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Turkish Online Journal of Qualitative Inquiry (TOJQI) Volume 12, Issue 5, May 2021: 2100-2112

Building Employee Resilience through e-Training: A Case study of National Hydroelectric Power Corporation's Unit

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Abstract

Organizations have been experiencing VUCA situations due to swift technological changes, business competitions, and the COVID-19 pandemic and now its second wave. In order to thrive in these situations, organizations ought to prepare their workforce ready with enhanced resilience. Resilience is the capability of employees to recover quickly from a disruption situations, bounce-back ability and flexibility shown by the employees with their enhanced capabilities and desired work behavior. In order to build resilience and desired work behavior in employees, organizations ought to train their employees. The latest management tool to train the employees by adapting to electronic training method in disruption situations. This paper analyzed e-Training adapted in one of the power plants of National Hydroelectric Power Corporation located in Chamba region Himachal Pradesh. Through a case based approach, information was collected from organizations. The results showed a positive effect upon the employees participating in the various e-Training programs, trainees imbibed desired work behavior and enhanced resiliency. This study showed that the learning through e-Training method is more flexible and cost-effective in contemporary business situations.

Keywords: COVID-19, e-Training, Human Resource Development, Resilience, VUCA

1. Introduction

Volatility, Uncertainty, Complexity, Ambiguity (VUCA) situations arise due to continuous technological changes, advancements and pandemics in the society. VUCA situation shows the unpredictable nature of the world like the situation of COVID 19 pandemic and its second wave in which we are in right now. The employees need to prepare themselves with enhanced resiliency to adapt to latest technology and to face pandemic and disruption situations. This is possible only when they are well trained with the support of organizations.

Electronic Training (e-Training) is digitalized method to impart training on technical knowhow, skills and attitudes & behavioral modification; thereby enhance the employees' existing knowledge and flexibility levels for accomplishing targets successfully. With this employees will adapt to socio-economic and technical changes, new advancements and give their best for organization's growth and survival. It also contributes in greening organization. The e-Training is a modern approach to impart training to employees using the internet technology.

HRD through various e-Training programs develops the workforces' functional, technical, soft skills and

desired behavior to face the challenges. When employees face difficulties and overcome with knowledge and flexibility along with team spirit, the relationships among employees after achieving success will be very much stronger than before (Bardoel et al., 2014). The e-Training is online training method to increase the technical capabilities and enhanced values of human resources. The impact of e-Training is quite effective when employees participate in training programs wholeheartedly with empowered spirit. The e-Training plays a vital role to cope with the turbulence situations by the competitive spirit and high employee morale in employees.

The word 'Resilience' was originally used in Werner's work with Hawaiian children, who were orphaned and most of the time they were hungry. In his study he revealed that children who survived are with positive attitudes. According to authors, to acquire resiliency in oneself, one needs to change the adverse situations with positive attitude. In order to develop through facing challenges and adversity, one should possess the quality of resiliency. Resilience can be observed in accordance with existing situation and role of human beings, their family members and society where they live and organizations where they work. The process of adapting suitably in the face of adversity, shock, disaster, pressures or significant sources of stress - such as family problems, serious health problems or workplace and financial stressors (The American Psychological Association, 2017).

Resilience is the capacity to recover quickly from difficulties, bounce-backability and flexibility. Learning the art of becoming resilient at enhanced levels will provide the success to any business entity (Sharma&Sharma,2020). Resiliency in employees indicates the quality and their capability to deal with turbulences and overcome successfully (Jackson et al., 2007). The employees' resilience is the employees' competencies acquired through organization's financial support with which employees continuously adapt and develop at work through training, even during disruptions and challenging circumstances (Nguyen et al., 2016).

1.1 National Hydroelectric Power Corporation Limited

(NHPC Limited) is a largest Hydroelectric Power Corporation in India, with capabilities to undertake all the activities from conceptualization to commissioning in relation to setting up of hydroelectric power projects. NHPC Limited has also diversified in the fields of Solar & Wind power. NHPC Limited presently has an installation base of 7071.2 MW from 24 power stations, 5774 MW (6 projects are under construction stage), 10382 MW (16 Projects are under clearance stage), 1628MW (4 projects are in Survey & Investigation stage).

