reasons for the popularity of the new product [26].

Echtelt et al. performed an within-depth 4-years research of the case learning [27]. Dutch businesses found out how effectiveness of the introduction of suppliers relies on the capacity of the organization to handle the role of suppliers efficiently and reap both shorter-term and longer-term gains. Consequently, the sophistication of the products, the function of the elements supplied in the design of the products and the phases of production are ubiquitously linked to the relationship with the manufacturers, and although they have thus far been handled differently within academic literature, regardless of the fact that they're still connected to advantageous results for NPD.

In addition to such models, research also emphasizes on the significance of producing a set of qualifications used to create new designs. In their article, Pike and Steven [28] utilized Kelly [29] to write a sequence of qualities that individuals choose to select short break vacation spots. They stressed matching choices, not creating a set of qualifications. In addition, this paper allows researchers to consider the preferences that consumers have among the characteristics of different options. On related criteria, Blijlevens et al. [30] applied to the appearance characteristics of the items throughout the classification of durable products. The research defined the view of customers in the classification of durable products. The determinant characteristics, as expressed throughout the analysis of Alpert [31], elicited the desires of the authors. He found out that product characteristics establish market preference and also that characteristics perform an essential role within product growth.

In their research entitled "Consumer Behavior and NPD: an Interactive Market Simulation procedures," Tsafarkis et al. suggested a collaborative research model to further understand the market success of rival goods in a related area [32]. A few commodity characteristics have been allocated weights to user tastes. However, these characteristics of the commodity were pre-determined by analysts and were not obtained from customers. They carried out an actual world application in which they measured the projected



market share of certain milk products, yet this was focused on four predetermined characteristics of products with not in an effort to find the attributes desired by the customer.

FACTOR UTILIZED FOR THE SUCCESS OF NEW PRODUCT DEVELOPMENT

Bringing a good product into the market is a collaborative effort. Although developers are liable for functionality, usability as well as the most of customer experience, there's several factors that lead to the performance or failure for NPD, most of which are beyond the absolute authority of the developer [33], [34]. The Figure 1 portrays the success variables for NPD.

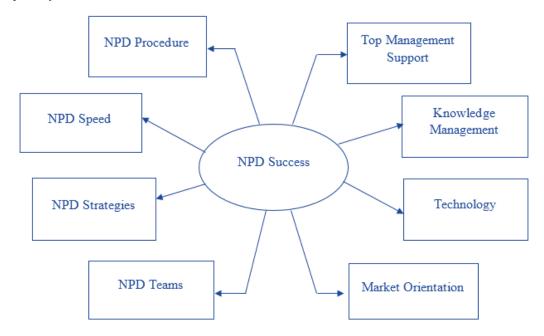


Fig. 1: The Figure Portrays Various Factors Which Contribute and Influence the New Product

Development Success

Top Management Support:

At first glimpse, this seems to be entirely out from the power of the development team. Over all, the top managers form an opinion as to whether to endorse else what not to endorse? Unfortunately, this isn't that easy. Support for top management remains vital to the progress of the projects. Without this funding, the expenditure or money are not prone to commit to the projects and will not be given the importance it deserves within the company overall. However, although the development team cannot convince management to endorse their proposals, they may cultivate a political ability to convince management to accept the best proposals. Learning to impress managers is indeed a vital skill for development teams.



Focusing heavily on campaigns without management approval is a prescription for disappointment, but winning through support would be a matter of commitment and cooperation.

Knowledge Management:

In certain organizations today, intelligence is regarded like gold as well as protected by its holders as a hidden treasure. Sadly, the existence of information silos like such renders it difficult for information to be successful. Market analysis results, for instance, can be extremely helpful to the development team, but unless they have access to information and are not safely stored under keychain throughout the marketing teams. Likewise, consumer analysis data will be of tremendous benefit to marketing staff, but yet again – just if they would access it. Knowledge management frameworks would usually be outside the expertise of the development team. Nevertheless, there is little to preclude the development team from lobbying for transparent information management systems or, perhaps, from convincing senior management should support those structures.