Hydroelectric Power Stations extracts the energy of falling water to generate power. The major components of a Hydroelectric Power Stations are Dam/Barrage, Headrace tunnels/channels, Penstock, Underground and surface power house, Tailrace channel or tailrace tunnel. The sizes of Hydroelectric Power Stations with installed capacity up to 100 KW (Micro), up to 101KW to 2 MW (Mini), from 2 MW up to 25 MW (Small) and >25 MW(Major). Machinery used in Hydroelectric Power Stations: Turbines – Pelton/Francis/Kaplan-make & Propeller, Tubular and Generators & Synchronous Generators, Turbine Governing System, Excitation System & Control/SCADA operating system; Switch Gear System, Gas Insulated Switchgear to connect/disconnect with Grids.

Hydroelectric Power Stations are located very far off places, hilly areas and very hard locations, where weather conditions are adverse and extreme. Travelling in peak winter period is not at all possible from the locations. In order to acquire training, physically they have to travel a long distances, thereby causing vehicular pollution, creates adverse impact on environment. In Hydroelectric Power Stations technical staff required to operate Power Stations in Executive Cadres: Engineers in Technical and high ranks with Civil/Mechanical/Electrical/Electronics & Communications/IT background and in Executives in non-technical Cadres: Geology, Geophysics, HR, Doctors(MBBS), Safety, Environment, Finance, Accounts, Law, PR and in Non-Executive Cadres (technical/non- technical): Surveyors, Electrician, Fitter, Machinist, Crane Operator, Gate Operator, Rigger, Welder, Grind-man, DG Operator, Fireman, Mechanic, etc. The technical/non-technical workforces are assets for Hydroelectric Power Stations; they work in shift system round-the-clock and their presence is very much required. In order to make this possible without sending them on very long distances for training programs, it is very much required and convenient to have training through e-Training method at their work places, which is very much convenient and advantageous. In the past manual mode was used to operate Hydroelectric Power Stations and at present, the machines are operated on semi-auto mode & auto mode through software programs & SCADA. The training through electronic mode is required for the workforces on functional, technical - machinery up-gradations, Turbine Governing System, Rotor, Generators, Excitation System, to run and stop units as per power requirement & Control/SCADA operating system, etc. and on General Safety, Electricity Safety & Basic Fire Safety, yoga, health and lifestyle, etc.

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2. Literature Review

Apart from technological interventions, pandemics and natural disasters are making severe impact on business world. To stop spreading COVID-19, Governments across the globe promoted precautionary measures like social distancing, quarantine, work from home, and lockdowns in-country (Mustafa, 2020). COVID-19 was declared as pandemic in March, 2020 by World Health Organization (Kotian et.al, 2020). The battle against COVID-19pandemic second wave is going on now and has become a challenge in India. To prepare employees as knowledgeable and resilient employees to face unpredictable VUCA situations, organizations need to train by adapting traditional or e-Training methods, whichever suitable. But, present times clearly indicate traditional methods not at all feasible. In the prevailing circumstances, to economize organization's funds and for easier method, wherever employee stays in office/home, he/she can easily attend to e-Training through virtual webinars on Zoom, Google-meet, etc., through his/her laptop, desktop computer or else smart-phone.

The employees love learning and the process of learning and exhibits enthusiasm in acquiring new knowledge. They express satisfaction for learning, which can only makes the employees as expertise. All these result in becoming employees as efficient and effective (Bereiter and Scardamalia, 1992; Stolovitch and Keeps, 1992). Learning at work means acquiring knowledge from scheduled training programs attended by employees; and learning in work means observing, questioning while working in organization, solving problems, motivating, guiding, and working in teams by them. The opportunity, which is available for learning outside the organization, is known as learning outside work (Sambrook, 2005). A learning organization has emerged with futuristic need to develop human competence that can help an organization to thrive and survive in VUCA situations. The organizational leaders must create an environment, which supports the employees to enhance their inner abilities and employees' welfare measures. This can ultimately lead to team spirit and flexibility through which they can easily bounce back from impacts due to VUCA (Tonkin et al., 2018).

Every organization has to make its workforce resilient in order to face VUCA situations and to overcome the situation successfully. When the workforce exhibits resiliency during VUCA definitely achieves success (King et al., 2015). Keeping records of flexibilities shown by employees both inside and outside of organisation in VUCA times helps to know adaptability levels of employees and to know individual, organizational and societal factors that distinguish workforce who demonstrate resilience and other desired qualities to adapt to changes (Britt et al., 2016). The organizations, those focusing on enhancing knowledge and flexibility indicates that they are preparing employees to handle uncertainty more successfully by adapting to change speedily and managing stress more effectively(Britt et al., 2016).

In NHPC's selected power plant in Chamba region, Himachal Pradesh, HRD personnel played very important role in conducting various e-Training programs on functional/technical, behavioral and leadership development. HRD has organized virtual training programs on yoga, health and lifestyle programs in accordance with the changing scenario to enable organizations to keep ready their workforce with enhanced resilience and competitiveness tothrive in VUCA situations due to technological changes and pandemics.

The competitiveness of employees will be determined as per human resources' flexibility, adaptability, imbibing the knowledge through training and to scan environment and competition in the market (Festing and Eidems, 2011). One of the main purposes of imparting training programs for employees is to enhance flexibilities of employees at individual levels to develop their inner abilities and for organizational excellence and survival. Organizations need to prepare and get their workforce ever-ready with enhanced knowledge, flexibility and competency by imparting suitable training to cope with the changing environment and contribute for the organizational efficiency (Rao, 2013). Providing training to workforce is an important issue for any organisation as it increases employees' inner abilities, performance levels and effectiveness for achieving organisation's goals, productivity and development; organisations need to have suitable training policy to provide training to its employees for increasing their skills (Ameen & Baharom, 2019).

The strong relationship exists between training and development; to achieve the targets, organizations need to keep on allocating budget for imparting training accordingly (Sudhakar & Basariya, 2017). Imparting training to employees results in skills development, facilitates adaptability to change and establish new norms by building 'technical skills', 'positive mindset', 'alignment with objectives of change' & 'support of leaders influencing workforce'. (Maheshwari & Vohra, 2018). The training is positively related to employees' performance & competitive spirit. In order to build a rightful and logical mechanism, it is needed to select the right employees for right training programs and accordingly management should evaluate performance of workforce after imparting training (Padmasiri et al., 2018). Balanced and committed workforce in organization is possible through by effective training programs (Owoyemi et al., 2011).

One of the main purposes of imparting e-training programs for employees is to increase flexibilities of employees at individual levels to develop their inner abilities and for organizational excellence and survival.

Digital technologies are vital for mixed training methods and where organizations are located in different geographical areas and for enhancing human resource development (Gegenfurtner *et al.*, 2020; Thalhammer, 2014).