Technology:

The technologies used to manufacture and distribute the commodity must be appropriate for the industry. Although it is probable that the development team will have the last say on technological budgets or appropriations, it is probable that they'll be capable of controlling the production teams regarding their decision of technologies. It is obvious that, for instance, multi-million dollars hardware and software demands will render a commodity unavailable to the general market, yet it might not be an insurmountable barrier to Govt. or business markets. Technology needs to be selected with end-users within mind.

Market Orientation:

Investopedia describes the business orientation as obeys: "Market orientation remains a company philosophy centered on understanding and serving the needs as well as wishes of its consumers via its products mix." It would seem fair to say that if a development team doesn't have ownership of the organization philosophy, it must be in a strong position to affect it. Conducting consumer testing and, where applicable, business research – two fundamentals for creating higher-quality user experience; would make it easier to recognize and satisfy customer/user demands.

New Product Development Procedures:

Clear procedures including development and installation are important. Although this can be adapted to suit particular conditions – a working approach that is well established and decided upon by all representatives of the Products Creation Team is able to give greater outcomes than those produced without a structured procedure. The development team will usually have considerable insight into these systems and would be ready to bargain improvements to the procedures whenever they fail to deliver best outcomes.



There is no influence for the development team on how other departments conduct these procedures. Failure to deliver, from other departments, is among the few cases where it would be reasonable to assume the failure occurred entirely beyond the reach of the development team.

New Product Development Speed:

Marketing speed is indeed a crucial element in performance. If the latest product creation procedure comprises 5 years, yet the rival requires 2 years – it's possible that no way how successful the prototypes are, they'll be overshadowed by the period they need to go to marketplace. Streamlining the development process to improve speed while protecting user interface is a careful balancing act which is completely beyond the competence of the developer. However, the pace of the production process is far less probable to be under the jurisdiction of the development teams and their potential to affect that speed can be marginal at maximum.

New Product Development Strategies:

The approach, given the fact that it is frequently misunderstood throughout management, is simple: 'an activity plan intended to accomplish a longer-term or overall goal.' The accountability for innovative product marketing plans is likely to be divided amongst design, products management with development. This ensures that the development team would have more insight into the selected tactics and would be likely to influence such procedures through their consumer testing and direct the approach and suit the demands of their customers. It is fairly safe to say how project management would usually also have final decision on creative strategy, but developers have more than enough space to bargain with product teams to ensure optimal results.

New Product Development Teams:

New product creation usually puts along teams of different people from throughout the company. It is widely argued that these dynamic teams appear to be extremely innovative and more competitive than more standardized teams. The manner team's work altogether is a key factor throughout their performance, and developers who work as members of such teams have a role to play within this. Professionalism including leadership should be shown by every members of the teams (including those without authorized leadership with management roles) and although the development team cannot assume any control over the activities of those inside the teams – they bear full accountability for their own activities.

DISCUSSION

The long-term viability of a corporation relies on its ability to effectively sell new goods. This new products with their successful production may be the backbone of a business. This new products give the company with the potential to expand and deliver positive returns. New technologies will also win new



customers and market values and then help to protect against external stresses. Developing new goods on a daily basis will theoretically meet ever-changing consumer demands and requirements.

Even so, the query that is now being posed by many businesses that are either on or wish to board the NPD trains, is just what creates the new product effective? Much study has been undertaken to try to address this issue. One of earliest research in this field has demonstrated that almost all new technologies remain market-driven. Which is why this is 1 theme that has stayed the same through the months, i.e. it's important to truly 'pay attention to the consumer' give them what they really need.

This study suggests that NPD companies must have a simple including well-communicated innovative product plan to gain success. These companies must have well-defined future product environments, alongside long-term confidence, with consistent priorities. Effective NPD organizations and teams are committed to the expression of the consumer. It is important that the company collect as many opportunities as required then that a significant percentage of them come from consumers so the organization could be within a position to produce and produce innovative new products.

A research by Jayaram throughout the USA [22] an established, industrialized country. Jayaram's larger-scale research [22] centered on 338 businesses supplying high-tech goods and became the first research of using NPD project success measures rather than organization's execution or manufacture execution metrics to determine effect of provider interaction activities. Jayaram noticed how coordination with knowledge distribution as well as the implementation of strategic networks were also the two key components of manufacturer integration that had a positive effect on NPD projects performance [22], calculated with terms of business cost, compliance efficiency, design quality including "time-to-market."

Despite our solid conclusions, analysis into supplier participation is marred by inconsistencies. This research follows the initial results of Swink et al. [35], the manufacturer participation has shortened production time (throughout study,) It is component of time-to-market) for NPD programs. However, this undermines the results of Trygg [36], Ittner with Larcker [37], which found that the NPD presence of suppliers didn't seem towards having a major positive effect on production time. In our research, supplier interaction activities would have the smallest influence on the system (E4) but also had a major positive impact.

Each trait could be evaluated in-depth and a judgment for how to incorporate the similarities in the products or services could be made. After due review, the decision can be taken either for even alongside incorporating the characteristic. Organizations frequently choose to distinguish their goods/services through increasing their emphasis within 1 or 2 of such characteristics whereas retaining the position of several characteristics. This remains often within line through Blue Oceanic Strategies Concept to Remove, Minimize,



Boost, Build (ERRC) advocated by Chan Kim as well as Mauborgne [38,39-43]. A few illustrations have been given below to explain the functional ramifications of the experimental setup.

CONCLUSION

NPD is needed for the future safety of every business, while product redevelopment or alternative ways of diversifying can satisfy short-term financial requirements. The recent product development study revealed a wide range of procedures to the topic, showing the sophistication of the procedure itself. Although much research is certainly helpful to a software maker operating in a business situation, others demonstrate a marked lack of understanding of the reality of the new product's decision-making process. Some scholars claim that what may be very expensive testing experiments, with no thought being paid to the possibility of actual gains for the organization, is the rationale set out in very fewer of the examples provided. There could be no generalized solution to the production of new technologies because the requirements of each organization in this area are special. In certain cases, literature performs its primary function by proposing new concepts and alternatives to the research challenges of each organization. The most critical criteria for the effective implementation of NPD literature in the business sense are thus a versatile procedure and an informed opinion.

REFERENCES

- [1] G. Kampis, "Creative Evolution," World Futures, 1993.
- [2] R. G. Cooper and S. J. Edgett, "Developing a product innovation and technology strategy for your business," Res. Technol. Manag., 2010.
- [3] R. G. Cooper, Winning at New Products: Accelerating the Process from Idea to Launch, 3rd Ed. 2001.
 - [4] "The new new product development game," J. Prod. Innov. Manag., 1986.
- [5] M. Cousineau, T. W. Lauer, and E. Peacock, "Supplier source integration in a large manufacturing company," Supply Chain Manag., 2004.
- [6] M. Song and C. A. Di Benedetto, "Supplier's involvement and success of radical new product development in new ventures," J. Oper. Manag., 2008.
- [7] J. H. Mikkola and T. Skjoett-Larsen, "Early supplier involvement: Implications for new product development outsourcing and supplier-buyer interdependence," Glob. J. Flex. Syst. Manag., 2003.
- [8] K. E. Gruner and C. Homburg, "Does customer interaction enhance new product success?," J. Bus. Res., 2000.
- [9] T. Feng, L. Sun, and Y. Zhang, "The effects of customer and supplier involvement on competitive advantage: An empirical study in China," Ind. Mark. Manag., 2010.