Resilience is a "common phenomenon arising from ordinary human adaptive processes" (Masten, 2001). Resilience is the process of positive adaptation with respect to turbulent situations of routine stressors and common life changes (Gillham et al., 2013). Southwick et al.(2014) proposed that "resilience is not only bouncing back from adverse situations, but also moving forward with dedicated team work by keeping in mind learning aspect from experiences of adverse situations faced". Na swall et al., (2013); Nguyen et al., (2016) defined resilience in employees as "employee capability, facilitated and supported by the organization, to utilize resources to continually adapt and flourish at work, even when faced with challenging circumstances". During turbulence situations due to rapid technological changes, employees having resiliency shows positive thinking (Cooper et al., 2013) and positive attitude (Youssef & Luthans, 2007). The workforce who imbibes resiliency, quickly bounce-back from failures than non-resilient workforce and are more adaptive and responsive to organizational changes. The workforce with resiliency exhibits positive attitude, adaptive and responsible nature to organizational changes and its survival (Shin et al., 2012), it will surely contribute in achieving the success to any firm (Sharma & Sharma, 2020). The employees' resiliency of every firm needs to be studied and enhanced for survival in the VUCA (Robertson et al., 2015). The resiliency indicates ability to face and thrive in turbulent situations, adjust according to situation with resiliency and scan the environment/anticipate (Gligor et.al, 2019). Resiliency can be measured through group learning, content learning, group-cohesiveness, communication with group(s) and exchange of ideas, group composition, target design, group norms, efficacy of individual group members and perceived efficiency for collective group action (Sharma & Sharma, 2020). The affects of resilience levels are based on participants educational background, age and gender (Wang et al., 2013). Creating individual and organizational resilience is very important and employees' well-being is important for their motivation and to get success in turbulence times(Williams & Shepherd, 2016). Organizations engage right manpower and gets best out of them and achieving success during difficult times. Generally some people pass through difficulties very easily, but some feel very difficult due to not having positive attitudes. The team spirit is very important to counter turbulence situations. The idea of employee/team resilience starts to emerge while countering turbulent situations. Employees are very important human resource assets for any organization for survival of organization. Resilient employees imbibed with positive attitudes show flexible nature in their real life and sociable nature. The measuring of resilience is to know employee's behaviour and to know organisational enabling strength (Nguyen et al., 2016). The resiliency at individual level and organizational level are reciprocally related.

3. Research Methodology: Positivity. Cross sectional survey.

Data collected through telephonic conversations/personal observation with 140 participants those who have attended e-Training programs during the last financial year on various subjects, viz., technical, functional, behavioral and leadership development, yoga, health and lifestyle. To conduct the study secondary data was collected from the National Hydro Power Corporation's Chamba Unit of Himachal Pradesh. The e-Training programs conducted from April,2020 to March,2021 at one of Unit (Total manpower:590 (210 (Executives/Non-Executives-regular) & 380 (contractors' workforce) in the Chamba region Himachal Pradesh (see Table 1).

4. Objectives of the Study

To know enhanced employee resilience to thrive in COVID-19 pandemic second wave and adaptability to technological changes smoothly in VUCA world through development of resilience in employees. We intended this study to improve understanding of workforce resilience enhancement by e-Training programs, motivation by team leaders and teamwork. The learning intervention (e-Training) to imbibe resiliency in employees was the independent variable and the resilience was the dependent variable.

• To analyze Resilience of workforce through e-Training method during VUCA and in COVID-19 pandemic

• - disruptive situation in NHPC's Unit located in Chamba region, Himachal Pradesh. To study the e-Training areas during VUCA and COVID-19 pandemic in the NHPC's Unit located in Chamba region, Himachal Pradesh.

• To analyze the conceptual relationship between e-Training methods and resilience of workforce in NHPC'sunit located in Chamba region, Himachal Pradesh.

5. Results:

Conceptual Framework

When employees enter into organization, they possess low levels of resilience (see Figure 1) when they face any VUCA situation, situation becomes bigger than their capabilities. But, when the employees imbibe with enhanced resilience through various e-Trainings on personality development (HRD) programs; motivated with social security schemes, incentives, rewards etc. by organization and empowered by team leaders for enhancing creativity, sense of humor and emotional intelligence in work and recognition for their efforts and achievement and with team cohesiveness they can easily face and thrive in VUCA.



Figure.1. Employees' resiliency at the time of joining organization with their pre-traditional beliefs, attitudes, behavior (VUCAsituation powerful than Employees' strength)

The key to survival in the ever changing business world is 'constant renewal' by way of updating human resource assets by imparting technical knowhow to enhance their technical skills and modify agility and resiliency through training/e-Training methods to adapt to technological changes & advancements to get compatible in the times of changing organizational environment and demands of the customers. Through e-Training programs, employees' technical skills and soft skills - positive attitude, enabling social security, emotional intelligence, sense of humour team work and employees' confidence levels, adaptability to changes and flexibilities, etc. enhances. The same qualities contribute for the success of the organization during disruption situations. Employees are assets of the organization they face challenges and survive organization during crisis situations. Contribute with team work and enhanced resilience levels in bouncing back to the pre/safe position. The various dimensions of resilience on which organization needs to focus and impart e-Training to excel resilience in employees from time to time to thrive in VUCA situations successfully with confidence levels (see Figure2).