- [10] M. McLeay, A. Radia, and R. Thomas, "Money creation in the modern economy," Bank Engl. Q. Bull., 2014.
- [11] R. G. Cooper, S. J. Edgett, and E. J. Kleinschmidt, "Benchmarking best NPD practices III," Research Technology Management. 2004.
- [12] M. J. Liberatore and A. C. Stylianou, "Expert support systems for new product development decision making: a modeling framework and applications," Manage. Sci., 1995.
 - [13] G. Urban and J. Hauser, "Design and Marketing New Products," Prentice Hall, 1993.
- [14] S. L. Hart, "A natural-resource-based view of the firm," in Corporate Environmental Responsibility, 2017.
- [15] A. Ansari and B. Modarress, "Quality Function Deployment: The Role of Suppliers," Int. J. Purch. Mater. Manag., 1994.
- [16] F. Zirpoli and M. Caputo, "The nature of buyer-supplier relationships in co-design activities: The Italian auto industry case," Int. J. Oper. Prod. Manag., 2002.
- [17] S. Fliess and U. Becker, "Supplier integration Controlling of co-development processes," Ind. Mark. Manag., 2006.
 - [18] R. S. Achrol and P. Kotler, "Marketing in the network economy," J. Mark., 1999.
 - [19] K. T. Ulrich and S. D. Eppinger, Product Design and Development: Fifth Edition. 2012.
- [20] J. Beckley, D. Paredes, and K. Lopetcharats, Product Innovation Toolbox: A Field Guide to Consumer Understanding and Research. 2012.
- [21] A. Prencipe, "Technological competencies and product's evolutionary dynamics a case study from the aero-engine industry," Res. Policy, 1997.
- [22] J. Jayaram, "Supplier involvement in new product development projects: Dimensionality and contingency effects," Int. J. Prod. Res., 2008.
- [23] D. B. Parker, G. A. Zsidisin, and G. L. Ragatz, "Timing and extent of supplier integration in new product development: A contingency approach," J. Supply Chain Manag., 2008.
- [24] S. Nazli Wasti and J. K. Liker, "Collaborating with suppliers in product development: A U.S. and Japan comparative study," IEEE Trans. Eng. Manag., 1999.
- [25] R. B. Handfield and B. Lawson, "Integrating suppliers into new product development," Research Technology Management. 2007.
- [26] M. A. McGinnis and R. M. Vallopra, "Purchasing and supplier involvement: Issues and insights regarding new product success," J. Supply Chain Manag., 1999.
 - [27] F. E. A. Van Echtelt, F. Wynstra, A. J. Van Weele, and G. Duysters, "Managing supplier



involvement in new product development: A multiple-case study," J. Prod. Innov. Manag., 2008.

- [28] S. Pike and C. R. Ryan, "Dimensions of short break destination attractiveness: a comparison of cognitive, affective and conative perceptions," South. Cross Univ., 2003.
- [29] G. A. Kelly, "Personal construct theory and the psychotherapeutic interview," Cognit. Ther. Res., 1977.
- [30] J. Blijlevens, M. E. H. Creusen, and J. P. L. Schoormans, "How consumers perceive product appearance: The identification of three product appearance attributes," Int. J. Des., 2009.
- [31] M. I. Alpert, "Identification of Determinant Attributes: A Comparison of Methods," J. Mark. Res., 1971.
- [32] S. Tsafarakis, E. Grigoroudis, and N. Matsatsinis, "Consumer choice behaviour and new product development: An integrated market simulation approach," J. Oper. Res. Soc., 2011.
- [33] I. D. FOUNDATION, "An Overview of The Factors of Success for New Product Development," 2021.
- [34] F. J. M. González and T. M. B. Palacios, "The effect of new product development technique on new product success in Spanish firms," Ind. Mark. Manag., 2002.
- [35] M. L. Swink, J. C. Sandvig, and V. A. Mabert, "Customizing concurrent engineering processes: Five case studies," J. Prod. Innov. Manag., 1996.
- [36] L. Trygg, "Concurrent engineering practices in selected Swedish companies: A movement or an activity of the few?," J. Prod. Innov. Manag., 1993.
- [37] C. D. Ittner and D. F. Larcker, "Product development cycle time and organizational performance," J. Mark. Res., 1997.
- [38] W. C. Kim and R. Mauborgne, "Value innovation: A leap into the blue ocean," Journal of Business Strategy. 2005.



IMCRA - International Meetings and Conferences Research Association

www.imcra-az.org; E-mail (Submission & Contact): editor@imcra-az.org

"Science, Education and Innovations in the context of modern problems" Journal

ISSN (pe): 2790-0169 / 2790-0177

DOI- 10.56334/sei/8.3.54





© 2025 The Author(s). This open access article is distributed under a Creative Commons Attribution (CC-BY) 4.0 license

Share—copy and redistribute the material in any medium or format. Adapt — remix, transform, and build upon the material for any purpose, even commercially. The licensor cannot revoke these freedoms as long as you follow the license terms.

Under the following terms:

Attribution — you must give appropriate credit, provide a link to the license, and indicate if changes were made. You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use. No additional restrictions

You may not apply legal terms or technological measures that legally restrict others