Figure 2.Required qualities to enhance resiliency in employees through e-Training to thrive in VUCA situations

Through e-Training method when employees learn by attending various training programs on technical, 2104

functional, behavioural & leadership, yoga, health and lifestyle, safety, etc. their resilience levels enhances and they become capable to face and thrive VUCA situations successfully with confidence (see Figure 3)



Figure 3.Personality Development programs (HRD) including Motivation and Teamwork imparted to employees through e-Training to enhance resiliency.

Table 1.e-Training (Webinars/ Workshops/ Conferences) details of NHPC's Unit Chamba Region,
Himachal Pradesh(From April, 2020 to March, 2021)

No.	Executi	Area of	Theme of e-Training	Duration	Faculty
of	ves/ Non-	participati		(Days)	
Particip ants	Executives	on			
8	Executiv es/ Non- Executives	Health	On COVID-19 pandemic for NHPC Doctors & Paramedical Staff	10-15 April'20 (5 days)	PHFI, Delhi
4	Executiv e	Hydro Power/ Technical	Concept of Commissioning of Hydropower Projects	16 June-6 Aug'20 (16 days)	Internal faculty from Corporate Office (C.O.)/BHEL
1	Executiv e	Functio nal/ Knowledge	The Rising New World Order	21 Aug'20 (1 day)	Bonheur, Delhi
1	Executiv e	Solar Power/ Technical	Solar Power Emerging Technology and O&M Issues of SolarPower Plants	21-25 Sep'20 (5 days)	IIT, Roorkee
2	Executiv es	Technic al	Distributed Control System, Instrumentation, SCADA Systems and Communications Network	28-30 Sep'20 (3 days)	Internal faculty from C.O, Faridabad
2	Executiv es	Hydro Power/ Technical	Energy Security Conference 2020	29-30 Sep'20 (2 days)	GCTC, Delhi
4	Executiv es/ Non- Executives	Health	Fighting COVID-19 (and other viruses)	01-04 & 07-10 Oct'20 (8 Days)	YMVT, HP
1	Executiv	Renewa ble Energy/	Pump Storage-Design, Operation & Integration with	5-9	IIT, Roorkee

	es	Technical	Renewable Energy	Oct'20	
				(5 days)	
				12-13	OHSAS &
2	Executiv	Health/	Basic Life Support & First Aid	Oct'20	IMS, Delhi
	es	Safety	Training Under OHSAS & IMS	(2 days)	
7	Executiv	Functio	Assessment of Competency	Between	Internal
	es/ Non-	nal/HR		13-30 Oct'20	faculty from C.O,
	Executives			(6 days)	Fandadad
3	Executiv	Hydro	Small Hydro Power Projects-	19-	IIT, Roorkee
	es/ Non- Executives	Power/ Technical	Cost Effective Implementation	21Oct'20	
	LACCULIVES	reenneur		(3 days)	
7	Executiv	Technic	Testing Of Generators,	19-	CPRI,
	es/ Non- Executives	al	Transformers, Reactors, Hv Cables, Switchvard Equipment.	23Oct 20	Bengaluru
			Transformer	(5 Days)	
	Executiv			21	
1	es / Non- Executives	IT/	Cyber Security –Advance level	Oct'20	Internal
	LACCULIVES	Technical	session	(1 Day)	faculty from C.O,
					Faridadad
3	Executiv es/ Non-	TT/ Technical	Cyber Security for Hydro Power Plants	27-28 Oct'20	CPRI, Bengaluru
	Executives			(2 Davs)	2 ongurur u
25	Executiv	Voga &	Inner Engineering and Mind	(2 Days)	VMVTHD
23	es/ Non-	Health	Balance	Nov'20	
	Executives			(4 Days)	
2	Executiv	Technic	GIS & Outdoor Switchyard	24-26	Internal
	es	al	Equipment-Layout, Maintenance	Nov'20	faculty from C.O,
			and troubleshooting	(3 days)	Faridadad
1	Executiv	Knowle	Breaking the Ceiling	24-27	Internal
	es	dge		Nov'20	faculty from C.O Faridabad
				(4 days)	i undubud
				02-04	All India
	Executiv	HR/			Association, New
2	es	Industrial Relations	Labour Laws Executives	(3 Days)	Delhi
		rterutions	Should Know		
1	Executiv	Behavi	Empowerment & Leadership	01- 04Dec ² 20	Internal
	es	Functional	for women	04Dec 20	Faridabad
				(4 Days)	
2	Executiv	Solar Power/	Solar Power-Emerging	07-11 Dec'20	IIT, Roorkee
	00	Technical	Solar Power Plants	$(5 \mathbf{D}_{-1})$	
				(5 Days)	
4	Executiv es	Electric	Renovation & Modernization of Power Plants (Technical	14-16 Dec'20	IIT, Roorkee

		Technical	Challenges, Regulation Of CEA / CERC etc.)	(3 Days)	
7	Non- Executives	Social Security/ HR	Changing Face of Retirement	14,21,22 Dec'20 (3 Days)	Internal faculty from C.O Faridabad
1	Executiv es	Behavi oral/ Functional	Creativity, Problem Solving & Decision Making	16-18 & 23-24 Dec'20 (5 Days)	Internal faculty from C.O Faridabad
2	Executiv es	IT/ Technical	Windows Server Active Directory	21-23 Dec'20 (3 Days)	Internal faculty from C.O Faridabad
1	Executiv es	Hydro Power/ Technical	Safety and Operational Risk for Hydraulic Structures at Hydro Power Stations	28-30 Dec'20 (3 Days)	IIT, Roorkee
1	Executiv es	Functio nal	Preventive Vigilance Management	6-8 Jan'21 (3 days)	Internal faculty from C.O Faridabad
1	Executiv es	Financi al/ Functional	Corporate Governance: Corporate Laws, SEBI Guidelines, Listing Obligations and Insider Trading Codes	6-8 Jan'21 (3 Days)	Institute of Chartered Accountants of India
1	Executiv es	Financi al/ Managerial	Business Analytics	19-22 Jan'21 (4 Days)	Internal faculty from C.O Faridabad
1	Executiv es	Functio nal/ Managerial	HRM for Line Managers	25-29 Jan'21 (4 Days)	Internal faculty from C.O Faridabad
2	Executiv es/ Non- Executives	Hydro Power/ Technical	Testing of Generators, Transformers, Reactors, HV Cables, Switchyard Equipment, Transformer Oil and Testing Equipment	1-5 Feb'21 (5 Days)	CPRI, Bengaluru
1	Executiv es	IT/ Technical	Visual Studio 2015- VB.Net &C#	1-6 Feb'21 (6 Days)	Internal faculty from C.O Faridabad
1	Executiv es	Legal/ Functional	Right to Information	2-4 Feb'21 (3 Days)	Internal faculty from C.O Faridabad
1	Executiv es	Functio nal	HR Analytics	2-5 Feb'21 (4 Days)	Internal faculty from C.O Faridabad
1	Executiv es	IT/ Technical	Hadoop Big Data	8-13 Feb'21	Internal faculty from C.O

				(6 days)	
40	Executiv es/ Non- Executives	Technic al/ Functional	General Safety Awareness, Electrical Safety & Basic Fire Safety	10-12 Feb'21 (3 days)	CBIP, New Delhi
3	Executiv es	IT/ Technical	Cyber Security for Hydro Power Plants	11-12 Feb'21 (2 Days)	CPRI, Bengaluru
15	Executiv es	Technic al/ Functional	IMS Internal Auditor Training	15-16' Feb'21 (2 Days)	IMS Agencies, Various locations of India
40	Executiv es/ Non- Executives	Health & Lifestyle	Handling Medical Emergency	17-19 Feb'21 (3 days)	Souls Guard, Delhi
65	Executiv es/ Non- Executives	Health & Lifestyle	 Happiness through Rajyoga Stress Management 	18 Feb'21 (1day)	Rajayoga Education & Research Foundation
1	Executiv es	Health	Environmental and Occupational Health for Health Professional	22-26 Feb'21 (5 days)	NIHFW, Delhi

1	Executiv es	Lifestyl e	Design Thinking	23-26 Feb'21 (4 Days)	Internal faculty from C.O Faridabad
1	Executiv es	Functio nal	Visioning the Future	22-26 Feb'21 (5 days)	ManushoUtha n
3	Non- Executives	Health/ Yoga	Inner Engineering & Mind Balance	24-27 Feb'21 (4 days)	YMVTHP
6	Executiv es	Technic al	Sustainable Development of Dams & River Basins & APG Symposium	24-27 Feb'21 (4 days)	ICOLD CBIP 2020, New Delhi
1	Executiv es/ Non- Executives	Health	Handling Medical Emergency (Batch-I)	25-26 Feb'21 (2 Days)	OHSAS & IMS Delhi
1	Executiv es	Functio nal	Domestic & International Finance	2-3 March'21 (2 days)	Internal faculty from C.O

65	Executiv es/ Non- Executives	Functio nal	Enhancing procurement through GeM Portal	3 March'21 (1day)	Internal faculty from C.O
40	Women Employees/ Employee families (women)	Health	Women Health	8 March (1 day)	Internal faculty
1	Executiv	Health	Handling Medical	08-09	OHSAS &
	es/ Non- Executives		Emergency(Batch-II)	March 21	IMS
	Executives			(2 Days)	
25	Executiv	Behavio	Enhancing Interpersonal	16-18	Refinement
	es/ Non-	ral	Effectiveness	March'21	Wellness Pvt. Ltd.
	Executives			(3 Days)	
25	Executiv	Behavio	Managing Work Stress for	22-24	Professional
	es/ Non-	ral	Superior Performance	March'21	Training Academy
	Executives			(3 Days)	of India
20	Executiv	Behavio	Creativity & Innovation	26-27	UDAAN,
	es/ Non-	ral		March'21	Ghaziabad
	Executives			(2 Days)	
457			191 Training Days/@2 sessions	per day =382	sessions

Source: Compiled by author/s

Table 1 represents various e-Training programs conducted during financial year 2020-21 at one of the selected power plants of NHPC in Chamba Region, which is located very far off place and hilly areas. The employees working for Power Plant both in technical and non-technical trades have attended various e-Training programs, viz., Functional, Technical, Hydro Power/Solar Power/Wind Power/Renewable Energy, HR, HRD, Yoga, Health & Lifestyle, IT, knowledge, etc. The details of programs cited in table. Due to pandemic, traditional training method was not feasible, which is expensive. Power plant adapted e-Training method. The virtual training programs on Hydro Power, Solar Power, Renewable Energy, Cyber Security, building Leadership, Motivation, Knowledge, Yoga, Health & on COVID-19 pandemic, HRD, communication, performance, Work Life Balance, Happiness through Yoga, Stress Management, etc., have surely enhanced knowledge and resilience levels of all the employees across power plant. Senior Management, Management, Executives/Non-Executives both in technical and non-technical trades and women employees benefited by attending virtual training programs and families of employees attended programs on Women Health, Yoga, Lifestyle Management and got tremendous benefits especially during COVID-19 pandemic times.

In all it is observed that enhancement of determination, vision, interaction, relationships, organizing, selfconfidence, proactiveness, etc. and soft skills like social inter-personal skills, flexibility, empathy, positive attitudes, responsibility, initiative taking, team work have tremendously improved in employees. It is also observed that the resilience levels enhanced are based on employee's educational backgrounds, experience levels, age and gender as well. With enhanced resilience employees are quite ready to face any challenges. They have shown positive approach treating the problem as opportunity instead of threat. With this attitude employees have easily thriving in COVID-19 pandemic and adapting to latest technology/change. By building resilience in employees through virtual trainings, e-workshops, e-conferences, etc. through various modes like Webinars, Google-meet, Zoom, etc., organization has successfully thriving unpredicted VUCA situations and running Power Stations successfully without any hindrance and providing continuous power supply to the nation uninterruptedly.

6. Discussion

In total 457 employees of NHPC's selected power plant in Chamba region Himachal Pradesh were undergone e-Training programs during the Financial Year 2020-21. The e-Training programs were organized for Executives/ Non-executives in technical and non-technical branches. In total 52 e-Training programs were organized in 382 different sessions (Table 1).

Since lockdown period, Training & HRD Divisions of Power Plants located in Chamba region, Himachal Pradesh have conducted various short term e-training programs, webinars, e-workshops/conferences through electronic method. HRD personnel played an important role in nominating, motivating employees for optimum participation, communicated employees to encourage family members to participate in Yoga, Health & Lifestyle programs arranged for them. Employees who were working in offices and working from their homes participated in great number. The participants of e-Training programs on functional/technical, behavioral and leadership development, yoga, health and lifestyle were benefitted a lot and enhanced their present levels of technical/soft skills, knowledge and competency and to keep fit physically and mentally during VUCA and pandemic. The Hydroelectric Power Plants have fully utilized the opportunity of e-Training programs from their Head Quarters and various other locations. The sessions during webinars were successful with the professional calibers and talents of trainers; they have very well trained employees of all the Units during pandemic disruption situations.

HRD with the coordination of Information Technology division has conducted these programs in effective manner. All the senior and middle level executives including technical and non-technical workforce of hydroelectric power unit and their family members expressed gratitude for providing such wonderful opportunity to participate in the e- Training programs. These programs resulted in employees' enhanced resiliency, technical and soft skills and tips to keep fit mentally and physically during pandemic. Certainly one of the important things to learn from pandemic disruptive situations is that grabbing the opportunity to learn knowledge, to keep fit health and gained enhanced resiliency through e-Training method.

e-Training is very much useful when trainees are dispersedly located and far off places from cities. The main advantage of e-Training activities are (i) it can be carried out with minimum costs, (ii) it can save time and (iii) to create Green organization and society (pollution-free environment).

In all after attending e-Training programs employees have shown positive approach to adapt latest technology with their enhanced technical/soft skills, desired behavioral changes and resilience and team work contributed to handle the pandemic disruption situations and VUCA with confidence. When workforce teams reach enhanced levels of resiliency, employees treat the VUCA situation as an opportunity and they smoothly adapt to technological changes and thrive in disruption situations. The e-Training programs are beneficial for all the organizations for cost reduction, to keep update knowledge of employees and enhanced resiliency to thrive in VUCA times.

Overall study reveals that resilience levels built in employees across the Power Plant, who has been provided with e-Trainings on various topics. They have shown enhanced resilience and with updated knowledge they are willing to smoothly adapt to latest technology or changes.

7. Limitation & Implication of Study:

• The research done in Hydroelectric Power Plant located in Chamba region, Himachal Pradesh.

• There is a limited research on enhancing employees' resiliency through e-Training method contributes for organizational excellence.

• The present study also reveals that if workforce motivated by team leaders and team work, workforce exhibit enhanced levels of resiliency and they smoothly adapt to technological changes during VUCA times.

8. Conclusion

This study would contribute to the detailed understanding of employees' resiliency through e-Training method on various programs on functional, technical, developing leadership, including motivation by team leaders and team work to thrive in VUCA situations, where the existing research is limited. Further this study provides interesting insight how developed resiliency in workforce contribute to adapt latest technology and thrive in VUCA situations, when they were empowered with social security, incentives, rewards for creative ideas in work and with strengthened team spirit and positive approach.

The e-Training method is beneficial in imparting technical skills, knowledge, desired organizational behavior in employees, to enhance knowledge & resiliency, which makes employees to adapt to technological changes

and update of skills to run valuable machinery successfully.

Human Resource Development through organizing e-Training programs on various subjects including technical and soft skills, organizational behavior, etc. thereby organizations smoothly able to thrive VUCA situations. The study contributed to a broader understanding how enhancement of resiliency by imbibing positive attitudes by workforces and their team work achieves success for the organizations, wherein the present research is limited. Further, the study also provided interesting insight how team's performance enhances through enhanced resilience.

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